Quesť

Metalogix[®] Diagnostic Manager 5.0

User Guide



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Welcome to Metalogix Diagnostic Manager

Metalogix Diagnostic Manager is a powerful and intuitive monitoring solution that primarily helps administrators ensure the health of their SharePoint environment and the performance of their SharePoint applications. It saves time and money by dramatically reducing administrative overhead for IT and ensuring SharePoint business user productivity. Administrators can also use Metalogix Diagnostic Manager to monitor servers, client machines, and Web pages not associated with a SharePoint environment.

Metalogix Diagnostic Manager provides real time monitoring from a single console, enabling you to quickly identify, diagnose, and resolve performance and availability problems. It also provides critical information for capacity planning by storing historical performance data of all the monitored servers. It monitors in real time, providing a comprehensive set of metrics that enable administrators to quickly pinpoint performance and availability issues related to server performance, resource usage and poorly performing HTML controls, solutions and Web controls.

Key features include the following:

- Continuous, automated monitoring from a central console.
- Intuitive dashboard user interface for an "at-a-glance" view of SharePoint and server health.
- Page component level performance analysis.
- Summary and detail performance metrics.
- Automated alerting of poorly performing pages, controls and server performance issues.
- Repository of historical performance for trending and analysis.
- Comprehensive reporting.
- Centralized SharePoint Unified Logging System (ULS) logging for all SharePoint servers in the farm.

How does Metalogix Diagnostic Manager help me?

Metalogix Diagnostic Manager lets you monitor and analyze your Microsoft SharePoint farms, servers, ULS logs, and pages. The ways in which Metalogix Diagnostic Manager can facilitate a number of tasks is described in the following table.

Task	How
Offers easy installation and use.	Installs quickly, enabling immediate performance access to any page. A typical installation takes less than 30 minutes. Additionally, the easy-to-use UI makes it very easy to identify all performance issues on a single page.
Solve SharePoint performance problems even when SharePoint is not available.	Because Metalogix Diagnostic Manager runs outside of SharePoint, you have access to historical data, alerts issued, up to the minute performance information, and much more for all SharePoint servers in your farm. Metalogix Diagnostic Manager helps eliminate the risk of spending hours trying to find out what might have caused your SharePoint environment to fail or perform badly.
Take control of your SharePoint health.	Continuously monitor, diagnose, discover, analyze and fix SharePoint performance and availability issues efficiently. Quickly understand why your SharePoint servers are not performing well or why pages are taking long to load.
Out-of-the-box monitoring.	Instant and automatic monitoring of all SharePoint farm servers without the need to develop any kind of script. Take advantage of built-in default options to start monitoring your SharePoint servers immediately.
Provides accurate and clean server-side performance metrics.	Understand the real impact of the server-side performance metrics without interference from browser type, location, operating systems and connection speed. Have control of how an application is behaving in its 'raw' state, and easily determine any application performance issues.
Quickly identifies worst performing page controls.	Immediately identify the worst performing HTML controls, solutions and Web controls by quickly analyzing their load time, size and type.
Collects component-level results.	Powerful collection of page control elements that clearly differentiates page loading, execution, or rendering of individual page elements. Quickly and easily identify what is impacting page performance, without guessing!
Provides true SharePoint- specific analysis.	Enables true visibility into SharePoint by exposing the inner workings of server controls, solutions, menus and other page elements. Using advanced methods, Metalogix Diagnostic Manager allows clear analysis of all the Web page controls and parts before they are rendered into HTML and delivered to the user.

Task	How
Quickly identifies any potential problems for any servers in the farm.	Provides notifications of any potential problems found in any of the SharePoint ULS logs for any of the servers in the SharePoint farm. (SharePoint 2010, 2013, and 2016)
Monitor the health of Office 365 tenants	Provides status information for Office 365 services (including SharePoint Online, Exchange Online, and Skype for Business) and their features.

Using the Help

You can also access the Help system through the Start menu, the Help tab on the Metalogix Diagnostic Manager Management Console—or for page help, by pressing F1 on your keyboard.

NOTE: The online Help requires Internet Explorer version 7.0 or later.

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Use the following checklist to get started using Metalogix Diagnostic Manager.

Add one or more farms and/or Server Groups to monitor.

See Adding a Farm to Monitor and Adding a Server Group

Add one or more pages to monitor.

See Adding a Page to Monitor.

Configure the alerting thresholds.

See Setting Alert Thresholds.

If you want to receive alert notifications through e-mail, configure the email settings.

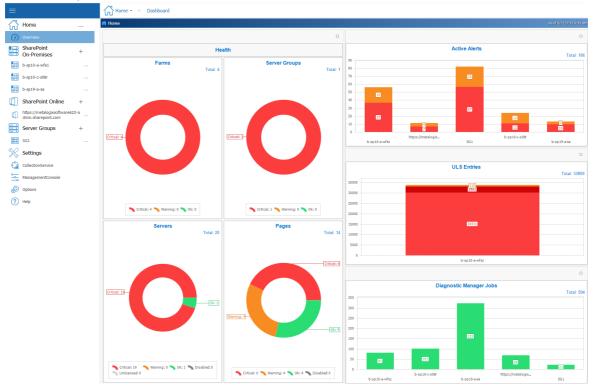
See Configuring e-mail Settings.

Configure Metalogix Diagnostic Manager to monitor Unified Logging System (ULS)

See Enabling and Configuring ULS Log Entries (SharePoint 2010, 2013, and 2016).

The Diagnostic Manager Home Page

The Metalogix Diagnostic Manager Home page is a <u>customizable dashboard</u> that provides a graphical representation of overall health and key metrics for SharePoint farms, O365 tenants, and Server Groups.



NOTE:

If you are using the older user interface to the new user interface (depicted above), select the **Switch To New Management Console** button, available in the ribbon.



If you would like to switch the new user interface back to the old interface, select the **Switch to Old Management Console** button available when you click the (...) next to Home.

≡	Home \bullet Dashboard 🧳
Home	A Home
00	Connect to Collection Service
Overview	Switch to old Management Console
SharePoint On-Premises	Diagnostic Manager Jobs
	C Refresh

Configuring your Deployment

After initially installing and setting up Metalogix Diagnostic Manager, you can perform the following configuration activities:

- Managing licenses
- Configuring Web proxy settings for monitoring O365 Tenants and Web pages
- <u>Connecting to the Collection Service</u>
- Adding a farm to monitor
- <u>Adding a Server Group</u>
- <u>Manually adding servers to a farm or Server Group</u>
- <u>Adding a monitored page</u>
- <u>Setting default alert thresholds</u>
- <u>Configuring e-mail settings</u>
- <u>Setting the Management Console preferences</u>
- Enabling and Configuring ULS Log Entries

Managing Licenses

Metalogix Diagnostic Manager activates your license key during its installation by contacting a license server. Metalogix Diagnostic Manager will periodically refresh the activation as it runs.

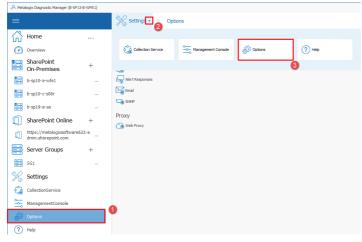
For customers without an Internet connection or who want to review the information, offline activation is available. Installations using offline activation must be manually refreshed every 365 days.

Your license is based on the number of servers and/or Office 365 tenants that you want to monitor within your farms. If a server or tenant does not have a valid license, Metalogix Diagnostic Manager does not collect data from it.

Use the Manage Licenses dialog box to view the servers and/or tenants that have licenses assigned to them. In the Manage Licenses dialog box, servers with licenses assigned have selected check boxes.

To access the Manage Licenses dialog:

In the Management Console right side ribbon, choose **Options**, then select **Settings** from the top tab, followed by **Options**, this will open the options page.



On the options page select Manage Licenses.

" <mark>9.</mark> м	,옷 Metalogix Diagnostic Manager (B-SP 13-B-WFE1)			
=			Settings 🔹 $ ightarrow$ Options	
<u>ا</u>	Home		Licensing D Manage Licenses	
0	Overview			
	SharePoint On-Premises	+	Alerting Settings	
	b-sp10-a-wfe1		Rert Responses	
	b-sp10-c-s08r		Email	
	b-sp19-a-sa		C SIMP	
	SharePoint Online	+	Proxy C Web Proxy	
Q	https://metalogixsoftware62 dmin.sharepoint.com	2-a		
	Server Groups	+		
	SG1			
8	Settings			
E	CollectionService			
-	ManagementConsole			
6				
(?) Help			

Normally, you license every server in your SharePoint farm. If the number of servers/tenants in exceeds the number of licenses, you must select the ones you want to license.

NOTE: When a server in a clustered or SQL AlwaysOn environment is added, all of the other servers in the cluster/availability group are automatically added to the Management Console. In order to be monitored, these servers must also be licensed.

censed Servers: 201 of Unlimited eb Front Ends: 4 of 4 cense Status: Valid	Total Licenses: Available Licenses: Farms:	Unlimited Unlimited 3	License Expiry: Maintenance Expir	Perpetual ny: 1/1/2100
Licensed Servers				
Select the servers to be monitored. / Server	Status	each server	that has been selected	Select <u>All</u>
SharePoint 2010 intranet It 0.13.14.50 Accelertestdc QA2010FARMVM2 (WFE) QA2010FARMVM2A (WFE)				Select All <u>W</u> FEs
 SharePoint2013 10.13.14.50 qa2013farm4 (WFE) 	Licensed Licensed			
6 More licenses are available to	allocate to additional	servers.		
				Update license

To select the servers to license:

NOTE: For licensing purposes, Metalogix Diagnostic Manager treats an Office 365 tenant's SharePoint Admin site as a "virtual" server.

In the Licensed Servers tab, do one of the following:

- Select the check box for each server to which you want to assign a license.
- Clear the check box to remove a license from a server.
- Click [Select All] to assign a license to all servers.
- Click [Select All WFEs] to assign a license to all Web front end (WFE) servers.
- Click [Unselect All] to clear the check boxes for all servers.

To copy a license key to the clipboard:

In the Manage Licenses dialog box, click [Copy].

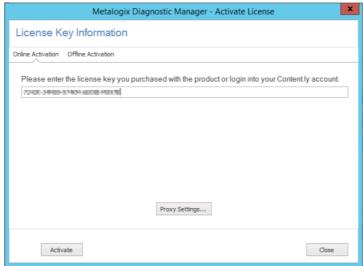
Now you can paste the license information into a different program to save the license data.

Updating a License

The Activate License dialog box lets you enter your new Metalogix Diagnostic Manager license key. You must have a valid license key equal to or greater than the number of SharePoint servers you want to monitor. You may need to update a license when you increase the number of servers you want to monitor and you receive another license.

To update a license:

- 1. In the Management Console, choose **Options > Settings> Options> Manage Licenses**.
- 2. Click [Update license] to invoke the Activate License dialog.
- 3. In the Activate License dialog box, enter the license key.



4. Use the information in the following table to determine the appropriate option to use to activate the license.

If	Then
you want to activate the license online from the local machine	click [Activate] .
you want to activate the license online using a proxy	a) Make sure the Use a proxy server to access Internet box is checked
	b) Click [Proxy Settings].
	c) Make sure the Proxy Settings dialog has been completed with the following information:
	 the Proxy Server name or IP address and Proxy Port or the Proxy Server url
	 the credentials to be used when connecting to the internet.
	d) To verify connection to the proxy server, click [Test] .

If	Then
you want to activate the license	Proxy Settings Image: Use a proxy server to access Internet. Proxy Server: Proxy Port: 10.10.100 8080 C Proxy User: Proxy Password: bellum\administrator ********* Test OK Cancel OK e) Click [OK] to dismiss the dialog. a) Switch to the Offline Activation tab.
without internet access	 b) On the Activate License dialog, enter the license activation key. Metalogix Diagnostic Manager - Activate License Key Information Order Activation Office Activation Order Activation Office Activation Data to the clipboard or to a file. Copy Activation Data to the clipboard or to a file. Copy Activation Data to the clipboard or to a file. Step 1. Collect the Activation Data to the clipboard or to a file. Step 2. Submit collected data to https://support.quest.com/offine-activation to get the activation key file. Step 4. Click "Activate" to complete the activation process Activation Key File: Step 4. Click "Activate" to complete the activation process: 1. Collect the Activation Data. You have the option to either Copy Activation Data to Clipboard or Save Activation Data to (text) File. 11. Submit collected data. Go to https://support.quest.com/offline-activation and follow the instructions for submitting your activation data. NOTE: When your activation key is returned, you have the option of copying it to the clipboard or saving it to a data file. Make sure that you choose the option to save to a data file as it is the only method that the Activate License

dialog allows. III. Upload the Activation Key File obtained from to the Activate License dialog.	If	Then
 IV. Click [Activate]. d) When the License activation succeeded message displays in the lower-left corner of the dialog, click [Close]. CAUTION: Installations using offline activation must be manually refreshed every 365 days. If you originally activated your Metalogix Diagnostic Manager license offline and it has been active for more than 365 days, when you launch the Management Console the splash screen may display a message that your license has expired. 		 III. Upload the Activation Key File obtained from to the Activate License dialog. IV. Click [Activate]. d) When the License activation succeeded message displays in the lower-left corner of the dialog, click [Close]. CAUTION: Installations using offline activation must be manually refreshed every 365 days. If you originally activated your Metalogix Diagnostic Manager license offline and it has been active for more than 365 days, when you launch the Management Console the splash screen may display a message that your license has

Connecting to the Collection Service

The Collection Service collects data from your SharePoint farms and Server Groups and stores it for the Management Console to access. You connect the Metalogix Diagnostic Manager Management Console to a Collection Service. The Management Console can connect to a single Collection Service at a time. If your network includes multiple Collection Services, you can connect to each in turn.

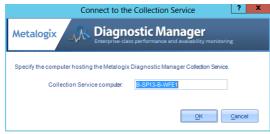
NOTE: If you run the Management Console on a computer that also hosts the Collection Service, then Management Console connects to the local Collection Service by default. You can manually select a different Collection Service.

To connect to the Collection Service:

1 In the Management Console ribbon, choose **Home>** ... **> Connect to Collection Service**.

=	Home \bullet Dashboard
Home	A Home
-	Connect to Collection Service
Overview	Switch to old Management Console
SharePoint	Diagnostic Manager Jobs
Cn-Premises	() Refresh
P	

2 In the Connect to the Collection Service dialog box, type the name or IP Address of the computer that hosts the Collection Service.



3 Click OK.

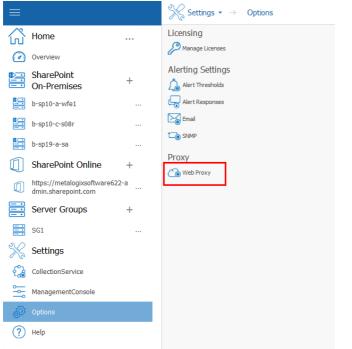
Configuring Web Proxy Settings for Monitoring O365 Tenants and Web Pages

If you want to monitor O365 tenants and public Web pages from a machine that does not have Internet access or you want to use a secure connection, you can specify a proxy server to use for connecting to the Internet.

IMPORTANT: If you want to monitor an O365 tenant using a proxy, before you add the tenant to Metalogix Diagnostic Manager you must first configure the proxy in Internet Explorer. Otherwise, the message "Navigation to the Web page was canceled" will display when you attempt to add the tenant. Once the tenant has been successfully added, however, the proxy setting is no longer needed in Internet Explorer.

To configure web proxy settings:

1. From the Management Console Options tab, click Web Proxy.



- 2. On the **Proxy Settings** dialog, make sure the **Use proxy server to access Internet** box is checked and the dialog has been completed with the following information:
 - the Proxy Server name or IP address and Proxy Port or the Proxy Server url
 - the credentials to be used when connecting to the internet.
- 3. To verify connection to the proxy server, click the [Test] button.

Proxy Settings					
✓ Use a proxy server to access Internet.					
Proxy Server: Proxy Port:					
10.10.100 8080 🗘					
Proxy User:	Proxy Pas	sword:			
bellum\administrator	******	**			
Test	OK	Cancel			

4. Click **[OK]** to dismiss the dialog.

Adding a Farm to Monitor

Metalogix Diagnostic Manager lets you monitor On-Premises SharePoint farms and/or Office 365 tenants. You first must add the farm to the Management Console before Metalogix Diagnostic Manager can provide you with data.

Before Adding a Farm to monitor:

Make sure the account(s) you will be using for data collection meet the requirements for <u>Account(s)</u> <u>Used for Data Collection</u>.

To add a farm to monitor:

2 In the Management Console tree, select the (+) beside "SharePoint On Premises" or "SharePoint Online" in order to add a farm to each respective category.

ល៊	Home	
	SharePoint On-Premises	+
	b-sp10-a-wfe1	
	b-sp10-c-s08r	
	b-sp19-a-sa	
	SharePoint Online	+
٩	https://metalogixsoftware62 dmin.sharepoint.com	2-a
	Server Groups	+
	SG1	
×	Settings	
0	CollectionService	
-	ManagementConsole	
Ð	Options	
?	Help	

3 For Farm name, enter a "friendly" name that you would like to have appear in the Management

Console.

i NOTE: This name appears only in Metalogix Diagnostic Manager and does not need to match any other name for the farm that is used outside the product.

Farm Data	
	Specify a friendly name for display inside Metalogix Diagnostic Manager.
Farm name:	Extranet

> Cancel	 	

4 Click [Next].

5 Use the information in the following table to determine the appropriate action to take.

If you are adding	Then
a SharePoint On-Premises farm	for Topology Server Data , enter the name or IP address of any Web front end
	Add Farm
	Topology Server Data Specify any Web front end server in the SharePoint farm to be monitored. Metalogix Diagnostic Manager will connect to this machine to get the list of servers for your farm. Topology server: 2013SharePoint
	Next > Cancel Help CAUTION:
	The Collection Service contacts the server that you specify and uses information from the registry on the Topology Server to locate the SharePoint configuration database. The Collection Service then queries the configuration

If you are adding	Then
	database to determine the servers that make up the farm and the roles the servers play.

7 Click [Next].

8 Use the information in the following table to determine the appropriate action to take.

If you are adding	Then
a SharePoint On- Premises farm	go to the next step.
an Office 365 Tenant	go to Step 10.

- 9 If you are adding a SharePoint On-Premises farm and want to collect data using credentials other than the Collection Service Account specified when the Collection Service was installed:
 - a) Check the appropriate option(s):
 - Gather server performance data using WMI
 - Query SharePoint database for farm topology and SQL Server information
 - Test page performance and availability

Add Farm

Set the set of the collection service account. If you want to see of the data collection service account. If you want to set of different types of data collection, please check the appropriate options below.
I want to specify an alternate account to:
I want to specify an alternate account to:
I cance here the programmer and availability.
Next > Cance here

b) Click [Next].

For each option you selected, you will be prompted to enter credentials for the alternate account.

c) Enter the User Name and Password for an account that has the appropriate permissions.

Add Farm

rmance Alternate Acces	ss Account	
bellum\serveracct		
••••		
	bellum\serveracct	bellum\serveracct

i NOTE: Remember to enter the *full* account name (for example, domain\user name).

If an account fails validation, an error message displays in the Account Test Results dialog.

VMI A	Account Te	st Results					
🖸 To	opology Server F	legistry Access -	Server Performan	ce Credentials (FA	ILED)		
may be proble	e unavailable or t	he credentials supp in if a firewall is en:	plied may be incom	ect or may not have	e connection string. The access to the Share is denied. (Exception		
🙆 SI	harePoint Centra	I Admin URL Loo	kup - Server Perfo	ormance Credentia	als (FAILED)		
						ied may be incorrect or In the Share Point server.	

If you want to copy the text of the message to the clip board, click [Copy]. You can then paste the information into another program. Click [OK] to dismiss the dialog, then fix the issue and re-enter credentials. When credentials have been successfully validated, click [Next].

- 10 For Setup Your Alerts, either Apply default or select Apply custom and select/deselect individual alerts and/or adjust the thresholds that you want to apply for the farm.
- NOTE: If you change the Alert priority, you can sort the Priority column in the Alerts view according to relative importance.

Add Farm

€ Setup Your Alerts Apply default Apply custom - Content Summary - Content Database Content Database Site Collections Count (Percent) Content Database Site Collections C The number of Site Collections stored in a Content Database expressed as a percent of the maximu allowed as set within SharePoint for the maximum number of Site Collections per Content Database - Content Summary - Document Enable alerting on this metric New Document Size (KB) Content Summary - Farm ontent Summary - Farm © Content Summary - Insufficient Licens © Content Summary Collecton Failed New Web Applications in a Farm (Col. Total Database Size for a Farm (KB) © Total Document Size Growth for a Far © Total Document Size Growth for a Far © Total Document Size Growth for a Far © Total Web Applications in a Farm (Col. Alert priority: 3 Select threshold levels for this metric 🖉 🚦 Warning - raise when value is greater than 75 🚍 % 🖌 🗙 Critical - raise when value is greater than 90 🗮 % Next > Cancel Help

11. Click [Next].

A Summary of the data you specified on the previous dialogs displays.

12 If you are adding a SharePoint 2010, 2013, or 2016 On-Premises farm and want to **Check server** access and permissions for all servers in the farm, check this box. (This option is unavailable for SharePoint 2007 farms).

If you uncheck this box, the server access and permissions check will be skipped.

NOTE: You can perform this check at any time from within the Management Console using the **Check Server Access** option.

Add Farm	
\odot	
Summary	
Farm name: SharePoint 2013 Farm type: SharePoint On Premises Topology server: qa2013farm4 Server Performance Account: Collection Service account Farm Database Account: Collection Service account Page Performance Account: Collection Service account Alerts thresholds configuration: Custom	Farm Topology SharePoint 2013 Servers QA2013FARM4 AXDC2012 BOS-AX-DC-01 SQL Servers QA2013FARM4
\checkmark Check server access and permissions.	
	Finish Cancel Help

If **Check server access and permissions** was selected on the Summary dialog, when you click **[Next]**, the following information will display for each server in the farm:

- For a farm Topology server, access to the Config database connection string
- For each server in the farm:
 - WMI access to
 - Windows Registry, and
 - Windows Services
- access to the master database of each SQL Server instance.

Check	Server Access		
⊿ Se	erver Name: 2010foundation		
-	Check Type: WMI		
	Get Config database connection string		
.⊿ Se	erver Name: 2010Foundation		
-	Check Type: SQL		
	Master database access	Instance: 2010Found	lation
-	Check Type: WMI		
	Registry access		
	Get services		
	erver Name: bellumpdc		
1	Check Type: WMI		
	Registry access		
	erver Name: qa2013foundatio		
	Check Type: SQL		
		Instance: QA2013FC	JUNDATIO
4	Check Type: WMI		
	Registry access		
	Get services		
		Copy to Clipboard Run	Checks Again Close

If the account fails any of the server access and permissions checks, you can fix the issue on the affected server(s) then **[Run Checks Again]**.

12 Click [Finish] to add the farm to the Management Console tree

The Collection Service stores the list of monitored farms in the Repository. Any user of the Management Console can add farms to the Collection Service or review any of the collected data.

NOTE: If you want to be able to collect component analysis data for the farm, remember to install the Component Analysis solution in the farm. Refer to the *Metalogix Diagnostic Manager* Advanced Installation Guide for details.

Account(s) Used for Data Collection

On Premises Data Collection Account Requirements

For on premises SharePoint farms, data collection is by default performed using the credentials of the Collection Service account. However, whenever you add a farm to monitor, you have the option of specifying different accounts to use for the collection of different types of data.

Account requirements depend on the type of data being collected, as described in the following table.

For the collection of	Then the account must have
Farm Data	read access to the SharePoint Farm Configuration database.
Server Performance	access to the Windows Management Instrumentation (WMI) data for every Windows server and SQL server to be monitored. NOTE: Normally, this is a local administrator account. If it is not possible for the account to be a local administrator, several fine-grained- permissions must be granted instead. However, if the account is not a local administrator, you will be unable to start and stop application pools from within the Management Console. Contact <u>Quest</u> <u>Support</u> for details.
Page Performance and Availability	 the following fine-grained SharePoint permissions to all areas of the farm (Web applications, site collections, sites, lists, and items): View items View Application Pages NOTE: These fine-grained permissions are, by default, included in the Web Application Permission Policy Level Full Read.
SQL Server Information	ideally, membership in the sysadmin role, which will provide the account with all of the permissions it needs to query the SQL server instance and all of its databases. NOTE: If it is not possible for the account to be a

28

For the collection of	Then the account must have
	sysadmin, several fine-grained-permissions must be granted instead. Contact <u>Quest Support</u> for details.
Content Summary Data	the Site Collection Auditor role for all site collections within a monitored Web application (which is, by default, included in the Web Application Permissions Policy Levell Full Read). NOTE: If you want to monitor the Central Administration Web application, the account must have the Site Collection Administrator role (which is, by default, included in the Web Application Permissions Policy Level Full Control).

Office 365 Tenant Data Collection Account Requirements

If you are monitoring one or more Office 365 tenants, the account used to collect data must be:

• an Office 365 global administrator

AND

• a site collection administrator for each SharePoint Online site collection to be monitored.

Editing a Monitored Farm

You can change the name, topology server, and/or access credentials for a monitored farm. When you edit the farm, you can specify a different name to use in Metalogix Diagnostic Manager. The new name does not appear in SharePoint itself.

If you are upgrading from a version of Metalogix Diagnostic Manager older than 4.8 and are monitoring one or more O365 Tenants, you will receive an alert to provide Office 365 Authentication using the Edit Farm option.

You can also specify the name or IP address of a different server that the Collection Service should use as the Topology Server. The new Topology Server should be a member of the same farm.

The Collection Service contacts the server that you specify and uses information from the registry on the Topology Server to locate the SharePoint configuration database. The Collection Service then queries the configuration database to determine the servers that make up the farm and the roles the servers play.

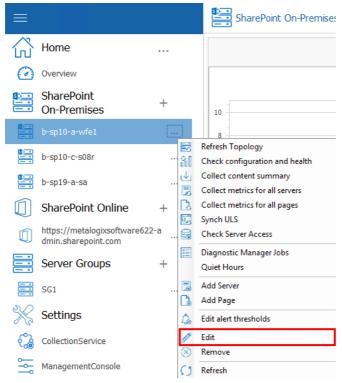
The Collection Service uses the Farm Data credentials that you specify to access the Topology Server.

If you want to replace one farm in the Management Console with a different farm, you should <u>remove the existing farm</u>, then <u>add the new farm</u>.

The Collection Service stores the list of monitored farms in the repository. Any user of the Management Console can add farms to the Collection Service, make changes to the farms, and review any of the collected data.

To edit a monitored farm:

1 In the Management Console tree, select the farm you want to edit, click the (...) button and choose **Edit**.



- 2 Update the appropriate fields on the Edit Farm dialog(s). (See also Adding a Farm to Monitor.)
- 3 Click OK.

Removing a Monitored Farm

If required, you can remove a farm and stop monitoring it. When you remove the farm, all of the stored farm data, all of the alerts related to the farm, and all of the farm configuration information are deleted immediately. Metalogix Diagnostic Manager allows you to make changes to an existing farm. (See Editing Monitored Page Settings.)

When you no longer need to monitor a farm, you can remove it from the Management Console.

To remove a farm:

In the Management Console tree, select the farm you want to remove and click the (...) button next to it. Click **Remove**.

				SharePoint On-Premise:
$\widehat{\mathbf{G}}$	Home .	`		
\bigcirc	Overview			
	SharePoint On-Premises	ł		10 -
				8
	b-sp10-c-s08r		3 11	Refresh Topology Check configuration and health
	b-sp19-a-sa		↓ T	Collect content summary Collect metrics for all servers
	SharePoint Online -	+ [2	Collect metrics for all pages Synch ULS
	https://metalogixsoftware622-a dmin.sharepoint.com		30	Check Server Access
	Server Groups -	+		Diagnostic Manager Jobs Quiet Hours
::	SG1			Add Server
X	Settings		 	Add Page Edit alert thresholds
ୖୄଌ	CollectionService		12	Edit
<mark>اہ</mark> ا	ManagementConsole	ç	S)	Remove Refresh

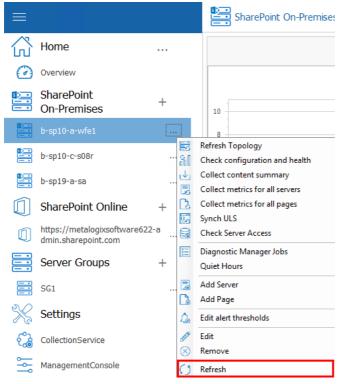
You will be prompted to confirm the action before continuing.

Refreshing the Farm List

When it starts, the Management Console collects a list of the farms monitored by the Collection Service. If needed, you can force it to refresh the list at any time.

To refresh the farm list in the Management Console:

In the Management Console ribbon, choose the farm or server list you wish to refresh, click the (...) button, and select **Refresh**.



The Management Console retrieves an up to date list of the monitored farms from the Collection Service and lists them in the tree.

Adding a Server Group

You can create a Server Group to monitor metrics for up to ten Windows servers and/or clients* that are not necessarily associated with a SharePoint farm. The metrics you can monitor include:

- Servers
- SQL Servers
- Monitored Web Pages
- Resources

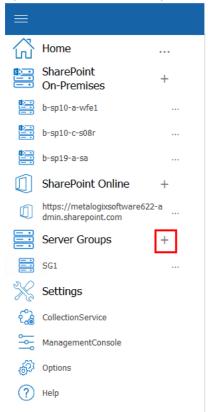
- **i** NOTE: For Windows *clients*, Resources are the only metrics that can be monitored.
- CAUTION: Note that a SharePoint node does not display in the Management Console tree for a Server Group, even if SharePoint is present. SharePoint can be monitored only via the <u>Add Farm</u> functionality.

Before adding a Server Group:

All servers and/or clients in a group share common accounts for data collection. Make sure the account(s) you will be using for data collection for the group meet the <u>data collection requirements</u> for server performance.

To add a Server Group:

1 In order to add a new server group, you must click (+) next to "Server Group" in the tree. This will open the Add Server Group Wizard.



2 For **Name**, enter a "friendly" name for the group that you would like to have appear in the Management Console tree.

Add Ser	ver Group	
9		
Server Group I	Data	
	Specify a friendly name for display inside Metalogix Diagnostic Manager.	
Name:	Boston Servers	
		Next > Cancel Help

- 3 Click Next.
- 4 If you want to collect data using credentials other than the Collection Service Account specified when the Collection Service was installed:
- a) Check the appropriate option(s):
 - Gather server performance data using WMI
 - Query databases for SQL Server information
 - Test page performance and availability

Add Serve	Group		
Ð			
Alternate Data Coll	ction Account(s)		
	is performed using the cred ts for different types of da		ervice account. If you want the appropiate options
I want to specify an alter	ate account to:		
Gather server perform	nce data using WMI.		
Query databases for s	UL Server information.		
Test page performance	and availability.		
		Next >	Cancel Help

b) Click Next.

For each option you selected, you will be prompted to enter credentials for the alternate account.

c) Enter the User Name and Password for an account that has the appropriate permissions.

Add Server Group

€				
Server Performa	nce Alternate Access Acc	count		
User Name	: bellum\serviceacct			
Password:	••••			

i NOTE: Remember to enter the *full* account name (for example, domain\user name).

Next > Cancel Help

If an account fails validation, an error message displays.

Add Server (Group			
Soniar Darformanca All	tornato Accoss Accou	int		
WMI a	ccount test			
0	The WMI alternate account o		alid.	
	Yes	No		
				Help

You can either

 click Yes to ignore the warning and continue creating the server group with the specified account

OR

- click No to fix the issue then re-enter credentials
- 5. Click Next.
- 6 For **Setup Your Alerts**, either **Apply default** or select **Apply custom** and select/deselect individual alerts and/or adjust the thresholds that you want to apply for the Server Group.

NOTE: If you change the **Alert priority**, you can sort the **Priority** column in the <u>Alerts view</u> according to relative importance.

Add Server Group

Setup Your Alerts	
O Apply default	Apply_custom
CPU CPUUsage-Per-Process Privileged CPUUsage-Per-Process Distributed CPUUsage-Per-Process User Time CPUUsage Total - Privileged Time (CPUUsage Total - View Time CPUUsage Total - User Time (Perer	CPU Usage - Per-Process Privileged Time (Percent) Percent of Privileged CPU a single process is consuming on the SharePoint server. I Enable alerting on this metric
C CPU Usage Total (Percent) C Processor Interrupts per Second (Cou Processor Queue Length (Count) Disk	Alert priority: 3 Select threshold levels for this metric:
Average Disk Queue Length (Count) Average Disk Seconds Per Read (ms) Average Disk Seconds Per Transfer (r Average Disk Seconds Per Write (ms) Disk Free Percent (Percent)	Image: Warning - raise when value is greater than 75 Image: % Image: Warning - raise when value is greater than 90 Image: % Raise alert after metric exceeds threshold for 0 Image: min

- **i** NOTE: You can further customize alerts for individual servers within the Server Group after the Server Group has been added.
- 7. Click Next.

A Summary dialog displays.

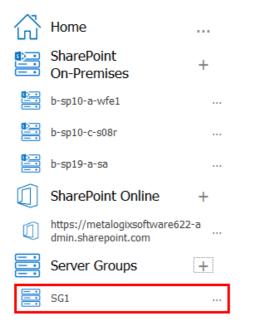
	Add Server Group
E	
	Summary
	Name: Boston Servers
	Type: Server Group
	Server Performance Account: belium/serviceaccount
	Database Account: Collection Service account
	Page Performance Account: Collection Service account
	Alerts thresholds configuration: Custom

Add Server >	Finish	Cancel	Help	1
Add Server >	1 1 1311	Curreer	ncip	1

- 8. If you want to add servers to the group (up to a maximum of 10):
- a) click Add Server.
- b) In the Add Server dialog box, enter the Server name.
- **i** NOTE: You can enter a machine name, IP address, or fully qualified domain name (FQDN).
- c) Repeat substeps a) and b) for each server you want to add to the group.

9. Click Finish.

The server group now displays in the Management Console tree.



Now you can add <u>monitored pages</u> to the group.

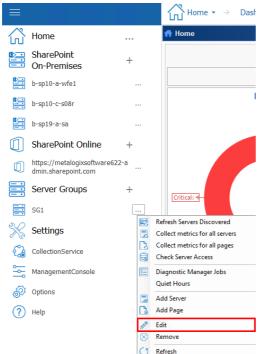
Editing a Server Group

You can change the name and/or access credentials for a Server Group.

If you want to add or remove servers within the group, use the procedure for <u>Manually Adding and</u> <u>Removing Servers to Monitor</u>.

To edit a Server Group:

1 In the Management Console tree, select the Server Group you want to edit, click (...) and then choose **Edit**.



- 2 Update the appropriate fields on the Edit Server Group dialog(s). (See also <u>Adding a Server</u> <u>Group</u>.)
- 3 Click OK.

Manually Adding and Removing Servers to Monitor

When you add a farm to Metalogix Diagnostic Manager, the Management Console automatically adds the servers that make up the farm to the Farm Server list. Periodically, the Management Console refreshes its list to keep it up to date.

You can also add servers manually that the farm depends on for information that are not part of the farm. You can also add new servers that you create or servers that are not automatically added. You can also add servers manually (up to a maximum of 10) to a <u>Server Group</u>.

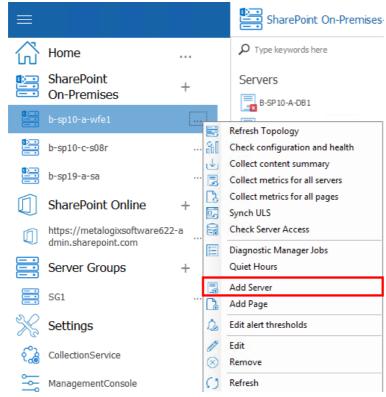
After you manually add a server, Metalogix Diagnostic Manager does not make a distinction between it and any servers added automatically. Metalogix Diagnostic Manager uses the same credentials to access the servers that were added both manually and automatically.

A server must be available to add it manually. If the server is not available, you cannot add it.

After you add a server, you cannot change the server name or farm. You can remove the server from Metalogix Diagnostic Manager or disable it (see <u>Temporarily Suspending Data Collection</u>). When you delete a server, Metalogix Diagnostic Manager deletes the historical data for the server.

To add a server manually:

- 1. In the Management Console tree, select a farm node, server node, or Server Group.
- 2. Select the (...) next to the farm, server, or server group, and select Add Server.

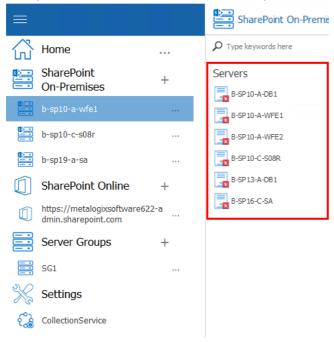


- 3. In the Add Server dialog box, enter the Server name.
- i NOTE: You can enter a machine name, IP address, or fully qualified domain name (FQDN).

?
qa2013farm1
Specify an additional server to be monitored as part of the selected Server Group.
OK Cancel

4. Click **OK**.

5. The server and its components are now displayed when you double click on the Farm or Server Group node, and select Servers from the top ribbon.



Note that:

- If the server you added is part of a cluster and/or SQL AlwaysOn availability group, all other servers in the cluster/availability group will be added to the Management Console automatically. In order to actually be *monitored*, however, these servers must also be <u>licensed</u>.
- If you added a Windows *client* to a Server Group, the only associated component is **Resources**.

To remove a manually-added server:

NOTE: You can only remove servers that were added manually. You cannot remove servers that Metalogix Diagnostic Manager discovers automatically. (In the case of a server that was discovered as part of a cluster or SQL AlwaysOn availability group, If you attempt to remove it, it will be re-discovered.) You can, however, <u>disable data collection from automatically-added</u> <u>servers</u>.

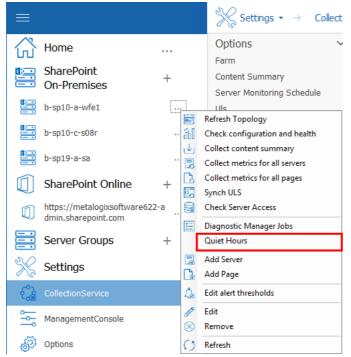
In the Management Console tree, select the manually-added server that you want to remove, select the (...) next to it, and select **Delete**.

Setting Farm or Server Group "Quiet Hours"

By default, Metalogix Diagnostic Manager provides continuous, 24/7 monitoring of your SharePoint farms and any Server Group(s) you have added. You can, however choose to set regular "Quiet Hours" during which time monitoring, data collection, and alert processing is suspended for all objects modified in the farm or Server Group.

To set "Quiet Hours" for a farm or Server Group:

1 In the Management Console tree, select the farm (or Server Group) for which you want to set Quiet Hours, click the (...) and select **Quiet Hours**.



- 3 Check the **Make Farm quiet in this time period** (or **Make Server Group quiet in this time period**) box to enable remaining fields.
- 4 To specify Quiet Hours:
 - Select the Start time and End time for which you want monitoring, data collection, and alerts to be suspended.
 - NOTE: The time interval you select reflects the local time of the Management Console machine where the Quiet Hours are set.

• Check each of the days for which you want the Quiet Hours to apply.

Farm Settings
Quiet Hours
Configure the time interval, when monitoring is suspended. Data collection and alert processing will be disabled during this time.
Farm Quiet Hours
✓ Make farm quiet in this time period
Start time End time
12:00:00 AM 🗘 7:00:00 AM 🗘
on the following days
🗹 Sun 🗌 Mon 🗌 Tue 🗌 Wed 🗌 Thu 🗌 Fri 🗹 Sat
OK Cancel

5 When you have finished setting Quiet Hours, click **OK**.

Configuring e-mail Settings

Metalogix Diagnostic Manager uses email settings:

• to send e-mail notifications when warning or critical conditions you define occur

AND

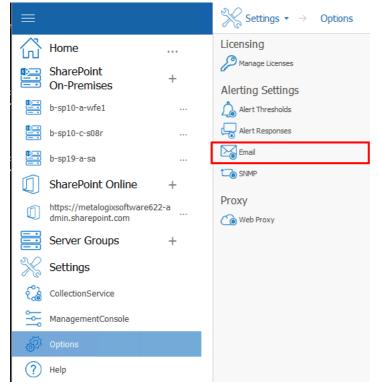
• for the distribution of <u>scheduled reports</u>.

You use the <u>Alert Thresholds dialog</u> to specify when Metalogix Diagnostic Manager generates an alert. You use the Alert Responses dialog to <u>configure how Metalogix Diagnostic Manager responds</u> to the alert, including when Metalogix Diagnostic Manager sends email notifications.

i NOTE: Metalogix Diagnostic Manager only sends an e-mail when an alert changes status, not when an alert remains in the same state.

To configure the e-mail settings:

1. In the Management left hand panel select **Options** and then in the options section, choose **Email**.



2. Complete the Email Information section as describe in the following table.

Field	Data to Enter
Sender Address	The e-mail address that appears as the sender of the e-mail.
Reply-to Address	The e-mail address that appears as the reply-to address. All replies to the message are sent to the address you specify. You must specify a reply-to address to receive replies to the email.
Message Footer	Text that you want to appear in the footer of the e- mails Metalogix Diagnostic Manager sends. Metalogix Diagnostic Manager includes the text that you specify in every alert email that it sends.

3. Complete the **Outgoing Mail Server Information** section as described in the following table.

Field	Data to Enter
SMTP Server Address	The name or Internet Protocol (IP) address of your SMTP mail server.

Field	Data to Enter	
SMTP Server Port	The IP port that the SMTP mail server uses. (The default SMTP port is port 25.)	
	If you want Metalogix Diagnostic Manager to use SSL encryption to connect to the mail server, check Use an SSL encrypted connection .	
SMTP Server required authentication	I If your SMTP server requires authentication:	
	check this box	
	AND	
	• specify a valid user name and password that Metalogix Diagnostic Manager can use to access the mail server.	

- 4. To use the settings you specified to send a test message click Test Email Settings.
- NOTE: Metalogix Diagnostic Manager prompts you for the email address to which you want to send the test message.
- 5. Click **OK**.

Configuring the SNMP Settings

You can use the Metalogix Diagnostic Manager to generate Simple Network Management Protocol (SNMP) Traps in response to Alerts. The traps generated by Metalogix Diagnostic Manager comply with version 1 of the SNMP standards. You can use the Management information base (MIB) file and the generated traps in conjunction with your SNMP management software to respond to alerts.

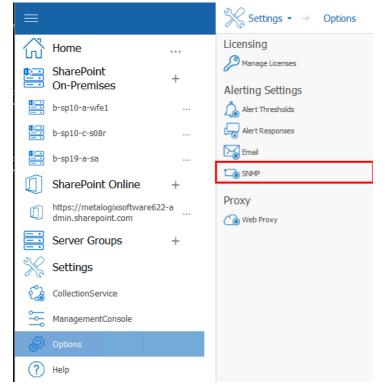
NOTE: Metalogix Diagnostic Manager only generates SNMP traps in response to Metalogix Diagnostic Manager alerts and does not act as an SNMP agent.

Metalogix Diagnostic Manager includes an MIB file that is installed on the computer that hosts the Management Console. The file name is .mib. The file is installed at the top level of the installation directory.

You can use the MIB file with your SNMP management software to collect the SNMP traps that Metalogix Diagnostic Manager generates. See your SNMP management tool or consult your SNMP administrator for information about installing and using the MIB file.

To configure the SNMP settings:

1. In the Management Console left hand panel, choose **Options** then select **SNMP**.



- 2. Complete the SNMP Settings dialog as described in the following table.
- NOTE: The administrator of your SNMP management tool should be able to provide this information

Field	Description
SNMP Server Address	The IP Address or the name of the SNMP server to which generated traps should be sent.
Port	The Port on which the SNMP management software listens.
Community	The name of any SNMP community to use for the provider

- 3. To use the settings you specified to send a test message click **Test SNMP Settings**.
- 4. Click **OK**.
- 5. In your SNMP management tool, verify that the trap was received correctly.

Enabling and Configuring the Collection of ULS Log Entries (SharePoint 2010, 2013, and 2016 On Premises)

You can use Metalogix Diagnostic Manager to collect ULS log entries from SharePoint then to sort, filter, and group by a variety of criteria to further monitor the health of your SharePoint environment and diagnose potential issues. From the **Collection Service Options - ULS** tab, you can enable the collection of ULS log entries from SharePoint (synchronized across all monitored farms), specify what level of log entry you want to be collected, how often you want them to be collected, and how long you want them to be retained.

i NOTE: This feature is not available for SharePoint 2007 or Office 365 tenants.

Prerequisites

• For the SharePoint timer job to collect ULS log data, usage and health data collection must be enabled in SharePoint. For details, refer to the applicable Microsoft TechNet article:

For SharePoint 2016

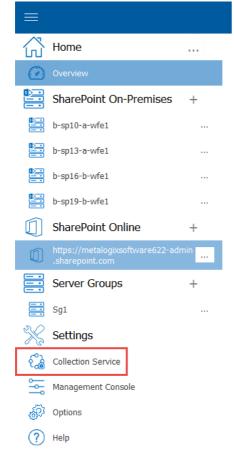
For SharePoint 2013

For SharePoint 2010

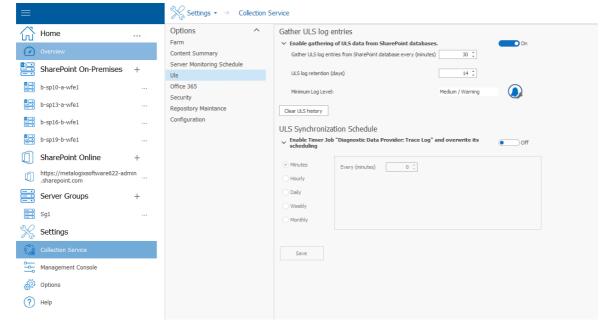
- In order to use the Metalogix Diagnostic Manager ULS Log Viewer:
 - The latest version of the Metalogix Diagnostic Manager Component Analysis Solution must be installed and deployed to every farm whose ULS log entries you want to view.
 - The Metalogix Diagnostic Manager ULS Synchronizer must be activated. (This feature is initially activated as part of the Component Analysis installation).
- Remember that the Collection Service account must have the appropriate VIEW permissions to the SharePoint Logging database. See the Account Requirements topic in the *Metalogix Diagnostic Manager Advanced Installation Guide* for complete Collection Service account requirements.

To enable and configure the collection of ULS log entries:

1 In the Management Console left hand panel, select **Collection Service**.



2 Click the **ULS** tab.



3 The **ULS** tab contains the following options.

Option	Description	
Enable gathering of ULS data from SharePoint databases	When this box is checked, Metalogix Diagnostic Manager will be permitted to gather ULS data from SharePoint <i>once the ULS Synchronization Schedule has been enabled and set</i> .	
Gather ULS log entries from SharePoint Database	How often the Collection Service should gather ULS log entries from SharePoint.	
ULS log retention	The number of days Metalogix Diagnostic Manager should retain ULS log entries in the Repository database.	
ULS Synchronization Schedule	 Enables the SharePoint Timer Job Diagnostic Data Provider: Trace Log and overrides the schedule set in Central Administration for all monitored farms and servers. CAUTION: If the Diagnostic Data Provider: Trace Log timer job has never been enabled in SharePoint or has not been run recently, the synchronization of what may be a significant amount of accumulated log data across multiple servers and/or farms is required. Therefore, the time it takes to complete the initial synchronization may range from several minutes to several hours. Subsequent synchronizations are performed incrementally, and therefore can be completed in much less time. 	
Minimum Log Level	The minimum level of severity for which Metalogix Diagnostic Manager will gather ULS log entries. (That is, Metalogix Diagnostic Manager will gather only log entries that are of the severity you specified and higher.) Click the conto display the options from which to select. See "Minimum Log Entry Level Values," following for descriptions and rankings of log entry severity levels.	

Minimum Log Level Values

The following table describes the available **Minimum Log Level** values, listed from highest to lowest severity.

Gather ULS log entries			
✓ Enable gathering of ULS data from SharePoint databases.			
Gather ULS log entries from SharePoint database every (days)			
ULS log retention (days)	VerboseEx Critical		
Minimum Log Level:	Mediu Verbose DError		
Clear ULS history	Information Medium / Warning		
ULS Synchronization Schedule	Monitorable		
 Enable Timer Job "Diagnostic Data Provider: Trace Log" scheduling 	and overwrite its		
 Minutes Starting every hour between 0 [^] [^]	minutes past the hour		
○ Hourly and no later than 0	minutes past the hour		
Daily			
O Weekly			
O Monthly			
Save			

Level	Definition	
High	General functional detail for the high priority events that happen in the environment. Examples include global configuration modifications, service start and stop, timer jobs completed, and so on.	
Critical	Events that demand the immediate attention of the system administrator. They are generally directed at the global (system- wide) level, such as System or Application. They can also be used to indicate that an application or system has failed or stopped responding.	
Error	Events that indicate problems, but in a category that does not require immediate attention.	
Medium/Warning	Events that provide forewarning of potential problems. Although not a response to an actual error, a warning indicates that a component or application is not in an ideal state and that some further actions could result in a critical error.	

Level	Definition	
Unexpected	A logic check failed that is not typical, or the message returns an unexpected error code. These generally represent code bugs that should be investigated and fixed.	
Monitorable	Traces that indicate a problem, but do not need immediate investigation. The intent is to collect data and analyze it over time, looking for problem trends.	
Information	Events that pass noncritical information to the administrator, similar to a note that says: "For your information."	
Verbose	Verbose status, such as progress or success messages.	
VerboseEx	Useful for traces that are likely to be high volume, especially information that is not needed for all debugging scenarios. Examples of situations where you should use the VerboseEx setting are method entry and exit events, tracing in loops, or to relay information that is not useful to developers outside your team.	

Disabling the Gathering of ULS Log Data and Clearing ULS Log History

To disable the gathering of ULS data by Metalogix Diagnostic Manager:

NOTE: The disabling of ULS data gathering by Metalogix Diagnostic Manager does not disable nor does it change the current schedule of—the Diagnostic Data Provider: Trace Log timer job in SharePoint. If you want to disable the timer job itself, you can do so via SharePoint Central Administration.

On the Collection Service Options - ULS tab, move the **Enable Gathering of ULS data from SharePoint databases** toggle to off box.

≡		Settings \bullet > Collection Set	ervice
	Home	Options ~	Gather ULS log entries
	SharePoint + On-Premises +	Farm Content Summary Server Monitoring Schedule UIs	
	b-sp10-c-s08r	Office 365 Security	Minimum Log Level: Medium / Warning
	b-sp19-a-sa SharePoint Online +	Repository Maintance Configuration	Clear ULS history ULS Synchronization Schedule
	https://metalogixsoftware622-a dmin.sharepoint.com		 Enable Timer Job "Diagnostic Data Provider: Trace Log" and overwrite its scheduling
	Server Groups +		Minutes Starting every hour between 0 minutes past the hour
X	Settings		Hourly and no later than 0 minutes past the hour
ිෂ	CollectionService) Weekly
2	ManagementConsole		O Monthly
87 (?)	Options Help		Save

To clear ULS Log History from the Metalogix Diagnostic Manager Repository database:

		Settings $\bullet \rightarrow$ Collection S	Service
	Home	Options ~	Gather ULS log entries
	SharePoint + On-Premises	Farm Content Summary Server Monitoring Schedule	✓ Enable gathering of ULS data from SharePoint databases. On Gather ULS log entries from SharePoint database every (days) 30 <
	b-sp10-a-wfe1	Uls	ULS log retention (days) 14 ț
	b-sp10-c-s08r	Office 365 Security	Minimum Log Level: Medium / Warning
	b-sp19-a-sa	Repository Maintance	Clear ULS history
	SharePoint Online +	Configuration	ULS Synchronization Schedule
	https://metalogixsoftware622-a dmin.sharepoint.com		Enable Timer Job "Diagnostic Data Provider: Trace Log" and overwrite its Off Scheduling
	Server Groups +		Minutes Starting every hour between 0 minutes past the hour
×	Settings		Hourly and no later than 0 ‡ minutes past the hour
ිබ	CollectionService) Weekly
~	ManagementConsole		O Monthly
Ð	Options		
?	Help		Save

On the Collection Service Options - ULS tab, click Clear ULS History.

Using Alerts

6

You can use Metalogix Diagnostic Manager alerts to help you monitor your SharePoint farms, Server Groups, and Office 365 tenants.

You specify the conditions that trigger Warning and Critical alerts. When the Collection Service detects these conditions, it generates an alert. You can set default conditions or set conditions on a per-server and per-page basis.

You can specify comments that Metalogix Diagnostic Manager includes in alerts. You define the alert comments for each metric separately. You can set a default comment for all alerts for a particular metric. You can also customize comments for server and monitored page alerts.

When an alert is generated, it is an active alert. When the alert is superseded or no longer applies, it is no longer an active alert. You can choose to view all alerts or only active alerts. You can specify if alerts are written to the event log or if an email is sent.

You also have the option of clearing an alert. A cleared alert no longer appears in the Management Console and does not impact the status of the page, server, or farm that used it.

About Alerts

When the conditions that triggered an alert change, Metalogix Diagnostic Manager can generate a new alert.

Not all alerts are of the same importance. Depending on their importance, each alert can be a Warning Alert or a Critical Alert. You can use the Alerts view to filter alerts based on the alert importance.

The alert status for any monitored page, server, or farm is based on the most recently generated alert status for each of the elements that make up the component. The most serious alert status for any element dictates the alert status for the component as a whole. When you review the alerts for the component, you can see the alerts for the elements that make up the component. When Metalogix Diagnostic Manager calculates the status of a page, server, or farm, metrics with cleared alerts are treated as if their status was OK. A cleared alert does not cause a Warning or Critical component status.

When you disable data collection for any monitored page or server, the alert status for that component is set to OK. When you enable data collection again, the status remains OK until new data is collected.

In the same way, if you disable Page Load Time testing or Page Component Analysis, the alert status for the disabled test is set to OK. When you enable the test, the status remains OK until new data is collected.

Viewing Alerts

The means by which you access Active Alerts depends on which node you select in the Management Console tree.

How to View Alerts:

You can view alerts for a monitored farm or Server Group by double-clicking a bar in the Active Alerts graph on the Overview page of a farm or server group.

=		SharePoint On-Premises-> b-sp10-a-wfe1 ▼ → Views ▼ → Dashboard		
Home	~	٥		
Overview		Active Alerts	Farm Health	Disk Space Usage (%)
SharePoint On-Premises	+ **	Total: 68	Total Servers: 6	B-SP10-C-S08R(C:) 13.54 %
b-sp10-a-wfe1		10		B-SP10-A-WFE1(C:) 22.87 %
b-sp10-c-s08r		5		
b-sp19-a-sa				B-SP10-A-WFE2(C:) 37.15 %
SharePoint Online	+ ~	Content Summary Others B-SP10-A-DB1 B-SP10-A-WFE1 B-SP10-A-WFE2 B-SP10-C-S08R B-SP13-A-DB1 B-SP16-C-SA	Critical: 6	B-SP10-A-DB1(C:)
https://metalogixsoftware@ dmin.sharepoint.com	22-a	0		B-SP16-C-SA(C:) - 56.85 %
Server Groups	+	Site Collections Sizes over Time		
🔆 Settings		8000 MB		B-SP13-A-DB1(C:) 60.88 %
CollectionService		6000 MB -		0 10 20 30 40 50 60
ManagementConsole		4000 MB	CPU Usage (%)	Memory Usage (%)
Ø Options		2000 MB	100	100
(?) Help		0 MB 8/21/19 12:00 AM 8/22/19 12:00 AM 8/23/19 12:00 AM 8/24/19 12:00 AM 8/25/19 12:00 AM 8/25/19 12:00 AM	B-SP10-A-DB1 50 0	B-SP10-A-DB1 50
		Site Collections Count per Web Application	8-SP10-A-WFE 50 50	B-SP10-A-WFE 50
				B-SP10-A-WFE 50 0
		0 Categorian SharePoint - 19674 SharePoint - 37108 SharePoint - 5114 Central Administr SharePoint - 2000 SharePoint - 40123 SharePoint - 80	B-SP10-C-S08 50 *	8-SP10-C-508 50

You can also access alerts by double clicking the farm, and then selecting its name in the top navigation, this opens a sub panel, where you can select **Alerts** in order to view the alerts.

=		HardPoint On-Premises-> b-sp10-a-wfe1 + → Views + → Dashboard								
Home	~									
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports	
SharePoint	+									

The following information appears in the list of active alerts:

fi I	3-SP13	-D-N1				As of: 8/15/2018 7:28 Ph	
A	tive Aler	ts (10)					
	Priority	Change	Time	Alert	Instance	Value	
	3	No change	8/15/2018 7:28:29 PM	Instance hosted on Virtual Server	[B-SP13-D-SQL]		
	3	No change	8/15/2018 7:28:29 PM	Cache Hit Ratio is Low	[B-SP13-D-SQL]	47.3%	
۲	3	No change	8/15/2018 7:28:29 PM	Max Server Memory is High	[B-SP13-D-SQL]	2 PB	
۲	3	🕇 Raised	8/15/2018 7:28:29 PM	Page Life Expectancy is Low	[B-SP13-D-SQL]	14	
	1	No change	8/15/2018 7:27:53 PM	Memory Usage is High	_Total	88.38%	
	3	No change	8/15/2018 7:27:52 PM	Processor Queue Length is High	_Total	5	
<	3	No change	8/15/2018 7:24:45 PM	Windows Services Not Running	B-SP13-D-N1		
1	3	No change	8/15/2018 5:48:27 AM	Instance hosted on Virtual Server	[B-SP13-D-SQLND\SQL_SP]		
	3	🕇 Raised	8/15/2018 2:00:15 AM	SQL Server Database Fragmentation is High	[B-SP13-D-SQLND\SQL_SP]	51.5%	
×	3	1 Raised	8/15/2018 2:00:15 AM	SQL Server Database Fragmentation is High	[B-SP13-D-SQLND\SQL_SP]	90.9%	
Page 1of 1 (10 items) <							
		•		v		Oliver Alexh. Marco Date	
Varning Clear Alert View Details							
Instance (B-SP13D-SQL)							
Server: B-SP13-D-N1							
	Time:	8/15/2018 7	:28 PM				
	Farm:	b-sp13-d-w	/fe1				
	Change: Remained Warring						

Information	Description
Alert severity	An icon indicating the severity level of the alert.
	The relative importance of the alert.
Priority	You can sort this column to group alerts by priority.
	The default value for Priority is 3, but you can change this value when you <u>edit alert thresholds</u> .
Change	The way that the alert reached the current level.
Time	The date and time when the alert was generated.
Alert	The name of the metric that generated the alert.
Farm / Group	The farm or Server Group where the selected server resides.
Server	The server the alert affects.
Instance	The instance that the alert affects. For some metrics, more than one instance of the source of the metric can exist for a given server or page.
Value	The actual value of the metric that is the source of the alert.

Viewing Alert Details

To view alert details:

In the Alerts view, select the alert whose details you want to view.

Now you can either:

• review the information in the Details section at the bottom of the pane (if available)

OR

• double-click the alert or right-click and choose **View alert details** to open the detail in a separate window.

The information that appears in the alert details can vary, depending on the metric to which the alert applies. The following information can appear in the alert details:

lert Deta	ails										2	x
×	Critica Page Lo	al bad Time	is High									Previous Next
	Page:	Records	and Ho	lds								
	Server:	QA2010	FARMVI	M2				Warr	ning Threshold	1,000 r	ms	
	Value:	87,226 n	15						al Threshold:	4,000 n	ns	
	Time:	6/19/201	4 9:40 A	M				Char	nge:	Raised	d from OK	
	Farm:	SharePo	oint 2010) intran	et							
— Met	ric History	y (Last 7	days) -					<u>4 ho</u>	urs – <u>24 hours</u>	- 7 days	s — <u>Hide Thre</u>	esholds —
							0		Minimum va	lue:	0 ms	
ω E	30000					/			Maximum va	alue:	87.226 ms	
S H S	30000								Average val	ue:	1.202 ms	
	0								Standard de	viation:	7.235 ms	
Note: Graph data has been smoothed to show averages while calculated values												
— Aler	t Informa	tion —								Edit Knov	vledge Base	Article -
SharePoint Server QA2010FARMVIM2 - The Page Load Time is 87,226 ms for page http://qa2010farmvm2:15250/sites/records Knowledge Base Article This metric is the time, in milliseconds, that it takes the specified page to load. If Metalogix Diagnostic Manager generates an alert for this metric, you should review the Monitored Pages view for the farm to determine which pages and components are the cause of the performance issues.												
Alert ID: 121408 Copy Show Page Details Edit Alert Thresholds Clear Alert Close												
Сору	S	ow Fage j			ar Alei	n mies	noius		Clear <u>Al</u> ert			use

Information	Description
Severity	The severity of the alert.
Metric	The type of condition that generated the alert.
Instance	The instance name, if any, that generated the alert. The instance appears only for applicable alerts.

Information	Description
Server	The server that generated the alert.
Value	The actual value of the metric that is the source of the alert.
Time	The time that an event generated the alert.
Farm	The SharePoint farm or Server Group that generated the alert.
Change	The change that the alert represents.
Page (if applicable)	The page for which the metric generated the alert. If the alert is for a server, then Metalogix Diagnostic Manager does not display a page.
Warning Threshold	When a metric value meets the specified threshold, Metalogix Diagnostic Manager creates an alert with the warning severity. You can edit your alert thresholds by clicking [Edit Alert Thresholds] . Metalogix Diagnostic Manager displays this button only if the alert threshold is editable.
Critical Threshold	When a metric value meets the specified threshold, Metalogix Diagnostic Manager creates an alert with the critical severity. You can edit your alert thresholds by clicking [Edit Alert Thresholds] . Metalogix Diagnostic Manager displays this button only if the alert threshold is editable.
Details	Details about the alert condition.
Comments	Any comments that you included in the alerts. You specify the comments to include when you define the alert condition.
Metric History	The history of the alert over a specified period. This information appears only for alerts containing a numeric component.
Alert Information	Information about the significance of the metric from the Metalogix Diagnostic Manager Knowledge Base. You can add custom information about the metric as it applies to your SharePoint farm by clicking [Edit Knowledge Base] . See also <u>Customizing the Knowledge Base</u> .

Clearing an Alert

If you clear a warning alert and the condition becomes more serious, Metalogix Diagnostic Manager generates a critical alert. If you clear a warning alert or a critical alert and the condition becomes less serious then becomes more serious again, Metalogix Diagnostic Manager generates a new warning or critical alert.

To clear alerts in any view:

In any view where an alert appears, select the alert or group of alerts (using the **[Ctrl]** key to multiselect), right-click then choose **Clear alerts**.

-1	Active Alerts (63)			
	Time	Alert	Farm / Group	Server
×	10/18/2017 5:49:16 PM	Page Unavailable	Boston Servers	QA2013FARM1
×	10/18/2017 5:48:29 PM	SQL Server Services Not Running	Boston Servers	QA2013FARM1
1	10/18/2017 5:48:29 PM	Disk Free Percent is Low	Boston Servers	QA2013FARM1
1	10/18/2017 5:48:29 PM	Disk Free Percent is Low	Boston Servers	QA2013FARM1
×	10/18/2017 5:48:22 PM	Memory Usage is High	qa2010farmvm3	QA2010FARMVM3
×	10/18/2017 5:48:22 PM	Redirector Sessions Hung is High	qa2010farmvm3	QA2010FARMVM3
ł	10/18/2017 5:48:22 PM	ASP Application Restarts is High	qa2010farmvm3	QA2010FARMVM3
×	10/18/2017 5:48:22 PM	Disk Free Percent is Low	qa2010farmvm3	QA2010FARMVM3
×	10/18/2017 5:48:22 PM	Disk Free Percent is Lo View alert o	details nvm3	QA2010FARMVM3
ł	10/18/2017 5:48:21 PM	Memory Usage is High Clear alerts	nvm3	QAHOSTCLIENT4
×	10/18/2017 5:48:21 PM	Processor Queue Leng	nvm3	QAHOSTCLIENT4
×	10/18/2017 5:48:13 PM	Application Pool Not Running	vers	QA2013FARM1

NOTE: While the alert is cleared, the metric it represents is treated as if it was OK when Metalogix Diagnostic Manager rolls up the metric into the status of a component. That is, no component can have a warning or critical status as a result of a cleared alert.

Editing Alert Thresholds

You can specify the conditions on monitored SharePoint farms, Server Groups, servers, and pages that trigger alerts. You can specify the type of alert generated and how Metalogix Diagnostic Manager responds to alerts. For certain alerts, you can choose to wait a specified period of time before Metalogix Diagnostic Manager raises the alert. Other alerts allow you to exclude certain server instances from the alert.

i NOTE: When you specify the alert settings, you can create Warning Alerts and Critical Alerts. The trigger for the Critical Alert is always more serious than the trigger for the Warning alert.

Note that for some alerts, a lower value is more serious than a higher value. These alerts include:

- Free Physical Memory (KB)
- Free Virtual Memory (KB)

- Disk Free Space (MB)
- Disk Free Percent (%)

Disk metrics include all mounted disks and mount points. For some metric types, you can exclude some data sources. For example, in some disk metrics, you can exclude volumes from the alerts. You can exclude items at the default level, or for individual objects in the farm.

Default Thresholds vs. Object-Specific Thresholds

Default alert thresholds are those that apply to all new farms, Server Groups, servers, and pages that are added to Metalogix Diagnostic Manager. Initially, these alert thresholds are specified for only the most common SharePoint needs. You can, however, change them to optimize Metalogix Diagnostic Manager for the needs of your environment.

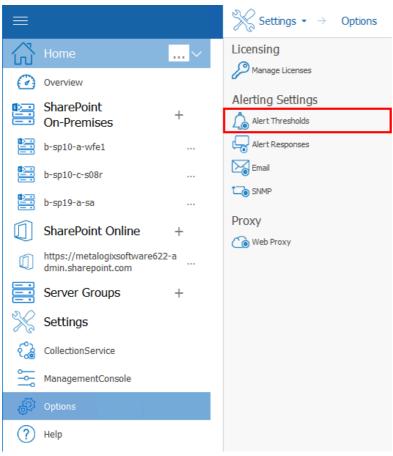
You can also set alert thresholds that are specific to individual objects, such as farms, servers, and monitored pages.

NOTE: Currently you can only set SharePoint-specific alert thresholds at the individual farm level. The option is disabled for Server Groups.

Excluding Server Instances from Alerts

Metalogix Diagnostic Manager allows you to exclude some server instances from alerting on some metrics. Currently, metrics that allow you to exclude are included in the Disk and SQL Server Database sections of the Alert Thresholds dialog box. The **Do not raise alerts for the following disks** and **Do not raise alerts for the following databases** options allow you to type the name of one or more disks or databases you do not want included in that alert.

To access these options, click on **Options** under the Settings portion of the left hand panel, and select **Alert Thresholds**.



To specify the conditions that trigger alerts

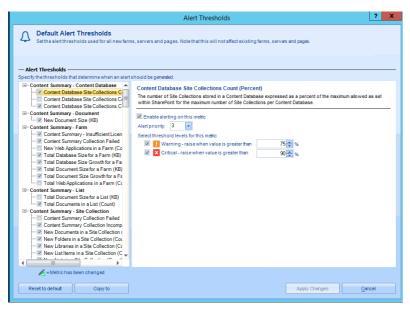
1. Use the information in the following table to determine the appropriate action to take.

If you want to set	Then
default (global) alert thresholds	In the Management Console ribbon, choose Options > Default Alert Thresholds.
alert thresholds for a specific farm	• From the Management Console tree, select the farm or the Content Summary node of the farm for which you want to set alert thresholds.
	Use one of the following options:
	right-click then choose Edit alert thresholds for Farm.
	 in the Content Summary section of the ribbon, choose Content > Edit alert thresholds for farm.
	 in the Farm section of the ribbon, choose Alerting > Edit Alert Thresholds for farm.

If you want to set	Then
alert thresholds for a specific server	 From the Management Console tree, select the server for which you want to set alert thresholds.
	Use one of the following options:
	right-click then choose Edit alert thresholds for Server.
	 in the Server section of the ribbon, choose Alerting > Edit Alert Thresholds.
alert thresholds for all monitored pages in a farm	• From the Management Console tree, expand the applicable farm's Monitored Pages node.
	Use one of the following options:
	 right-click then choose Edit alert thresholds
	 in the Monitored Pages section of the ribbon, choose Edit Alert Thresholds.

2. In the Alert Thresholds dialog box, select a metric that should trigger an alert. Make sure the box is checked, to enable editing.

Default Alert Thresholds dialog



Object-specific Alerts Thresholds dialog

Alert Thresholds	?	x
b-sp16-c-sa Farm alert thresholds		
Alert Thresholds		
 Content Summary - Content Databases Site Collections Count (Percent) Content Databases Site Collections Count (Percent) Content Database Site Collections Count (Percent) To number of Site Collections stored in a Content Database expressed as a percent of maximum allowed as set within SharePoint for the maximum number of Site Collections point in Site Collections count (Percent) Content Summary - Document Content Summary - Insufficient Licent Total Database Size Growth for a Fam (KB) Total Document Size for a Fam (KB) Total Document Size for a Fam (KB) Total Document Size for a List (KB) Content Summary - Site Collection Content Summary - Collection Failed 		_
Reset to default Save as default	iges	

- 3. Specify the conditions that trigger the alert.
- NOTE: If you change the **Alert priority**, you can sort the **Priority** column in the <u>Alerts view</u> according to relative importance.
- 4. If the alert lets you specify a waiting period, you can use the Raise alert after metric exceeds threshold field or the Raise alert after metric is in this state field to specify the number of minutes after the threshold has been exceeded before Metalogix Diagnostic Manager generates the alert.
- 5. If the alert lets you specify items to exclude, you can specify the objects to exclude in the **Do not raise alerts** field.

Use the format c: or c:\mount when specifying your disk or SQL Server database. Note that the instance name entered must match the instance name displayed in the alert. For example:

SQL Server: aadams\named

Database: master

Entry necessary to exclude: [aadams\named].master

Active Transactions (Count)						
Number of active transactions for a SQL Server database.						
Enable alerting on this metric						
Alert priority: 4	Alert priority: 4					
Select threshold levels for this metric:						
🗵 🚺 Warning - raise when value is greater than 🛛 1000 🚔						
🗵 🗙 Critical - raise when value is greater than	5000 🚖					
Raise alert after metric exceeds threshold for	0 🖨 min					
Do not raise alerts for the following databases: [aad	ams\named].master					

6. Use the information in the following table to determine the appropriate action to take.

If you want to	Then		
For Default (global) alert thresholds			
reset all alert thresholds to their initial status	click [Reset to default].		
select additional objects to which you want to apply some or all of the threshold settings	 Click [Copy To]. a) In the Select Target Objects dialog, check the objects to which you want to apply the thresholds (or check Select All Objects). NOTE: By default, default values for All Thresholds will be applied to the selected object. You can however, choose to apply Only changed Thresholds. 		
	Select Target Objects Select Al Objects Set Desp16-csa Select Al Objects Set Target Objects Select Target Objects Set Desp16-csa Select Target Objects Set Target Objects Set Target Objects		
For object-specific alert thresholds only	b) Click [Apply Changes].		
reset the object's thresholds to the global default thresholds	click [Reset to default] .		
set the global default thresholds to the object's current thresholds	click [Save as default] .		

7 Click [Apply Changes] to save the changes and close the dialog box

Configuring the Alert Responses

You can configure how Metalogix Diagnostic Manager responds to alerts. For example, when an alert threshold is met you can have Metalogix Diagnostic Manager

- send an email
- write an event log entry, and/or
- generate an SNMP trap.

You can set up a unique response to every alert condition or use the same response to the same change in more than one metric. You can also specify the objects to which the response applies.

Alert Response Emails

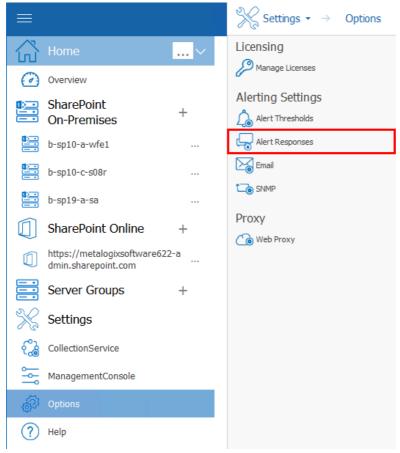
As of version 4.14, if you configure an alert response to send an email, the email will be sent with an importance that corresponds to the priority of the alert. That is:

- if the priority of the alert is 1 or 2, the email sent is High importance
- if the priority of the alert is 3, the email is sent as normal
- if the priority of the alert is 4 or 5, the email sent is low importance

If an email is sent for multiple alerts with varying priorities, its importance will correspond to the alert(s) with the highest-priority. (The priority of each individual alert will be included in the body of the email.)

To access the Alert Responses dialog:

In the Management Console left hand panel, select **Options**, and choose **Alert Responses**.



Now you can:

- add a new alert response
- clone an existing alert response
- edit an existing alert response
- enable/disable an alert response

Adding an Alert Response

To add an alert response:

1 In the Alert Responses dialog ribbon, choose Add Alert Response.

Alert Responses						
Add Alert Response Add Alert Response Response Response	Delete Alert Response Actions		Email SNMP Settings	Show Email Actions Show Event Log Action Show SNMP Actions Filter	15	
Alert Responses						
Name Server Performance Metrics Page Load Time Page Component Analysis SharePoint Content Summar	All All	Metrics Any serve Multiple r Multiple r Any conte	metrics	Alert Severity Raise Alert Raise Alert Raise Alert Raise Alert	Actions Event Log Event Log Event Log Event Log	
Alert Response Details (Server P	erformance Metrics)					*
Name: Server Performance Metrics Metrics: Description: A rule that handles dispatching of notification for server performance alerts. Any server metric Alert Severity: When severity is first raised to warning or critical Any server metric Actions: Write Event Log Scope: Any farm, server group, server, or page Any farm, server group, server, or page						
						<u>0</u> K

2 In the Add Alert Response dialog box, specify a Name for the alert response. You can also enter a Description for the alert response. The description is for your benefit. Metalogix Diagnostic Manager does not use the description that you enter. If you leave the Enable this alert response check box selected, the alert response is enabled.

	Add Alert Response	? X
Name:	Alert 1	
Description:	Severe Alert - critical state	
	Enable this alert response	

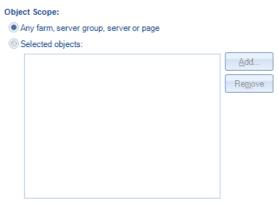
3 From the **Alert Severity** drop-down, select the condition that triggers the response.

Alert Severity:
When severity is first raised to warning or critical
When severity is first raised to warning or critical
Pe When severity is first raised to critical
∉ Every time severity is not OK
Every time severity is critical
Any time severity changes
When severity returns to OK
🛆 Page Unavailable

4 For **Performance Metric**, you can click **Any metric** if you want any metric to trigger the response. You can click Selected metrics and then click **[Edit]** to choose one or more metrics if you want a subset of the metrics to trigger the response.



5 For **Object Scope**, you can click **Any farm, server, or page** if you want any object to trigger the response. You can click **Selected objects** and then click **[Edit]** to choose one or more objects if you want a subset of the objects to trigger the response.



6 For **Response Actions**, select what happens when an alert triggers the response. You can select one or more of the following:



Send Email to, then specify one or more recipients (see also <u>Configuring e-mail Setting</u>)

CAUTION: Email settings are common across Metalogix Diagnostic Manager operations. For example, any changes made to email settings initiated from the Alert Responses dialog will also impact <u>Scheduled Reports</u>.

- Write Event Log Entry
- Generate SNMP Trap (see also <u>Configuring the SNMP Settings</u>)
- 7 Click **[OK]** to save the settings for the alert response.

Cloning an Alert Response

You can create a new alert response based on existing one using the **Clone Alert Response** option.

To clone an alert response:

- 1 In the Alert Responses dialog, click the alert response on which you want to base the new one.
- 2 In the ribbon, click the **Clone Alert Response** icon.

		Ale	ert Responses			?
Add Alert Response	Delete Alert Response Actions		Email SNMP Settings	Show Email Actions Show Event Log Action Show SNMP Actions Filter	S	
lert Responses						
Name	Scope	Metrics		Alert Severity	Actions	
Server Performance Metrics	All	Any server r	metric	Raise Alert	Event Log	
Page Load Time Page Component Analysis	All All	Multiple me Multiple me			Event Log Event Log	
SharePoint Content Summar	All		summary metri		Event Log	
lert Response Details (Server P	erformance Metrics)					
ame: Server Performance Metrics escription: A rule that handles disp lerts. Jert Severity: When severity is first ctions: Write Event Log	-		Metrics: e Any server r	metric		
cope: .ny farm, server group, server, or pa	ige					

- 3 Enter a new **Name** for the alert response. (By default, the name of a cloned alert response is the same as that of the existing one with "- Copy" appended to the end of the name.)
- 4 Edit the remaining fields in the dialog as needed.
- 5 Click **[OK]** to save the new alert response and close the dialog.

Customizing the Knowledge Base

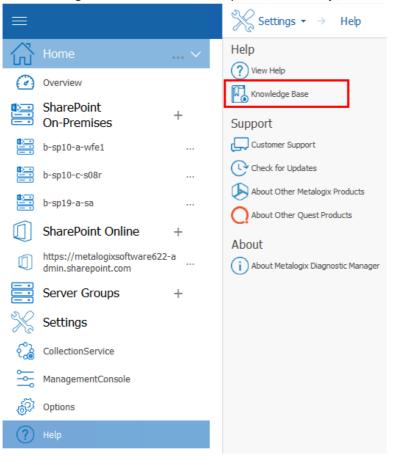
Metalogix Diagnostic Manager includes a Knowledge Base with information about each of the individual metrics that it can track for the servers and pages in your SharePoint farm. When Metalogix Diagnostic Manager generates an alert, it includes the text of the Knowledge Base article.

The Knowledge Base article includes information about each metric. You can also add a custom article to the Knowledge Base for each metric. As with the built-in Knowledge Base, this custom article is included in each Alert generated for the metric. The custom article is included when an Alert is sent via email or as a Simple Network Management Protocol (SNMP) trap.

You can use the custom Knowledge Base article to specify information about your particular SharePoint environment and how alerts should be handled.

To access a Metric Knowledge Base article

- 1 Use one of the following options:
 - In the Management Console left hand panel, select **Help**, and then select **Knowledge Base**.

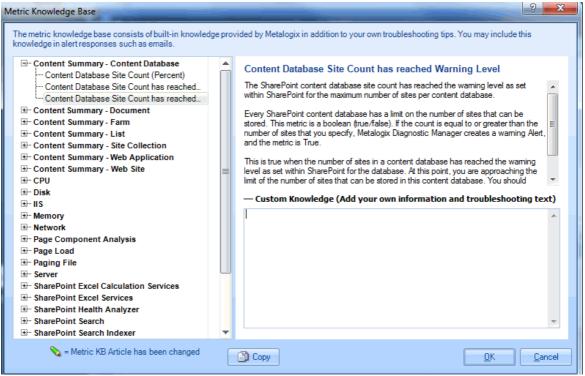


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 In the Alert Details dialog box for a specific alert (see "<u>Viewing Alerts</u>"), click the Edit Knowledge Base Article hyperlink.

Alert Details		? X
	/arning	Previous
Pr	ocessor Interrupts per Second is	High Next
Instance:	_Total	Warning Threshold: 10,000
Server:	B-SP10-C-S08R	Critical Threshold: 90,000
Value:	11,658	
Time:	8/26/2019 1:24 PM	
Farm:	b-sp10-a-wfe1	
Change:	Remained Warning	
– Metric Hist	ory (last 4 hours) ———	4 hours = <u>24 hours</u> = <u>7 days</u> = <u>Hide Thresholds</u>
80000		Minimum value: 9,544
		Maximum value: 12,233
60000		Average value: 11,334
40000		Standard deviation: 620
20000		
20000		0.0000000000
0		• • • • • • • • • • • • • • • • • • • •
09:30	10:00 10:30 11:00 11:30 12	:00 12:30 13:00
- Alert Inform	mation —	Edit Knowledge Base Article
Server B-SP10	0-C-S08R - The operating system	processor interrupts per second is 11,658.
	Base Article	
This metric me	easures the number of processor	
		should evaluate your overall SharePoint architecture. Consistently high
		additional CPUs. It can also indicate a need to move one or more CPU- eed to add additional servers to better balance server loading.
Intensive proc	esses to another server, or the r	eed to add additional servers to better balance server loading.
	so review any non-SharePoint pro rnate servers.	cesses on the server to determine which processes can be minimized or
		~
		appositic Managor was not able to collect this matric. This could bappon
Alert ID: 1716	27	
	Show Server Details	dit Alert Thresholds Clear Alert Close

2 In the Metric Knowledge Base dialog, select the metric whose Knowledge Base article you want to customize. You can click the plus (+) symbol beside a metric group to expand it.



To customize the Knowledge Base:

- 1 In the **Custom Knowledge** field, type or paste the information that you want to include in the custom Knowledge Base article.
- 2 Click **[OK]** to close the dialog box and save the changes.

To copy a Metric Knowledge Base article to the clipboard:

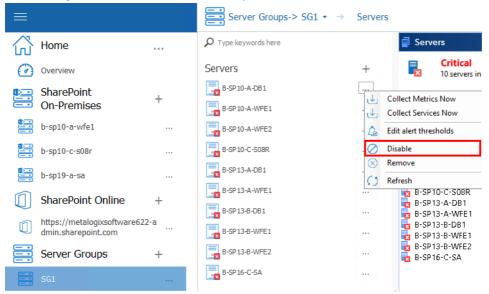
- 1 Select the metric whose Knowledge Base article you want to copy.
- 2 Click [Copy].

Stopping Alerts During Maintenance Mode

To stop alerts during maintenance mode, you must disable monitoring of the respective server and the alerts for that server are automatically stopped.

To disable monitoring of a server:

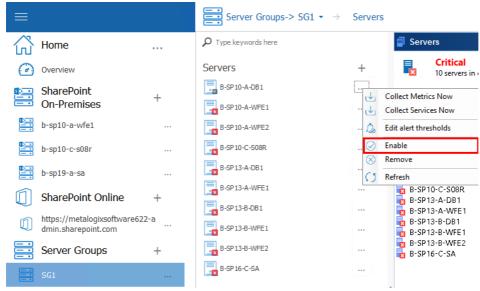
In the multiple servers view, select the (...) next to the server(s) for which you want to disable monitoring. Select **Disable** from the drop down menu.



When a server is disabled, all alerts related to this server are automatically stopped.

To enable monitoring of a disabled server:

In the multiple servers view, select the (...) next to the server(s) for which you want to enable monitoring. Select **Enable** from the drop down menu.



The Management Console enables data collection for the server. When the disabled server is enabled, the respective alerts are reinstated.

Viewing and Reporting on the Performance of SharePoint Farms, Server Group, and Office 365 Tenants

Metalogix Diagnostic Manager lets you view and report on the availability of your SharePoint farms, the servers in SharePoint farms and Server Groups, and the web pages in the SharePoint sites, as well as public and Cloud Services web pages. You can view the status of individual farms, servers, or pages, locate performance issues, and correct them.

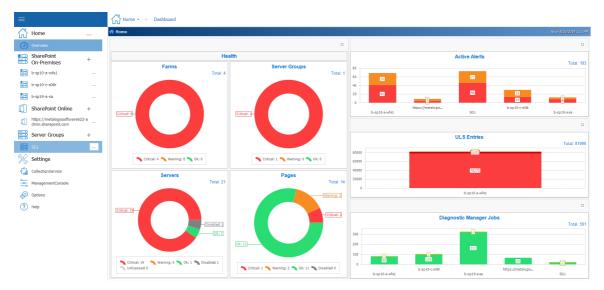
For Office 365 tenants, you can view the latest status of Office 365 services and their features.

Viewing Dashboards and Overviews

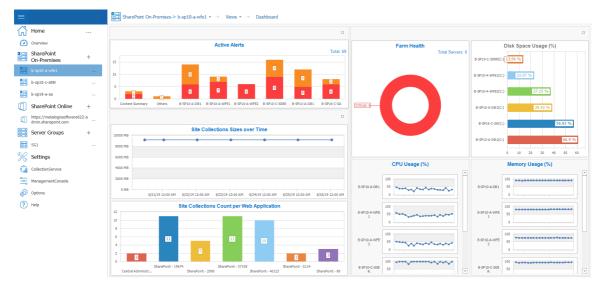
When you select the top node of a monitored SharePoint farm, Server Group, or O365 tenant, a default dashboard displays, which provides a graphical representations of the environment's overall health and various key metrics.

NOTE: You can also return to the dashboard from another location by choosing Home > Overview.

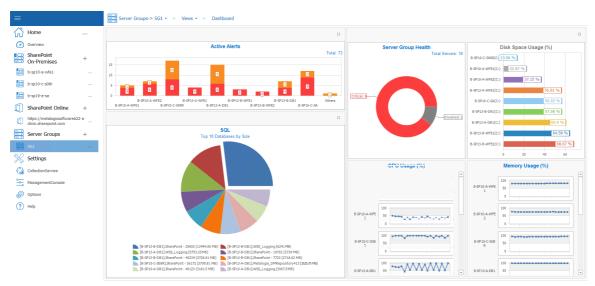
Default Home Page Dashboard



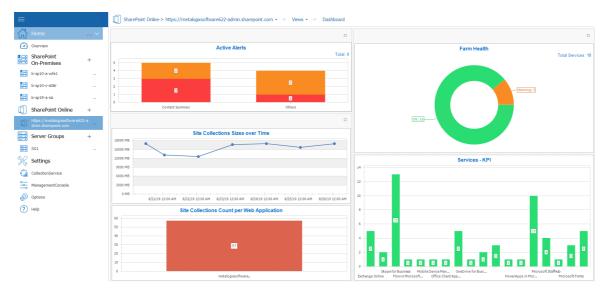
Default On Premises SharePoint Farm Dashboard



Default Server Group Dashboard



Default 0365 Tenant Dashboard



You can double-click on a statistic within a widget to drill down to more detail about the underlying data set.

gnos refr	tic Manager Jobs esh Last refresh was 1m 5s ago						
ETAI	L		STATE	LAST SCHEDULED	LAST STARTED	LAST ENDED 73	
٥	Gather Site Data		Completed		05/08/2018 01:00:59.580	05/08/2018 0	
۰	Gather Topology Remotely		Completed	05/09/2018 11:22	05/08/2018 11:22:00.820	05/08/2018 1	
۰	Gather 0365 Service status		Completed	05/08/2018 14:48	05/08/2018 14:33:11.263	05/08/2018 1 SharePoint 2	
						>	
_					Diagnostic Mana	ger Jobs	
		150 -			<		Т
					\mathbf{i}		
		120					
		90					
		60					140
		30					
			2			16	
	ical: 0 🦴 Warning: 0 🛰 Ok: 0 🛰 Disabled: 0	0	Boston Serve		0365 Tenant	SharePoint 2010 intranet ShareF	

For a more detailed overview, including a list of all <u>monitored pages</u> and <u>active alerts</u>, double click the SharePoint on-premises farm or sharepoint online farm. Click on the farm name, select **Views**, and then click views and select **Overview**.

						-0	2	3						
Home		b-sp1	0-a-wfe1 Crit			-	-	-						
				rvers in critical state	Se	rvers ritical: 6	- OK: 0	Pages	De OK: 3					
Overview		-	All pa	ages are OK		Varning: 0	B OK: 0	Warning: 0	Disabled: 0					
SharePoint	+	-		tent summary critical alerts er Enterprise 2010 SP2			Distance. v		-10					
On-Premises			14.0.7015.		Тур	e Applications			Currer 7*	t l	Yesterday 7*	7 di	ys ago	30 days ago
b-sp10-a-wfe1		Create	d: 6/13/20	14 2:26 PM		Collections			44*		44*		0	8
		Conter	of Databar	es: 6.76 GB		Sites			77*		77*		0	0
b-sp10-c-s08r		Docum	nents: 8.95	GB	Mon	aged Paths			16*		16*		0	0
		Docum	nent Versi	ons: 868.17 KB	Con	tent Databases			8*		8*		0	0
b-sp19-a-sa			uration Da		List				1464		1464*		0	0
-		(B-SI	P10-A-DB	1].SharePoint_Confg	List				30206		30206*		0	0
	+ ~		Adminis		Libr				649* 1681		649* 1681*		0	0
~		http:	//b-sp10-a	a-wfe1:1000/		ers unents			1681-		1681* 17942*		0	0
https://metalogixsoftw dmin.sharepoint.com	are622-a	Storag	ePoint Ve	rsion: <u>5.9.0.51</u>		ument Versions			67		67		0	0
Server Groups	+				Farr	n Topology: 8/2	6/2019 11:28 AM							Content Summary: 8/26
5G1		Act	tive Aleri	ts (64)										
301			Priority	Change	Time			Alert		Server		Instance	Value	
Settings		×	3	No change	8/26/2019 1:5	8:32 PM		Windows Service Not P	tunning	B-SP10-A-WFE1		Microsoft .NET Framework NGEN v4.0.303	19_X64	
Berninge		×	3	No change	8/26/2019 1:5	8:32 PM		Windows Service Not P	tunning	B-SP10-A-WFE1		Microsoft .NET Framework NGEN v4.0.303	19_X86	
CollectionService		×	3	No change	8/26/2019 1:5	8:28 PM		Windows Service Not P	tunning	B-SP10-A-WFE2		Software Protection		
_		×	3	No change	8/26/2019 1:5	8:16 PM		Windows Service Not P	tunning	B-SP10-A-WFE2		Microsoft .NET Framework NGEN v4.0.303	19_X64	
ManagementConsole		×	3	No change	8/26/2019 1:5	8:15 PM		Windows Service Not P	kunning	B-SP10-A-WFE2		Microsoft .NET Framework NGEN v4.0.303	19 X86	
S		×	3	No change	8/26/2019 1:5	8:12 PM		Windows Service Not P		B-SP10-A-WFE2		Application Experience		
Options		×	3	No change	8/25/2019 1:5			Windows Service Not P		8-SP10-A-D81		Software Protection		
7 Help		X	3	No change	8/26/2019 1:5			Windows Service Not F		8-SP10-A-D81		Shell Hardware Detection		
0		X	3	No change	8/26/2019 1:5			Windows Service Not P		B-SP10-A-D81		Microsoft .NET Framework NGEN v4.0.303	19 Y64	
			2	No change	8/26/2019 1:5			Windows Service Not P		B-SP10-A-DB1		Microsoft .NET Framework NGEN v4.0.303		
		X		No change	8/26/2019 1:5			Memory Usage is High		B-SP16-C-SA		Total	94.69%	
			-							B-SP16-C-SA		-	12	
		_	3	No change	8/26/2019 1:5			Processor Queue Leng				_Total		
		×	3	1 Raised	8/26/2019 1:5			Memory Pages Per Sec		B-SP16-C-SA		_Total	1080.33	
		×	3	No change	8/26/2019 1:5	6:44 PM		Memory Usage is High		B-SP10-C-S08R		_Total	94.68%	
			3	No change	8/25/2019 1:5	6:43 PM		Network Bytes Total P	er Second is High	8-SP10-C-S08R		Microsoft Hyper-V Network Adapter _2	1129985.38	
		×	3	No change	8/26/2019 1:5	6:43 PM		Processor Queue Leng	th is High	B-SP10-C-S08R		_Total	10	

Customizing Dashboards

You can customize the dashboards that display on the home page and for each SharePoint farm, Server Group, and O365 tenant. You can also create additional custom dashboards.

i NOTE: created, additional dashboards can be selected from the **Saved Dashboards** drop-down.

To customize a dashboard:

1. From the **Overview** tab select the pencil 'edit' symbol (Home, SharePoint farm, Server Group, or O365 tenant).

≡	Home \bullet → Dashboard
Home	💏 Home

Now you can:

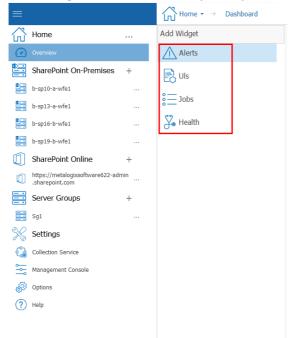
• click the X in the upper right corner of a widget to remove it from the dashboard



• drag and drop to reposition or resize a widget

	Ξ×												
		Active Alerts											
irver Groups	Total: 0	1 0.8 0.6 0.4 0.2 0 0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9		
6								□ ×					
			ULS Ent	ries				Total: O					

• add a widget from the left hand pane by double clicking on it.



When you finish editing, you can **Save** the changes to the dashboard, **Save As** a new dashboard, or **Discard Changes**.

	Home \star \rightarrow Dashboard
Home	Add Widget
🕜 Overview	Alerts
SharePoint On-Premises +	🔍 Uls
b-sp10-a-wfe1	·
b-sp13-a-wfe1	Jobs
b-sp16-b-wfe1	🏂 Health
b-sp19-b-wfe1	
SharePoint Online +	
https://metalogixsoftware622-admin	
Server Groups +	
📑 Sg1	
💥 Settings	
Collection Service	
Management Console	
Ø Options	
Help	
	Save Save As

Viewing the Status of Office 365 Services

If your Metalogix Diagnostic Manager deployment includes one or more Office 365 tenants, you can view the latest status of Office 365 services and their features.

NOTE:

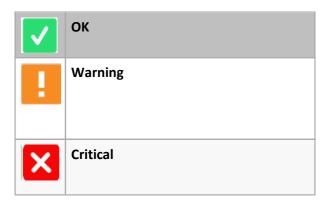
- Metalogix Diagnostic Manager retrieves server status according to the schedule specified on the <u>Collection Service Options Office365</u> tab (which is every 15 minutes by default). You can also force the Collection Service to update status information immediately.
- If you want to monitor O365 services on a machine without Internet access, you can <u>configure</u> <u>web proxy settings</u>.

To view the health of Office 365 Services:

1. In the Management Console tree, select the node the Office 365 tenant whose health you want to view. Once it opens in the viewing pane, select the name of the tenant, select **Services**.

=		SharePoint Online-	🗊 SharePoint Online-> https://metalogixsoftware622-admin.sharepoint.com 🔹 🔶 Views 🔹 🤟 Dashboard										
Home	~												
Overview		Views	Services	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports					
SharePoint On-Premises	+]									

Tiles representing all of the active services in your Office 365 tenancy display, along with one of the following status icons:



The right bottom corner of the tile provides a brief description of the current status.

=			SharePoint Online-> https://metak	ogixsoftware622-admin.sharepoint.com	→ Services		
命	Home	~	Services Health				As of 8/27/2019 2:09 PM
Ø	Overview						Last Collected: 8/27/2019 1:59 PM
	SharePoint On-Premises	+	Exchange Online	Microsoft Forms	Microsoft Kaizala	Skype for Business	Flow in Microsoft 365
			Normal Service	Normal Service	Normal Service	Service Restored	Normal Service
	b-sp10-c-s08r		Microsoft Teams	Mobile Device Management for	Office Client Applications	Office for the web	OneDrive for Business
	b-sp19-a-sa		Normal Service	Office 365 Normal Service	Normal Service	Normal Service	Normal Service
	SharePoint Online https://metalogixsoftware622	+	Identity Service	Office 365 Portal	Planner	PowerApps in Microsoft 365	SharePoint Online
Ũ	dmin.sharepoint.com		Normal Service	Service Degradation	Normal Service	Normal Service	Service Degradation
	Server Groups	+	Microsoft StaffHub	Yammer			
	SG1			Enterprise Enterprise			
×	Settings		Normal Service	Normal Service			
62	CollectionService						
*	ManagementConsole						
P	Options						
?	Help						

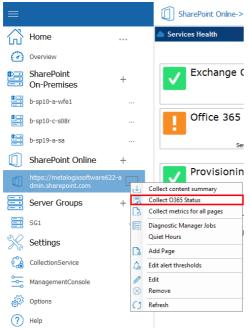
2. To view the status of a service's features, click on the service tile.

If you select a feature with a status of **Warning** or **Critical**, **Latest description** text provides additional information.

Exchange Online	Skype for Business	Microsoft Teams	Mobile Device Management for Office 365
Normal Service	Service Degradation	Service Degradation	Normal Service
OneDrive for Business	Identity Service	Office 365 Portal	✓ Planner
Normal Service	Normal Service	Service Degradation	Normal Service
SharePoint Online	Microsoft StaffHub	Sway	Yammer Enterprise
Normal Service	Normal Service	Normal Service	Normal Service
Teams Components			
service Degradation			
			Quality Dashboard.More info: Initial reports indicate irce of the issue.Scope of impact: All admins may be

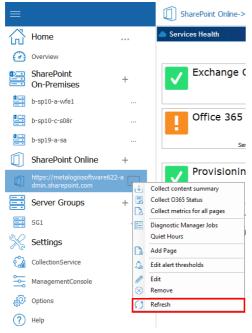
To collect Service status data immediately:

From the Management Console tree, select the Services node, click the (...) next to the name, and choose **Collect Farm O365 status**.



To refresh displayed Service status data in the Management Console:

From the Management Console tree, select the Services node, click the (...) next to the name, and choose **Refresh**.

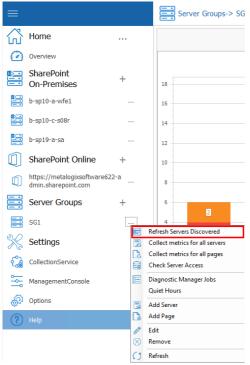


Refreshing Server Group Properties

The Metalogix Diagnostic Manager Collection Service automatically refreshes the properties of a Server Group. By default, this data is collected every 24 hours, at the same time Farm Topology is refreshed. You can also force the Collection Service to refresh the properties of servers in the group at any time to reflect any changes have been made since the last data collection (for example, a SQL server instance has been added or removed).

To refresh Server Group properties:

1. In the Management Console tree, select the Server Group whose properties you want to refresh, select (...) and **Refresh Servers Discovered**.

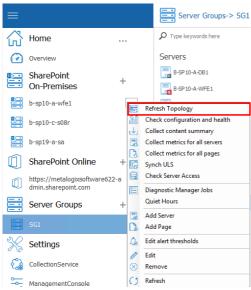


Refreshing Topology

The Metalogix Diagnostic Manager Collection Service automatically refreshes its list of servers and other topology data within a SharePoint farm. By default, this data is collected every 24 hours. You can also force the Collection Service to refresh this data immediately if you choose.

To refresh topology for a single SharePoint farm immediately:

- 1. In the Management Console tree, select a farm or its servers node for the farm whose topology you want to refresh,
- 2. Click the (...) next to the farm or server name, and select **Refresh Topology** from the drop down menu.

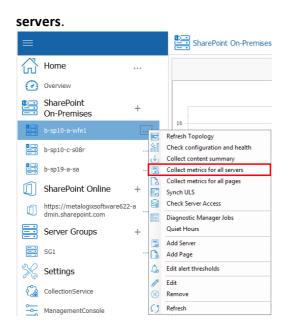


Collecting Metrics for All Servers or Pages Immediately

Normally, Metalogix Diagnostic Manager collects server metrics from the servers that make up your SharePoint farm or Server Group on a schedule you specify (see <u>Setting the Collection Service</u> <u>Options</u>). If necessary, you can also collect the metrics immediately.

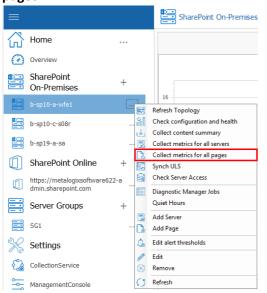
To collect server metrics in real time:

1. In the Management Console tree, select the farm or Server Group from which you want to collect metrics and click the (...) next to its name. Select **Collect Metrics for all Farm** (or **Server Group**)



To collect monitored page metrics in real time:

1 In the Management Console tree, select the farm or Server Group for which you want to collect page metrics, click the (...) next to it, and select **Collect metrics for all farm** (or **Server Group**) **pages**.



Viewing Server Detail

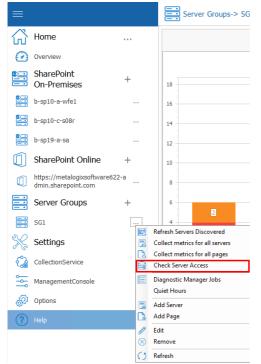
You can use Metalogix Diagnostic Manager to view the status of <u>all servers</u> or <u>individuals servers</u>, within a farm or Server Group, as well as <u>customize the graphical view of server data</u>.

Checking Server Access

If you are experiencing issues with data collection, you can check that the account(s) used for data collection have the appropriate access and permissions to all servers in the farm using the **Check Server Access** feature.

To check server access:

- 1 In the Management Console tree, select the farm or Server Group whose server access you want to check.
- 2 Select the (...) next to the farm or server group, and select **Check Server Access** from the drop down menu.



Metalogix Diagnostic Manager performs the following checks:

- For a farm Topology server, access to the Config database connection string
- For each server in the farm:
 - WMI access to
 - Windows Registry, and
 - Windows Services
- access to the master database of each SQL Server instance.

	_				-	
Chee	ck S	Server Access				×
	Sei	rver Name: 2010foundation				
		Check Type: WMI				
	~	Get Config database connection string				
	Sei	rver Name: 2010Foundation				
	.4	Check Type: SQL				
	~	Master database access		Instance: 201	0Foundation	
	.4	Check Type: WMI				
	✓	Registry access				
	~	Get services				
	Sei	rver Name: bellumpdc				
	.4	Check Type: WMI				
	v	Registry access				
	~	Get services				
	Sei	rver Name: qa2013foundatio				
	-4	Check Type: SQL				
	v	Master database access		Instance: QA	2013FOUNDATIO	
		Check Type: WMI				
	✓	Registry access				
	V	Get services				
			Convi	o Clipboard	Run Checks Again	Close
			Сору	o Cipboard	Kuri Checks Again	Ciose

If the account fails any of the server access and permissions checks, you can fix the issue on the affected server(s) then **[Run Checks Again]**.

Viewing the Status of All the Servers in a Farm or Server Group

In the Servers view, Metalogix Diagnostic Manager provides a summary of the status of the servers that make up the farm, Server Group, or selected SQL Server Cluster Virtual Server. Metalogix Diagnostic Manager also provides for each server within the farm, Server Group, or virtual server:

- Server name
- Server type, such as physical or virtual
- Server status
- Number of critical alerts and warning alerts triggered from that server
- Status of the subsystems on that server

If you select a single farm, Metalogix Diagnostic Manager displays the following additional information:

- Information about the selected farm or Server Group, including the number of active alerts
- The servers configured as Web front end (WFE) servers.

To view the status of all of the servers in a farm, Server Group, or virtual server:

- 1. In the Management Console left hand pane, select the farm or Server Group whose servers you want to view. This will open the overview for that farm or server.
- 2. Select the farm or server name on top of the overview pane, and select Servers.

=		SharePoint On-Pr	remises-> b-sp19-a-sa \star \rightarrow	Servers					
Home	~			-					
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🙏 Alerts	Reports
SharePoint On-Premises	+			-					

The multiple servers view lets you do the following:

≡		SharePoint On-Premise	es-> b-sp19-a-sa	• \rightarrow Servers						
Home	~	P Type keywords here		Servers						
Overview		Servers	+	Critical 2 servers in critica	al state	— Server Status — Critical:	2	- Farm Information	b-sp19-a-sa	
SharePoint On-Premises	+	B-SP19-A-SA		Collect Metrics Now Collect Services Now		🚹 Warning: 🛃 ОК: 🚮 Disabled:	0 0 0	Active Server Alerts Web Front Ends: SQL Server Hosts:	10 1	
b-sp10-a-wfe1			4	Edit alert thresholds		- Unlicensed:	0			
b-sp10-c-s08r				Disable	Type Virtual	WFE Status Critical	Criti War		QL SharePo	Pages
b-sp19-a-sa			()	Refresh	Virtual	Critical	5 2		×	•

- Refresh the server list.
- Add a server.
- Disable a server.
- Enable a disabled server.
- View server details.

If you are viewing all of the servers in a farm or Server Group, you can also do the following:

- Refresh the <u>farm topology</u> or <u>"Servers Discovered" properties</u>.
- View the active alerts for the farm or Server Group.
- Force immediate collection of the server metrics.

To refresh the server list:

Select the (...) next to the server you wish to refresh, and click **Refresh**.

=		SharePoint On-Premis	es-> b-sp19-a-sa	$\bullet \bullet \to $ Servers
Home	~	\wp Type keywords here		
Overview		Servers	+	Critical 2 servers in cr
SharePoint On-Premises	+	B-SP19-A-SA		Collect Metrics Now Collect Services Now
b-sp10-a-wfe1			4	Edit alert thresholds
b-sp10-c-s08r			\oslash	Disable
b-sp19-a-sa			0	Refresh

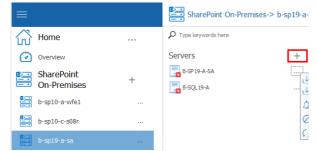
87

The Management Console refreshes the multiple servers view with the most recent information about the server status and alerts.

i NOTE: When you refresh the multiple servers view, only the servers for the selected farm, Server Group, or virtual server are refreshed.

To add a server to monitor:

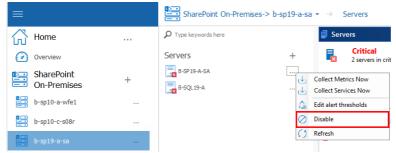
1. In the Servers section of the screen, choose + next to "Server" to add a new server.



- 2. In the Servers dialog box, enter the name of the server to add, then click [OK].
- NOTE: Metalogix Diagnostic Manager uses the credentials of the account that was specified for data collection at the farm/Server Group level.

To disable data collection for a server:

- 1. In the multiple servers view, select the server you want to disable (see <u>Temporarily Suspending</u> <u>Data Collection</u>).
- 2. Select the (...) next to the server name, and select Disable from the drop down list.

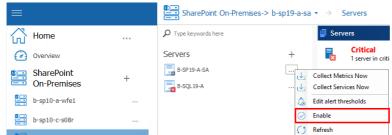


You will be prompted to confirm the action before continuing.

To enable data collection for a disabled server:

1. In the multiple servers view, select the disabled server you want to enable.

2. Select the (...) next to the server name, and select Enable from the drop down list.



The Management Console enables data collection for the server.

To view the details of a server:

- 1. In the multiple servers view, select the server whose details you want to view.
- 2. Select the server name on top of the overview pane and select Details.

≡		Server Groups-> SG1	\bullet \rightarrow Servers -> B-SP	13-B-WFE2 ▼ → Overvie	ew		
Home	~						
Overview		Overview	Details	Resources	Web Web	Pages	Alerts
SharePoint On-Premises	+						

Stopping and Starting Application Pools

You can stop and start application pools for a monitored server as long as the Collection Service is installed on a machine that has IIS installed and the Collection Service account has local administrator privileges.

To stop or start an application pool:

- 1. From the Management Console, open the servers for the farm or server group that contains the server that contains the application pool you want to stop or start.
- 2. Select the server that contains the application pool you want to stop or start, then click on its name above the overview pane, and select **Web** from the ribbon.

≡		SharePoint On-Pre	mises-> b-sp10-a-wfe1 •	→ Servers -> B-SP10-A-	WFE1 \bullet Overview			
Home	~					_		
Overview		Overview	Details	Resources	Web Web	5 SharePoint	Pages	Alerts
SharePoint On-Premises	+ ~							
b-sp10-a-wfe1		B-SP10-A-WFE2		Warning: 1 Critical: 8	85			

3. Select Application Pools from the top top pane.

≡	SharePoint On-P	remises-> b-sp10-a-	wfe1 \star \rightarrow Servers	s -> B-SP10-A-WFE1 \star \rightarrow	Web 🔹
Home Overview CharaPoint	Es IIS	Web Services	Application Pools]	

4. Select the application pool you wish to start or stop, right-click and choose **Start Application Pool** or **Stop Application Pool**.

Viewing the Status of Individual Servers in a Farm or Server Group

You can use Metalogix Diagnostic Manager to view the status of each of the servers that make up your SharePoint farm or Server Group. The Server Overview displays the status of the components that the server hosts, including Internet Information Server (IIS) components.

Metalogix Diagnostic Manager provides the following information in the Server Overview view:

- the total number of warning and critical Active Alerts for the selected server
- the Status by Area for each server component that Metalogix Diagnostic Manager monitors.
- **Configuration** data, which includes information about the operating system, processors, memory, and other software installed on the selected server. This area also displays whether the server is a physical or virtual server.
- A graphical view of Recent Trends for the selected server
- Overall metrics for Resources, SQL Server, SharePoint, and Network/ IIS / Web Services

When Server Data is Collected

The Metalogix Diagnostic Manager Collection Service retrieves data from a server on a schedule that you specify in the <u>Collection Service Options dialog</u>. By default, the Collection Service retrieves data every six minutes.

Viewing the Server Dashboard

To view the Server Dashboard

1 In the Management Console select the farm or server group that contains the server dashboard you want to view. Select its name above the viewing pane, and select **Servers**.



2 Double click the name of the server you want to view, this will bring up the Overview Dashboard.

	SharePoint On-Premises-	> b-sp00-a wfe	t + ⇒ Servers > B-SP30-A-08	L = -> Overview	0
Home	D Tgin keynicik here		Server Status	Recent T	
Overview	Servers	+	Critical As of BORDOVID 12 33 PM	CPU Base Ch	100 Minimary Balage (%)
SharePoint + ~	POPULACE1			8	
	SPIE A WICI		Allve die to Ven	9	9
a-goola-whet			Creat 6	6	
bapt0-c-stilr	a area c sam		Daha by Jama		
bepthem -	B-0213-4-081		Feedurose SGL Server	n	п
	B B B B C GA		Contractor	7	7
SharePoint Online +			Vitual Server Manufacturer Monesall Corporation	65	8
https://welologisoftware522-e			Virtual Server Manufacturer Microsoft Corporation Microsoft Virtual Machine Microsoft Windows Server 2008 R2 Stendard (8.1.7981 SP1)		- 00 -
Server Groups +			Physical Processors: 1	55	5
			Physical Processors: 1 Logical Processors: 4 Tailel Physical Memory: 8.00 GB Tailel Visited Memory: 18.00 GB		8
961			Table Volumi Mensory, 15:00 GB		
Settings				-	8
Collectordenice				8	8
ManagementConsale				3	3
				-	8
Options					22
) Help					- n.
				·	- 0 -
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				Researces	SQL Server
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				Multiple entries are not DK	Butps metros are not 04
				CPU CPU sage: to Drs Gone trugh: 1.0	Transactions tear connections 15 dm
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				David Longin 0.00	
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				Dytes Accesses Bytes Accesses	17 Palla

Server Component Status Information

When you view the Server Dashboard, the Management Console lists the components that make up the selected server. The components that appear vary, depending on the services on the server that you select. Depending on the selected server, some or all of the following items appear:

Information	Description
CPU Usage (%)	A graph of the CPU usage.
Memory Usage (%)	A graph of the memory utilization on the server.
ASP App Requests	A graph of the ASP App Requests for the server. This graph only appears if the server hosts IIS components.
Resources	Lists information about the CPU, memory, and disk space metrics on the selected server. Disk metrics include all mounted disks and mount points.
SharePoint	In the case of a SharePoint farm, lists information about the SharePoint server role. If the server hosts any monitored pages, this includes information about the Monitored Pages.
Network/IIS Web Services	The name of this item varies. If the selected server hosts IIS, the item is Network/IIS/Web Services. If the selected server does not host IIS, the item name is Network. The item summarizes the network and IIS metrics.

Each item lists relevant metrics and includes one or more status buttons. The status buttons roll up multiple metrics into a single status for rapid review.

Metalogix[®] Diagnostic Manager User Guide

You can click any metric or any status button for more details.

When you click a metric, you can review information about the metric. You can also link to the metric details and edit the alert threshold of the selected metric for the selected server.

When you click a status button, you can review the metric or metrics that make up the status. You can use the dialog box that appears to view the metric details or to edit the metric alert threshold.

The recent trend graphics show the previous two hours of performance data. To refresh these graphics the dashboard must be refreshed via the <u>Management Console Preferences dialog</u>.

Viewing Server Resource Graphs

The Resources tab of the Server view lets you review the CPU, memory, disk space, and network status of the selected server. The data appears in graphical format, letting you easily review the status of the server and see patterns in your server behavior. Disk metrics include all mounted disks and mount points.

You can also <u>view the status and properties of all of the Windows Services</u> on the server as well as <u>start and stop these Services</u>.

When you select the Resources tab, you can select the amount of time represented by each graph. You can also choose to display current data or historical data from a time that you specify. When the Management Console displays the graph, it averages the data in the graph. The time period used for the average depends on the duration that the graph represents.

When data is collected for the server

The Metalogix Diagnostic Manager Collection Service retrieves data from a server on a schedule that you specify in the <u>Collection Service Options</u> dialog. By default, the Collection Service retrieves this data every six minutes.

To view Server Resource graphs:

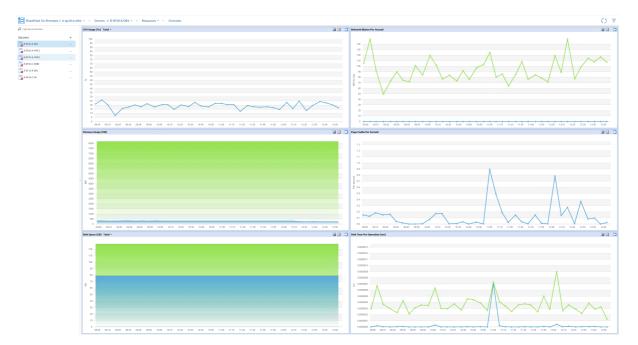
Select the server so that it is displayed in the overview pane. Select its name, above the overview pane, and select **Resources** from the dropdown panel.

=		SharePoint On-Premi	ses-> b-sp10-a-wfe1 🔹 –	Servers -> B-SP10-A-D	B1 • \rightarrow Overview	
Home Overview	~	Overview	Details	Resources	SQL Server	Alerts
SharePoint On-Premises b-sp10-a-wfe1	+	B-SP 10-A-WFE1		Varning: 6 Critical: 6	85	

Available Resource Graphs:

Selecting **Resources** allows you to choose the following resource views from the drop down panel.

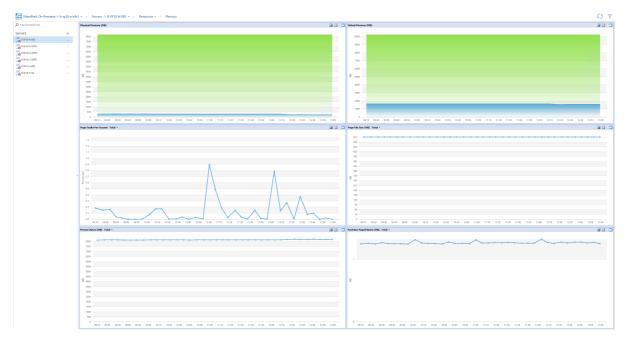
• **Overview**: A high-level overview of the most important server components.



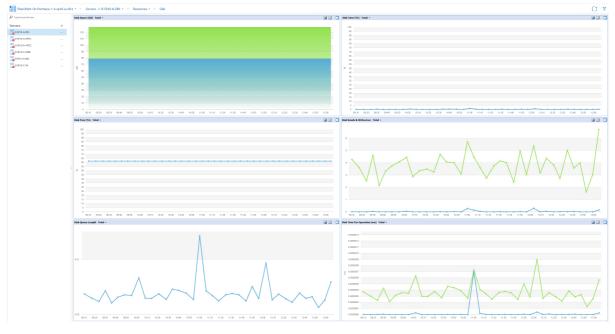
• CPU: Information about the CPU for the selected server.



• Memory: Information about memory usage on the selected server



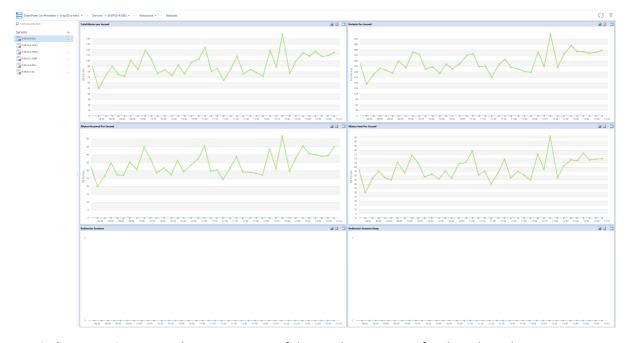
• **Disk**: Information about the Disk usage on the selected server.



• Page File: Information about the page files in use on the selected server.



• Network: Information about the network usage for the selected server.



• Windows Services: provides an overview of the windows services for the selected server.

re keywords here		Windows Services					
		Rarae	Description	Status	Start Hade	Log On As	UpTime
975	+	🚱 nedagan	Haintains a secure channel between this computer and the domain controller for authenticating users and services.	Running	Auto	Lacal System	s4-days, 9 hours
P30-A-081		Security Accounts Nanager	The startup of this service signals other services that the Security Accounts Manager (SAV) is ready to accept requ.	Running	Auto	Local System	14-days, 9 hours
		COPH Server Process Launcher	The DCOMAUNCH service loanches COM and DCOM servers in response to ubject activation requests. If this servic.	Running	Auto	Lacal System	14 days, 9 hours
P30-A-107E1		Plag and Play	Enables a computer to recognize and adapt to hardware changes with little or no user input. Stopping or deabling th	Running	Auto	Local System	14 days, 9 hours
30-A-0762		Q Pever	Manages power policy and power policy notification delivery.	Running	Ac40	Local System	14 days, 9 hours
		APC Endpoint Mapper	Resolves RPC interfaces identifiers to transport endpoints. If this service is stopped or deabled, programs using Ra	Running	Auto	Network Service	54 days, 9 hours
30-C-508R		Remote Procedure Call (NPC)	The RPCSS service is the Service Control Manager for COM and DCOM servers. It performs object activations reque	Running	Auto	Network Service	14 days, 3 hours
13-A-081		Galante Charte	Registers and updates IP addresses and DHS recards for this computer. If this service is stopped, this computer wil	Running	Auto	Lacal Service	s+days, 9 hours
		🙀 Windows Event Lag	This service manages events and event logs. It supports logging events, querying events, subscribing to events, er	Running	Auto	Local Service	Di-daya, Shaura
35-C-5A		CP,0P Ned8025 Helper	Provides support for the NetBIDS over TOP/IP (NetBIT) service and NetBIDS name resolution for dents on the netw.	Running	Auto	Lacal Service	s+days, 9 hours
		Hyper-I Time Synchronization Service	Synchronizes the system time of this virtual machine with the system time of the physical computer.	Running	Auto	Lacal Service	14 days, 9 hours
		Geraficate Propagation	Copies user certificates and root certificates fran smart cards into the current user's certificate store, detects when	Running	Manual	Lacal System	14 days, 9 hours
		🚱 Group Policy Client	The service is responsible for applying settings configured by administrators for the computer and users through the	Running	Auto	Local System	14 days, 9 hours
		Q 22 and Auflet Tree Reying Publies	The IREET service hosts the Internet Key Exchange (IRE) and Authenticated Internet Protocol (Auth97) learns no	Running	Ac40	Lacal System	14 days, 9 hours
		🚱 2 Neber	Provides turnel connectivity using \$145 transition technologies (3to 4, 254TAP, Fort Proxy, and Teredo), and \$14TT.	Running	Auto	Local System	14 days, 9 hours
		G Sever	Supports file, print, and named pipe sharing over the network for this computer. If this service is stopped, these full.	Running	Auto	Local System	14 days, 9 hours
		🕒 User Profile Service	This service is responsible for loading and unitsading user profiles. If this service is stopped or disabled, users will no 1	Running	Auto	Local System	14 days, 9 hours
		Task Scheduler	Enables a user to configure and schedule automated tasks on this computer. The service also hosts multiple Window	Running	Auto	Lacel System	14 days, 3 hours
		System Event Hothcation Service	Manitara system events and notifies subscribers to COM+ Event System of these events.	Running	Auto	Lacal System	s+days, 9 hours
		Remote Desktop Configuration	Remote Desktop Configuration service (RDCS) is responsible for all Remote Desktop Services and Remote Desktop r	Running	Manual	Lecel System	14 days, 9 hours
		Windows Management Enstrumentation	Provides a common interface and object model to access management information about speciating system, devices,	Running	Auto	Lacal System	54 days, 9 hours
		🚱 Windows Update	Enables the detectors, deveload, and installation of updates for Windows and other programs. If this service is dea	Running	Auto	Local System	14 days, 9 hours
		G CON+ Event System	Supports System Event Notification Service (1894), which provides automatic distribution of events to subscribing C	Running	Ac40	Lacel Service	14 days, 9 hours
		Windows Font Cache Service	Optimizes performance of applications by caching commonly used font data. Applications will start this service if it is	Running	Auto	Lacal Service	54 days, 9 hours
		Antwork Lat Service	Silentifies the networks to which the computer has connected, collects and stores properties for these networks, an	Running	Manual	Lacal Service	14 days, 9 hours
		Network Stare Interface Service	This service delivers network notifications (e.g. interface addition/deleting etc) to user mode clients. Stopping this s.	Running	Auto	Lacal Service	s4 days, 9 hours
		🔕 Windows Time	Maintaine dele and time synchronization on all clerits and servers in the network. If this service is stopped, date an	Furning	Manual	Lecal Service	14 days, 9 hours
		G WINETTP Web Proxy Auto-Decovery Service	WinVTTP implements the client HTTP stads and provides developers with a Win32 API and COM Automation compon	Stapped	Manual	Lacal Service	
		Ostributed Link Tracking Client	Maintaine Inla between NTPS files within a computer or acress computers in a network.	Running	Auto	Lecel System	14 days, 9 hours
		Renete Desktap Services LikerMode Fort Redirector	Microsoft Hyper V Network Adapter 2 was 45.5 - H8/Sec et 11:00.4M on 8/08/2019	Running	Manual	Lacal System	s+days, #heurs
		Quesktop Window Manager Session Manager	Provides Desktop Window Manager startup and maintenance services	Running	Auto	Local System	14 days, 9 hours

See also Working with Graphical Server Data.

To force immediate data collection:

In the Server section of the ribbon, choose the (...) beside the server for which you would like to collect data, and select **Collect Metrics Now** from the drop down menu.

=		SharePoint On-Premise	s-> b-sp10-a-wi	fe1 🔹 $ ightarrow$ Servers ->
Home	\dots \sim	P Type keywords here		Windows Services
Overview		Servers	+	😧 Netlogon
SharePoint On-Premises	+	B-SP10-A-DB1		Collect Metrics Now
b-sp10-a-wfe1		B-SP 10-A-WFE2	-	dit alert thresholds
b-sp10-c-s08r		B-SP 10-C-S08R	. Ø 1	Disable
b-sp19-a-sa		B-SP13-A-DB1	() F	Refresh
SharePoint Online	+ ~	B-SP16-C-SA		CP/IP NetBIOS F

To make changes to the Alert Thresholds for the server metrics:

See <u>Setting Alert Thresholds</u>.

Viewing the Status of Windows Services

From the Resources tab of the Server view, you can view the status and properties of Windows Services on a selected server. You can also <u>act on Services</u> from within the Management Console.

When data is collected for Windows Services

The Metalogix Diagnostic Manager Collection Service retrieves Window Service status information on a schedule that you specify in the <u>Collection Service Options</u> dialog. By default, the Collection Service retrieves this data every six minutes.

To view the status of Windows Services on a server:

- 1. Double click on the server for which you want to see the resources, this will open the overview pane for that server.
- 2. Select the Server name above the overview pane, this will produce a drop down panel, select **Resrouces** from this panel.

≡		Server Groups-> SG	1 \star \rightarrow Servers -> B-SF	P10-A-DB1 🔹 $ ightarrow$ Overvi	ew	
Home	~					
Overview		Overview	Details	Resources	SQL Server	Alerts
SharePoint	+				4	
In the Persource		of the ribbon	coloct Windo	we Forwisse		

3. In the Resources section of the ribbon, select Windows Services.

	Server Groups->	$SG1 \bullet SG1 \bullet$	s -> B-SP10-A-DB1 •	→ Resources •			
Home	Overview	CPU	Memory	🚔 Disk	D averti		KH Windows
Overview	Overview	- D : CPU	Memory	Disk	Page File	🛞 Network	Windows Services

Details about each service on the server displays, including the number of hours of **UpTime** since the last time the service was started. The columns are sortable.

Home		P Type keywords here		Windows Services					
Home				Name	Description	Status	Start Mode	Log On As	UpTime
Overview		Servers	+	Q Netlogon	Maintains a secure channel between this computer and the domain cont	Running	Auto	Local System	12 days, 10 hours
SharePoint		B-SP10-A-D81		Security Accounts Manager	The startup of this service signals other services that the Security Acco	Running	Auto	Local System	12 days, 10 hours
On-Premises	+			COM Server Process Launcher	The DCOMLAUNCH service launches COM and DCOM servers in respon	Running	Auto	Local System	12 days, 10 hours
On-Premises		B-SP10-A-WFE1		Q Plug and Play	Enables a computer to recognize and adapt to hardware changes with I	Running	Auto	Local System	12 days, 10 hour
b-sp10-a-wfe1		B-SP10-A-WFE2		Q Power	Manages power policy and power policy notification delivery.	Running	Auto	Local System	12 days, 10 hour
b-sp10-c-s08r				RPC Endpoint Mapper	Resolves RPC interfaces identifiers to transport endpoints. If this servi	Running	Auto	Network Service	12 days, 10 hours
b-sp10-c-s08r		B-SP 10-C-S08R		Remote Procedure Call (RPC)	The RPCSS service is the Service Control Manager for COM and DCOM	Running	Auto	Network Service	12 days, 10 hour
		B-SP13-A-D81		Charles Client	Registers and updates IP addresses and DNS records for this computer	Running	Auto	Local Service	12 days, 10 hour
b-sp19-a-sa				Q Windows Event Log	This service manages events and event logs. It supports logging event	Running	Auto	Local Service	12 days, 10 hour
SharePoint Online	+	B-SP13-A-WFE1		CP/IP NetBIOS Helper	Provides support for the NetBIOS over TCP/IP (NetBT) service and Net	Running	Auto	Local Service	12 days, 10 hour
SharePoint Online	Ŧ	B-SP13-8-081		A Hyper-V Time Synchronization Service	Synchronizes the system time of this virtual machine with the system ti	Running	Auto	Local Service	12 days, 10 hour
https://metalogixsoftwa	are622-a			Certificate Propagation	Copies user certificates and root certificates from smart cards into the	Running	Manual	Local System	12 days, 10 hour
dmin.sharepoint.com		B-SP13-8-WFE1		Group Policy Client	The service is responsible for applying settings configured by administr	Running	Auto	Local System	12 days, 10 hour
Server Groups	+	B-SP13-8-WFE2		IKE and AuthIP IPsec Keying Modules	The IKEEXT service hosts the Internet Key Exchange (IKE) and Authen	Running	Auto	Local System	12 days, 10 hour
Server Groups	Ŧ			Carl IP Helper	Provides tunnel connectivity using IPv6 transition technologies (6to4, I	Running	Auto	Local System	12 days, 10 hour
		B-SP16-C-SA		Carlos Server	Supports file, print, and named-pipe sharing over the network for this c	Running	Auto	Local System	12 days, 10 hours
				Status for Service : Netlogon		-		Select durate	an: 1 hour
CollectionService				1					
ManagementConsole Options Help									

NOTE: When a Windows Service's Status includes (Trigger Start), that designation does not display in the Management Console for any server, regardless of its version.

	Name			De	scriptio	n	Status	Start Mode	Τ
🔕 Distribu	ited Transaction Coordinato	r	Coordinate	es transactio	ns that s	pan multiple resour	Running	Automatic (Delayed Start)	N
🏠 dmwapr	pushsvc		WAP Push	Message Ro	uting Se	rvice	Stopped	Manual	L
Clie DNS Clie	DNS Client			The DNS Client service (dnscache) caches Domain			Running	Automatic	Ν
Services							- 0	Disabled	L
	iew Help] 🖸 📑 🔽 📷 🕨 🖩 🕕 🕬	•							
Services (Loca									

Acting on Windows Services

From the Management Console, you can perform the same actions on Windows Services that you can from the server on which the Services reside. You can also enable/disable monitoring and collect Service data immediately.

To act on a Windows Service:

- 1. In the Windows Services grid, select the service you want to act on.
- 2. Right-click and choose the action you want to perform. Options are:
- Start Service (if the Service is currently Stopped)
- Stop Service (if the Service is currently running)
- Pause Service (if allowed for the Service)
- Resume Service (if the Service is Currently Paused)

- Restart Service
- Enable monitoring on this Service
- Disable monitoring on this Service
- Gather Services Now
- Properties

Name	Descrip	otion 51
Netlogon	Maintains a secure channel between the	nis computer and the domain cont Ru
Security Accounts Manager	The startup of this service signals othe	er services that the Security Acco Ru
DCOM Server Process Launcher	The DCOMLAUNCH service launches C	OM and DCOM servers in respon Ru
Plug and Play	Enables a computer to recognize and a	adapt to hardware changes with li R
Power	Manages power policy and Sta	rt Service
RPC Endpoint Mapper	Resolves RPC interfaces ide Sto	p Service
Remote Procedure Call (RPC)	The RPCSS service is the Se Pau	use Service
DHCP Client	Registers and updates IP a Res	sume Service
Windows Event Log	This service manages event Res	tart Service
TCP/IP NetBIOS Helper	Provides support for the Ne	able monitoring on this Service
Hyper-V Time Synchronization Service	Synchronizes the system tin	able monitoring on this Service
Certificate Propagation	Copies user certificates and	
Group Policy Client	The service is responsible for Gat	ther Services Now
IKE and AuthIP IPsec Keying Modules	The IKEEXT service hosts the Pro	operties

Viewing the Status of Server Web Components

The Web tab of the Server section of the ribbon lets you review the status of the Internet Information Services (IIS) and Web Services components of the selected server. The data appears in graphical format, letting you easily review the status of the server and see patterns in your server behavior.

When you view the Web tab, you can select the amount of time represented by each graph. You can also choose to display current data or historical data from a time that you specify.

NOTE: The Web tab only appears if the selected server has IIS and Web Services installed and active.

When Server Data is Collected

The Metalogix Diagnostic Manager Collection Service retrieves data from a server on a schedule that you specify in the Collection Service Options dialog box (see <u>Setting the Collection Service Options</u>). By default, the Collection Service retrieves this data every six minutes.

To view the status of server Web components:

1. In the Management Console select a server (that has IIS and web services installed) to open the overview for that server.

2. Select the server name to open the drop down options tab - select Web.

=		SharePoint On-Prem	ses-> b-sp10-a-wfe1 \star \rightarrow	Servers -> B-SP10-A-V	WFE1 - $ ightarrow$ Web -			
Home	~							
Overview		Overview	Details	Resources	() Web	SharePoint	Pages	Alerts
SharePoint On-Premises	+ ~	D-0Y10-A-WEE1			1 0		(0)	
b-sp10-a-wfe1		B-SP10-A-WFE2	<u>I</u> w <u>X</u> cr	arning: 0 itical: 9	60 50	Min	60 50	

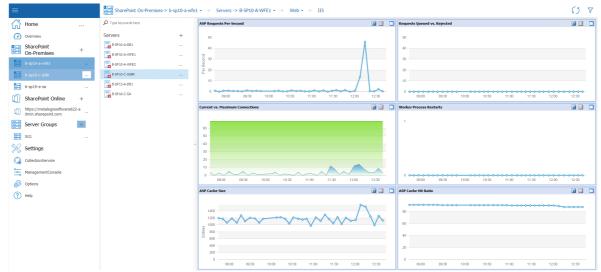
3. You can now choose between IIS, Web Services, and Application Pools.

Available Status Information

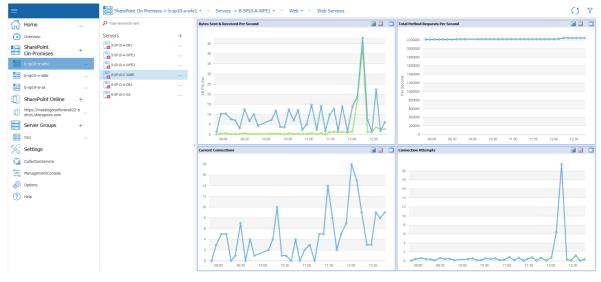
The Server Web tab includes the following information:

≡		SharePoint On-F	Premises-> b-sp10-a-	wfe1 \star \rightarrow Server	s -> B-SP10-A-WFE1 \star \rightarrow	Web 🕶
Home	~	tis 🕄	Web Services	Application Pools		
Overview			AX new services	V Pools		

• Statistics about the IIS on the selected server



• Statistics about the Web Services on the selected server.



• The configuration and status of **Application Pools** on the selected server.

B Home		P Type keywords here		Application Pools					
-				Name	Status	Uptime (Hrs)	Property	Value	
Overview		Servers	+	7e310172a28b46af9fa4ff5eee66d522	Starbed	259.775 🔺	ApplicationPoolUptime	935189	
SharePoint		B-SP10-A-D61		a5fedd9680ed493e850261b6048f1d7a	Started	259.775	AppPoolAutoStart	True	
SharePoint On-Premises	+			Classic .NET AppPool	Started	259.775	AppPoolCommand	1	
On-Premises		B-SP10-A-WFE1		DefaultAppPool	Started	133.82	AppPoolEdentityType	3	
		B-SP10-A-WFE2		GOLDEN BOY WEBAPP - 24362	Started	259.775	AppPoolQueueLength	1000	
				MARCELO WEBAPP - 46982	Started	259.775	AppPoolRecycleConfigChange	True	
b-sp10-c-s08r		B-SP 10-C-S08R		RONALD WEBAPP - 39592	Started	259.775	AppPoolRecycleIsapiUnhealthy	True	
b-sp19-a-sa		B-SP13-A-D81		SecurityTokenServiceApplicationPool	Started	259.775	AppPoolRecycleMemory	True	
b-sp19-a-sa				🐏 SharePoint - 18256	Started	259.775	AppPoolRecycleOnDemand	True	
SharePoint Online	+	B-SP16-C-SA		🐏 SharePoint - 19674	Started	259.775	AppPoolRecyclePrivateMemory	True	
SindlePoint Online	T			Point - 33945	Started	259.775	AppPoolRecycleRequests	True	
https://metalogiosoftware62	2-a			Point - 37108	Started	259.775	AppPoolRecycleSchedule	True	
dmin.sharepoint.com				SharePoint - 40123	Started	259.775	AppPoolRecycleTime	True	
Server Groups	+			Distance Point - 5000	Started	259.775	AppPoolState	2	
Server Groups	Ŧ			Distance Point - 80	Started	259.775	AutoShutdownAppPoolExe		
SG1				SharePoint Central Administration v4	Started	259.775 -	AutoShutdownAppPoolParams		
Settings				Status for Application Pool: 7e310172a28b46a19fa4ff5eee66d522		<u>^</u>		Select duration: 1 hour	
CollectionService ManagementConsole				· · · · · · · · · · · · · · · · · · ·	->			······································	
CollectionService ManagementConsole Options				'	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			······································	
CollectionService ManagementConsole Options				'	÷	÷		······································	
CollectionService ManagementConsole Options				'	• •				
CollectionService ManagementConsole Options				'	÷				
CollectionService ManagementConsole Options				'	· · · ·				×

See also Working with Graphical Server Data.

Viewing the Status of Server SharePoint Components

The SharePoint tab of the Server view lets you easily review the status of a farm server and the SharePoint components that it hosts.

i NOTE: The SharePoint tab only appears if the selected server has SharePoint components installed and active.

To view the status of Server SharePoint components

- 1 In the Management Console select the farm server (which has SharePoint components installed) whose SharePoint components you want to view.
- 2 Select the farm server name above the overview pane, a panel will appear, select SharePoint.

=		SharePoint On-Premis	ses-> b-sp10-a-wfe1 \star \rightarrow	Servers -> B-SP10-A-WF	E1 • \rightarrow Web •			
Home	~	Overview	Detais	Resources	() Web	SharePoint	Pages	🔔 Alerts
SharePoint On-Premises brsp10-arwfe1	+	B-SP10-A-WFE2		arning: 0 itical: 9	60	n. n	60	

3 You can now choose between Search, Indexer, Excel Calculation, SharePoint Services, and ULS.

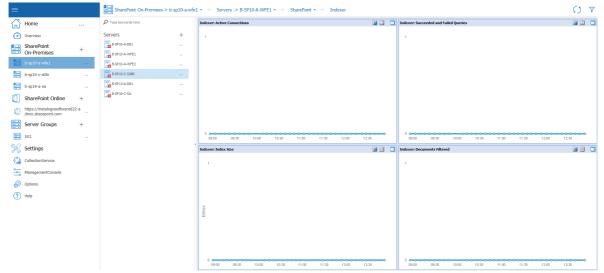
The SharePoint tab includes:

		SharePoint On-P	remises-> b-sp10-a-v	wfe1 \star \rightarrow Servers	-> B-SP10-A-WFE1	• \rightarrow SharePoint •
Home Overview	~	Q Search	🔁 Indexer	Excel Calculation	SharePoint Services	Uls
- d pri						

• Statistics about the **Search** (SharePoint search) on the selected server.

=	SharePoint On-Premises-> b-sp10-a-wfe	1 * \rightarrow Servers -> B-SP10-A-WFE1 * \rightarrow SharePoint * \rightarrow Search		С.	5	7
🔐 Home 🗸	P Type keywords here	Search: Retries Per Second) s	Search: Idle Threads		
Overview	Servers +	1		1		
SharePoint + On-Premises +	B-SP10-A-081	T.				
b-sp10-a-wfe1	B-SP10-A-WFE2	Sector d				
🔡 b-sp10-c-s08r	B-SP10-C-508R	Per				
b-sp19-a-sa	B-SP13-A-081					
SharePoint Online +	B-SP16-C-SA	0 08:00 09:30 10:00 10:30 11:00 11:30 12:00 12:30		08:00 08:30 10:00 10:30 11:00 11:30 12:00 12:30		
https://metalogbisoftware622-a dmin.sharepoint.com		Search: Waiting Documents) s	Search: Blocked Documents		
Server Groups +		1		1		
📰 SG1						
🔆 Settings						
CollectionService						
ManagementConsole		· · · · · · · · · · · · · · · · · · ·		0		
Options		0800 0930 10.00 10.30 11:00 11:30 12:00 12:30		08:00 09:30 10:00 10:30 11:00 11:30 12:00 12:30		_
Help		Search: Processed Document Rate				
		1				
		2				
		0.00 0.00				
		08.00 08.00 10.00 10.00 11.00 11.00 12.00 12.00				

• Statistics about the Indexer (SharePoint indexing services) on the selected server



• Statistics about the Excel calculation on the selected server.

Home		D Type keywords here		Excel Calc: Active Requests	iii 🗉 🖸	Excel WFE: Active Requests	II
Overview		Servers	+	1		1	
		B-SP10-A-081					
SharePoint On-Premises	+	B-SP 10-A-WFE 1					
b-sp10-a-wfe1		B-SP 10-A-WPE2					
b-sp10-c-s08r		8-SP10-C-S08R					
b-sp19-a-sa		B-SP13-A-DB1					
SharePoint Online	+	B-SP 16-C-SA			2:30	0 00 00 00 10:00 10:00 11:00 11:00 12:00	12:30
https://metalogixsoftware	-622-a			Excel Calc: Request Processing Time & Session Time	ii II 🗆	Excel WFE: Request Processing Time	0
J dmin.sharepoint.com				1		1	
Server Groups	+						
5G1							
Settings				econd .		ecoud	
CollectionService				σ.		ä	
ManagementConsole							
Options					• • • • • 12:30	0 0 0 09:30 10:00 10:30 11:00 11:30 12:00	12:30
				Excel Calc: Requests & Sessions Per Second	iii 💷 🗖	Excel WFE: Requests Per Second	0
?) Help				1		1	
				2		3	
				secol		secol	
				ē.		0.	
				0 0 00 00:30 10:00 10:30 11:00 11:30 12:00	230	0 000 08:30 10:00 10:30 11:00 11:30 12:00	12:30

See also Working with Graphical Server Data.

• Information about **SharePoint Services** on the selected server, including a graphical representation of the **Status** of a selected timer job for a specified duration.

Home		P Type keywords here		Windows Services (SharePoint related)					
Home				Name	Status	Start Mode	Process Name		
Overview		Servers	+	🚱 World Wide Web Publishing Service	Running	Auto	W3SVC		
charan balan		B-SP10-A-D81		IIS Admin Service	Running	Auto	IISADMIN		
SharePoint On-Premises	+			Distributed Transaction Coordinator	Running	Auto	MSDTC		
On-Premises		B-SP10-A-WFE1		Ga SharePoint 2010 VSS Writer	Stopped	Manual	SPWriterV4		
		B-SP10-A-WFE2		Ga SharePoint 2010 User Code Host	Stopped	Disabled	SPUserCodeV4		
				Q SharePoint 2010 Tracing	Running	Auto	SPTraceV4		
b-sp10-c-s08r		8-SP10-C-S08R		Q SharePoint 2010 Timer	Running	Auto	SPTimerV4		
		B-SP13-A-061		Ga SharePoint Foundation Search V4	Stopped	Disabled	SPSearch4		
b-sp19-a-sa				Q SharePoint 2010 Administration	Running	Auto	SPAdminV4		
SharePoint Online		B-SP16-C-SA		Q SharePoint Server Search 14	Running	Manual	OSearch 14		
Sharepoint Online	+			Document Conversions Load Balancer for Microsoft SharePoint Server 2010	Stopped	Disabled	DCLoadBalancer 14		
https://metalogicsoftware dmin.sharepoint.com	622-a			Conversions Launcher for Microsoft SharePoint Server 2010	Stopped	Disabled	DCLauncher 14		
Server Groups	+			Status for Service : World Wide Web Publishing Service				Select duration: 1 hour	×
SG1				Status for Service : World Wide Web Publishing Service				Select duration: 1 hour	
SG1 Settings				Status for Service : World Wide Web Publishing Service	->	÷	·	Select duration: I hour	
SG1				States for Service : World Wide Web Publishing Service			• • •	Select duration: 1 hour	
SG1 Settings CollectionService				Status for Service : World Wide Web Publishing Service		÷	· · ·	Select duration: 1 hour	×
SG1 Settings CollectionService ManagementConsole				Status for Service : World Wide Web Publishing Service	÷		÷	Select duration: 1 hour	
SG1 Settings CollectionService ManagementConsole Options				Status for Service : World Web Publishing Service	÷		· · · · ·	Select duration. 1 hour	×
SG1 Settings CallectionService ManagementConsole Options				Status for Service : World Wide Web Publishing Service	• •		•	Select duration I hour	×
SG1 Settings CollectionService ManagementConsole Options				Status for Service : World Wide Web Publishing Service	· · · ·		÷	Select duration: 1 hour	×
SG1 Settings CollectionService ManagementConsole Options				Status for Service : World Wide Web Publishing Service	• • •		· · · ·	Select duration: 1 hour	×
SG1 Settings CollectionService ManagementConsole Options				Status for Service : World Wold Web Publishing Service	÷ • • •	•	• • •	Select duration: 1 hour	×
SG1 Settings CollectionService ManagementConsole Options				Status for Service : Workt Wole Web Publishing Service	· · · · ·		••	Select duration: [1 hour	×
SG1 Settings CollectionService ManagementConsole Options				Status for Service : World Wold Web Publishing Service	÷ • • • •		·	Select duration: 1 hour	
s61 Settings				Status for Service : World Wide Web Publishing Service .	· · · · ·			Select duration: 1 hour	

• A link to the **ULS** log entry viewer with entries for the selected server.

Home		P Type keywords here		ULS log entries (25)							
Overview		Servers	+	Last Hour	♥ 03/09/2019 ~ 11:	58 AM 🔅 To 03/09/2	2019 - 12:58 PM 🔅				
SharePoint		B-SP10-A-D81									
SharePoint On-Premises	+	B-SP10-A-WFE1		Enter text to search		+ Find	Clear				
		B-SP10-A-WFE2		Time	Computer Name	Process Name	Area	Category	Level	Correlation ID	
		B-SP 10-C-S08R		9/3/2019 12:29:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	8f975d8b-2852-4e44-bb4a-5e0b2272e891	
b-sp10-c-s08r				9/3/2019 12:27:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	407c86fb-aaf0-4602-8612-0bca9df49692	
b-sp19-a-sa		B-SP13-A-DB1		9/3/2019 12:25:07 PM	8-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	9c88a740-19e2-4732-baac-f1757daea24f	
		B-SP16-C-SA		9/3/2019 12:24:07 PM	8-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	bf728272-6b77-4d79-b967-a8674b6ee780	
SharePoint Online	+	1.212		9/3/2019 12:23:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	9849d4db-ac55-4c0e-82eb-aaf93bb9ce58	
https://metalogixsoftware6	22-2			9/3/2019 12:22:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	db8325c0-bb7a-45a1-b97e-095eac1d7132	
dmin.sharepoint.com				9/3/2019 12:20:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	79329b13-80ff-4ad2-8e76-3675b6f63b76	
				9/3/2019 12:19:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	daf58094-3711-4911-ad8d-3b4af0fb88ee	
	$+ \sim$			9/3/2019 12:18:07 PM	8-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	4d1b712e-fe02-4ec3-8f29-8db195ac0ad5	
SG1				9/3/2019 12:16:08 PM	B-SP10-A-WPE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	4ed4ca36-8974-474b-aaa3-3f244dcea1f4	
				9/3/2019 12: 15:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	df324490-4066-4744-a3ba-7ca55ba8d8d6	
Settings				9/3/2019 12:13:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	25757878-870d-4e8c-8fac-09392a69093d	
				9/3/2019 12:11:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	27da798c-816e-4618-818e-481f426200c2	
CollectionService				9/3/2019 12:10:07 PM	8-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	ad24ded5-3ffb-4c8a-b4fd-991d26de7beb	
ManagementConsole				9/3/2019 12:09:07 PM	8-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	0f83399f-14fd-4612-8e0e-5fa41d553aa3	
				9/3/2019 12:08:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	f13bc812-31fd-4bbb-8923-72bfb33f9b95	
Options				9/3/2019 12:07:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	3c719efe-ca0d-4cd0-be1c-82a330075d57	
				9/3/2019 12:05:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	527bac96-efea-48e7-865c-16122bc81836	
Help				9/3/2019 12:04:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	9773a1bc-4880-4e09-8249-8ace36d102d6	
				9/3/2019 12:03:07 PM	8-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	743cb23a-13d9-4672-bd29-f565ce6228ca	
				9/3/2019 12:01:07 PM	8-SP10-A-WPE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	fc9c8360-4454-4568-8b42-80c80b05b89e	
				9/3/2019 12:00:07 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	7d3be609-503d-4899-8779-d640f15aef78	
				9/3/2019 12:00:01 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Portal Server	User Profiles	Critical	d43054ac-58d9-4339-8c42-8895560026d2	
				9/3/2019 12:00:01 PM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Portal Server	User Profiles	Exception	d43054ac-58d9-4339-8c42-8895560026d2	
				Page 1 of 1 (25 items)	<< < 1 >>>	Page	size: 1500 -				
				ULS log entry Message							

See also <u>Viewing ULS Log Entries for a Farm</u>.

Viewing the Status of Monitored Pages

The Server - Pages view lets you review the status of the monitored pages on the selected server.

To access the Server Pages view:

1 In the Management Console select the server whose monitored pages you want to view. Double click it so that the overview pane for it opens up.

2 Select the server name above the overview pane. This will produce a drop down panel, select Pages.

=		SharePoint On-Premis	ses-> b-sp10-a-wfe1 \star \rightarrow	Servers -> B-SP10-A-W	FE1 \bullet > Web \bullet			
Home								
Overview		Overview	Details	Resources	() Web	SharePoint	Pages	🔔 Alerts
SharePoint On-Premises	+							
b-sp10-a-wfe1		B-SP10-A-WFE1	! w X cr	'arning: 0 itical: 9	60	MAN	60-50-	

The Server Pages view includes the following information about each page on the selected server:

- the Page Title and Page Address
- the current Status of the page
- the alert status of the Load Time
- the alert status of the page **Component**.
- and the time when it was Last Collected.

=		SharePoint On-Premis	es-> b-sp10-a-wfe	e1 ▼ → Servers -> B-SP10-A	wWFE1 • > Pages				() V
Home		P Type keywords here		Monitored Pages					
Overview		Servers	+	Page Title Home - Site CollectionBLOG	Page Address http://b-sp10-a-wfe1:37108/sit	OK	ad Time Component	9/3/2019 1:07 PM	
SharePoint On-Premises	+	B-SP10-A-DB1		Home - Site CollectionMPS4	http://b-sp10-a-wfe1:37108/sit	OK		9/3/2019 1:17 PM	
On-Premises	Ŧ	B-SP10-A-WFE1							
b-sp10-a-wfe1		8-SP10-A-WFE2							
b-sp10-c-s08r		B-SP 10-C-S08R							
b-sp19-a-sa		B-SP13-A-081							
SharePoint Online	+	B-SP16-C-SA							
https://metalogixsoftwa dmin.sharepoint.com	are622-a								
Server Groups	+								
5G1									
💥 Settings				•					
CollectionService									
ManagementConsole									
Options									
(?) Help									

To view Statistics for a monitored page:

Double-click the page whose statistics you want to view.

Working with Graphical Server Data

When data about servers includes a graphical component you can:

- change the time and duration of displayed data, and
- view more details

To view data from a specified date and time:

1 While viewing server statistics, select the Filter button in the right hand corner. This will open the Time filtration options.

=		SharePoint On-Premises	-> b-sp10-a-wfe	1 *	E2 ▼ →	Overview					() V
Home	~	P Type keywords here		Server Status (Historical)				Recent Trends		Time	
Overview		Servers	+	Critical As of 9/3/2019 1:51 PM	100	CPU Usage (%)	100	Memory Usage (%)	50	 Show current data Show data as of: 	9/3/2019 10:28 AM
SharePoint On-Premises	+	B-SP10-A-DB1			90 80		90		40		
On-Premises		B-SP10-A-WFE1		Active Alerts View	70		70	 	35 -		OK

103

- 2 In the Time tab, select Show data as of:
- 3 Click the date and time hyperlink. In the **Select Historical Date** dialog, select the date and time to show data from, then click **OK**, and **OK** once more.

Time	
O Show current data	
Select Historical Date	9/3/2019 10:28 AM
S/3/2019 💽 10:28 AM 🚔	
OK Cancel	ОК

To change the duration represented in the graph:

When looking at the Resources Overview, you can also filter for duration.

To do so select a value from the **Select duration** drop-down, accessed through the Time Filter.

=		SharePoint On-Premises	s-> b-sp10-a-wfe	$\star \ \ \rightarrow \ \ \text{Servers} \star \ \ \rightarrow \ \ \text{B-SP10-A-WFE2} \star \ \ \rightarrow \text{Resources} \star \ \ \rightarrow \text{Overview}$			S	∇
Home	~	P Type keywords here		CPU Usage (%) Total +	i 🗉 🗖	Network KBytes Per Second	Time	
Overview		Servers	+	100			Show current data Show data as of: <u>9/3/2019 10:28 AM</u>	M
SharePoint On-Premises	+ ~	B-SP 10-A-081		80			Duration	
b-sp10-a-wfe1		B-SP 10-A-WFE2		80 98	A 2	0 120 90	Select duration: 4 hours	-
b-sp10-c-s08r		B-SP10-C-S08R		» ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\sim	₩ 60	08	К

Select a duration from the **Select duration** drop-down list.

If you want to view more detail about a single graph, click one or more of the icons in the graph's top right corner:

- Show legend (
- Show tabular data (💷)
- Maximize graph (🕤)

Viewing SQL Server Detail

The SQL Servers object in the farm or Server Group includes a separate page for every SQL Server being monitored. You can click the page for the server in the SQL Servers group to view additional information about the server (see <u>Viewing the Status of a Single SQL Server</u>).

NOTE: By default, the Collection Service monitors only content databases and system databases in a SharePoint farm. You can, however, change the <u>Farm & Page Monitoring Scheduled Options</u> to have it monitor *ALL* databases. (The Collection Service always monitors all databases in a Server Group.)

Viewing the SQL Servers Status Overview

The SQL Servers Dashboard provides the status of the SQL Server hosts and gives you an idea of how well you are utilizing SQL Server. This overview helps you focus on any SQL Server configuration or performance issues.

To view the SQL Servers Dashboard

- 1 In the Management Console tree, select the farm whose SQL Servers you want to view.
- 2 Select the name of the farm above the overview pane, this will provide a drop down panel, select SQL Servers.

≡		SharePoint On-Premis	es-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports
SharePoint On-Premises	+ **	D-0K TO-W-MLET			Disabled: 0				
b-sp10-a-wfe1		B-SP10-A-WFE2	Serve	ers	Unlicensed: 0	🧮 SQL Server H	5515: 4		

SharePoint On-P Home P IN rs are in critical state = SQL Server Alerts = SQL Server Alerts = Total Active Alerts: 15 rs are in warning state rs are 0K = SQL Server Alerts = Capacity Alerts: 0 SQL Servers Overview B-SP 10-A-D8 SharePoint On-Premises 8-SP 10-C-S08R B-SP13-A-081 10.99 GE 0 bytes 0 bytes 8-SP16-C-SA b-sp10-c-s08 b-sp19-a-sa SharePoint Online Server Groups 📑 5G1 (8-SP10-A-D81)/VSS_Logging (3.91 G8) [B-SP10-A-DB1].SharePoint - 40123 (3.11) 💥 Settings CollectionService ManagementConsol Options (?) Help [B-SP10-A-DB1] SharePoint_Admi [B-SP10-C-S08R].tempdb (375.75 MB) [B-SP16-C-SA].tempdb (360.00 MB) B-SP10-A-DB11Search Ser

The SQL Servers Dashboard provides the following information:

- the state of each server hosting SQL Server components
- the total number of SQL Server Alerts, and the number of alerts by type (Configuration, Capacity, and Activity)
- the Number of Databases on each SQL Server instance
- the Size of Databases on each SQL Server instance
- the Number of Active Alerts (Critical and Warning) for each SQL Server instance
- a pie chart that depicts Databases by Size on the SQL Server instances
- NOTE: Metalogix Diagnostic Manager displays the maximum and minimum server memory statistics in the SQL Server instance details area of the Overview tab. Note that the Min Server

Memory field displays the running SQL Server configuration value rather than the value configured in the Server Properties dialog box.

The Metalogix Diagnostic Manager Collection Service retrieves data from the farm on a schedule that you specify (see <u>Setting the Collection Service Options</u>) in the Collection Service Options dialog box. By default, the Collection Service retrieves data every six minutes.

When you select a server, the Collection Service retrieves live data from the server while it is selected. Live data collection is identical to normal data collection, except that rather than happening at the regular interval you specify for every server, data is collected for the single server at a short interval. By default, live data is collected for the server every 30 seconds. If you need to, you can change the live data collection interval (see <u>Setting the Management Console Options</u>).

Viewing the Configuration of Your SQL Servers

Metalogix Diagnostic Manager provides a glimpse into the configuration of the SQL Server hosts in your SharePoint farm or Server Group. Being able to view configuration information in this view allows you to quickly see how to address alerts concerning a SQL Server host.

To view configuration for your SQL Server hosts:

- 1 In the Management Console tree, select the farm whose SQL Servers you want to view.
- 2 Select the name of the farm above the overview pane, this will provide a drop down panel, select **SQL Servers**.

≡		SharePoint On-Premi	ses-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~								
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports
SharePoint On-Premises	+								
b-sp10-a-wfe1		B-SP10-A-WFE1	Serv	ers	Disabled: 0 Unlicensed: 0	🧮 SQL Server H	osts: 4		

3 Next to "SQL Servers", select the (...) button, and select **Configuration** from the drop down menu.

			SharePoint On-Premises-> b-sp10-a-wfe1	→ SQL:
\bigcirc	Home	~	${\cal P}$ Type keywords here	Critic 4 SQL
\bigcirc	Overview		SQL Servers	0 SQL
P	SharePoint	+	- R CD10 A DD1	iguration

SQL Servers							A	s of 5/2/2018
QL Server Configu	ration							
SQL Server	Status	Alerts	Host Server	Passive Hosts	DBs	Config	Capacity	Activity
B-SQL14-B\INST	_B Critical	2	B-SQL14-B		429	Image: A state of the state	Image: A state of the state	V
B-SQL14-C\INST	F_C Warnir	g 1	B-SQL14-C		532	Image: A start of the start	Image: A start of the start	Image: A start and a start
🚽 B-SQL14-D\INS	т_ D ок	0	B-SQL14-D		427	~	~	V
🖥 B-SQL 14-SQLCL	T Critical	4	B-SQL14-B	B-SQL14-D, B-SQL14-C	429	Image: A start and a start	~	✓ ✓
👌 B-SQL14-SQLCL	T1 Critical	4	B-SQL14-B	B-SQL14-D, B-SQL14-C	429	~	~	Image: A start of the start
🚡 B-SQL14-SQLCL	T2 Critical	1	B-SQL14-D	B-SQL14-B, B-SQL14-C	427	~	~	~
🔒 B-SQL14-SQLCL	T3 Critical	4	B-SQL14-C	B-SQL14-B, B-SQL14-D	532	V	V	~
4 <u>-</u> <u>-</u>								
Details for SQL Serve	er Instance: B-SQL14-Bil Microsoft SQL Server 20 Sep 22 2016 01:09:29 Enterprise Edition (64-bit)	4 (SP2-CU						
	er Instance: B-SQL14-BV Microsoft SQL Server 20 Sep 22 2016 01:09:29 Enterprise Edition (64-bit)	4 (SP2-CU						
etails for SQL Serve Version: Max Server Memory:	er Instance: B-SQL14-BV Microsoft SQL Server 20 Sep 22 2016 01:09:29 Enterprise Edition (64-bit) 2,147,483,647 MB	4 (SP2-CU						
etails for SQL Serve Version: Max Server Memory: Min Server Memory:	er Instance: B-SQL14-BV Microsoft SQL Server 20 Sep 22 2016 01:09:29 Enterprise Edition (64-bit) 2,147,483,647 MB 16 MB	4 (SP2-CU						
etails for SQL Serve Version: Max Server Memory: Min Server Memory: Network Packet Size:	er Instance: B-SQL14-BV Microsoft SQL Server 20 Sep 22 2016 01:09:29 Enterprise Edition (64-bit) 2,147,483,647 MB 16 MB	4 (SP2-CU						

The SQL Servers Configuration view provides a list of your SQL Servers and the following information:

- The name of the SQL Server host.
- The current Status of your SQL Server host.
- The total number of active configuration, and performance Alerts for the selected host
- The name of the Host Server for the SQL server instance
- If the host server is in a cluster or SQL AlwaysOn Availability Group, the name of any Passive Hosts
- The total number of databases on the host that support SharePoint (SPDBs)
- The total number of SharePoint content databases (Content DBs) on the host
- The current status of Config, Storage Capacity, and Activity on the host
- Details for SQL Server Instance, which includes:
 - Version
 - Max/Min Server Memory
 - Packet Size
 - whether the host is in a cluster
 - any aliases

SQL Server Data Collection

The Metalogix Diagnostic Manager Collection Service retrieves data from the farm on a schedule that you specify (see <u>Setting the Collection Service Options</u>) in the Collection Service Options dialog box. By default, the Collection Service retrieves data every six minutes.

When you select a server, the Collection Service retrieves live data from the server while it is selected. Live data collection is identical to normal data collection, except that rather than happening at the regular interval you specify for every server, data is collected for the single server at a short interval. By default, live data is collected for the server every 30 seconds. If you need to, you can change the live data collection interval (see <u>Setting the Management Console Options</u>).

Viewing the Active Alerts for Your SQL Servers

Metalogix Diagnostic Manager provides you with an overall view of the active alerts on all of the SQL Server instances in your farm. You can filter the alerts by using the Filter options, and restrict the results to only a specific type of alert.

To view the active alerts for all of your SQL Server instances

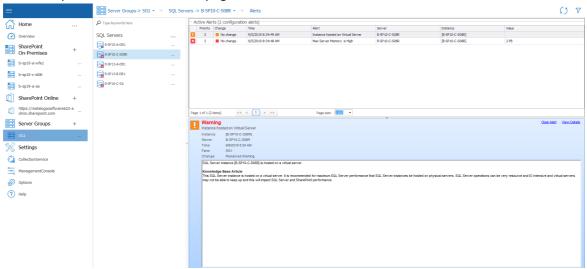
- 1 In the Management Console tree, select the farm whose SQL Servers you want to view.
- 2 Select the name of the farm above the overview pane, this will provide a drop down panel, select **SQL Servers**.

		SharePoint On-Premi	ses-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports
SharePoint On-Premises	+	0-0K.10-4-MLC1			Disabled: 0				
b-sp10-a-wfe1		B-SP10-A-WFE2		ver	Unlicensed: 0	🧮 SQL Server Ho	osts: 4		

3 Select the name of the sql server for which you would like to see active alerts. Select the name above the overview pane, and from the dropdown panel select **Alerts**.

J Metalogix Diagnostic Manager (b	-SP13-B-WFE1)							
≡		Server Groups-> SG	$\bullet \rightarrow SQL$ Servers -> 6	8-SP10-C-S08R ▼ → Ov	verview			
Home	~							
Overview		Overview	Databases	Database Files	Capacity Graphs	 Activity Graphs 	Resources Graphs	Alerts
SharePoint	+ ~							

4 This will open the Alerts overview page.



See also Using Alerts.

Viewing the Status of a Single SQL Server

You can use the Metalogix Diagnostic Manager Management Console to view the status of individual SQL Servers in your SharePoint farm. In addition to SharePoint databases, you can monitor SQL System databases (master, tempdb, model, and msdb) as well as the Metalogix Diagnostic Manager Repository Database. You can also monitor SQL instances on manually added servers, regardless of whether they are associated with a SharePoint farm.

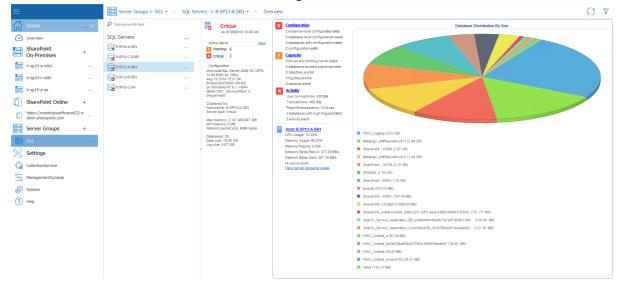
To view the SQL Server instance Dashboard

- 1 In the Management Console tree, select the farm whose SQL Servers you want to view.
- 2 Select the name of the farm above the overview pane, this will provide a drop down panel, select **SQL Servers**.

=		SharePoint On-Premis	ses-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~								
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🔔 Alerts	Reports
SharePoint On-Premises	+								
b-sp10-a-wfe1		B-SP10-A-WFE1			Disabled: 0	🧮 SQL Server H	osts: 4		

3 Double Click on the SQL Server whose dashboard you want to view. If a view other than the overview pane opens, select the SQL Server's name above the viewing pane, and select **Overview** from the drop down panel.

	•	•						
=		Server Groups-> SG	1 $ ightarrow$ SQL Servers -> 6	B-SP13-A-DB1 → Ove	erview			
Home	~							
Overview		Overview	Databases	Database Files	Capacity Graphs	 Activity Graphs 	Resources Graphs	Alerts
SharePoint On-Premises	+							



The SQL Server dashboard contains the following information:

- The state of the selected server hosting SQL Server components.
- The total number of warning and critical **Active Alerts** for the selected server.
- **Configuration** information about the operating system, processors, memory, cluster status, and databases on the selected server.

- A dashboard view of the SQL Server. You can review the **Configuration**, **Capacity**, and **Activity** of the server.
- A view of the status of the Host server
- A pie chart that lets you visualize the **Distribution of Databases by Size** on the SQL Server.

Viewing the SharePoint Databases of a Single SQL Server

You can use the Metalogix Diagnostic Manager Databases to review information about the databases that the SQL Server instance hosts. The SharePoint databases table lists basic information about all of the databases.

To view SQL Server Database information:

- 1 In the Management Console tree, select the farm whose SQL Servers you want to view.
- 2 Select the name of the farm above the overview pane, this will provide a drop down panel, select **SQL Servers**.

=		SharePoint On-Premi	ses-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~								
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports
SharePoint On-Premises	+ ~								
b-sp10-a-wfe1		B-SP10-A-WFE1	Serv	ers	Disabled: 0	🧮 SQL Server H	osts: 4		

3 Double Click on the SQL Server whose dashboard you want to view. Select the SQL Server's name above the viewing pane, and select **Databases** from the drop down panel.

=		Server Groups-> SG	$1 \star \rightarrow$ SQL Servers ->	B-SP13-A-DB1 ▼ → Ov	erview			
Home	<			1				
Overview		Overview	Databases	Database Files	Capacity Graphs	 Activity Graphs 	Resources Graphs	Alerts
SharePoint On-Premises	+ **							

The SQL Server Database view provides the following information about SharePoint databases on that server:

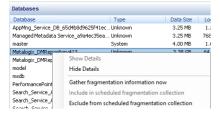
2		D Type keywords here	Databases							Details for Database: AppMi	g_Service_DB_65d4b8d9625f41ec9	6600d5 e19
Home		> Type keywords here	Database	Type	Data Size	Log Size	Fragmentation	Fragmentation Collected		Database Type:	Unknown	
Overview		SQL Servers	 AppMng_Service_DB_65d4b8d9625f41ec		3.25 MB	1.25 MB	0.00%	2:02 AM		Data File Size:	3.25 MB	
Overview		-	 Managed Metadata Service_a9a4ec35ea	Unknown	3.25 MB	768.00 KB	0.00%	2:02 AM		Data File In Use:	97.84%	
SharePoint		B-SP10-A-D81	 master	System	4.00 MB	1.00 MB	64.71%	2:02 AM		Log File Size:	1.25 MB	
SharePoint On-Premises	+		Metalogix_DMRepository413	Unknown	3.38 GB	64.50 MB	4.01%	2:02 AM		Fragmentation:	0.00% at 9/5/2019 2:02:18 AM	
		B-SP10-C-S08R	Metalogix_DMRepository414 model	Unknown System	2.37 GB 1.25 MB	64.50 MB 512.00 KB	13.57%	2:02 AM 2:02 AM			Included	
b-sp10-a-wfe1		B-SP13-A-081	model	System	1.25 MB	6.13 MB	4,94%	2:02 AM		Frag Schedule:		
			PerformancePoint Service Application_70		2.25 MB	768.00 KB	0.00%	2:02 AM		Creation Date:	8/31/2014 10:11 PM	
b-sp10-c-s08r		B-SP13-8-081	 Search_Service_Application_AnalyticsRe.		3.25 MB	1.75 MB	30.00%	2:02 AM		Status:	ONLINE	
		B-SP16-C-SA	Search_Service_Application_Craw/StoreD	Unknown	59.25 MB	68.13 MB	95.04%	2:02 AM		In Standby:	No	
b-sp19-a-sa		0-04-10-C-04	 Search_Service_Application_D6_9cdbb4		46.25 MB	90.69 MB	4.70%	2:02 AM		Auto Create Statistics:	011	
8			Search_Service_Application_LinksStoreD		17.25 MB	1.25 MB	35.67%	2:02 AM		Auto Update Statistics:	011	
SharePoint Online	+		Secure_Store_Service_D8_a2/09a49840.		2.25 MB	768.00 KB 1.41 GB	0.00%	2:02 AM		Auto Shrink:	no	
			SharePoint - 16720 SharePoint - 19364	Unknown Unknown	801.25 MB 2.51 GB	1.41 GB 160.81 MB	0.21%	2:02 AM 2:02 AM		Recovery Model:	FULL	
https://metalogixsoftware6	22-a		SharePoint - 43851	Unknown	736.25 MB	51.19 MB	0.31%	2:02 AM		User Access:	MULTI USER	
dmin.sharepoint.com			SharePoint - 9000	Unknown	736.25 MB	1.06 GB	0.24%	2:02 AM				
Server Groups	+		SharePoint_AdminContent_8d8cce31-5d	Unknown	105.25 MB	46.50 MB	3.50%	2:02 AM				
Server Groups	Ŧ		SharePoint_Config513	Unknown	243.25 MB	417.38 MB	3.15%	2:02 AM				
			SP43851	Unknown	736.25 MB	1.06 GB	0.22%	2:02 AM				
301			StateService_769c924e6e34409983dP58		2.25 MB	768.00 KB	0.00%	2:02 AM				
Settinas			< tempdb	System	792.56 MB	26.19 MB	0.00%	2:02 AM				
& Settings			TranslationService_13adecd7c231#118e User Profile Service Application_ProfileD.		2.25 MB 11.25 MB	768.00 KB 14.69 MB	0.00%	2:02 AM 2:02 AM				
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								0. Maximum growth: .0				

- Name of the **Database** as it appears in the SQL Server Management Studio.
- Database Type, such as Content, System, or Web Analytics.
- Data Size (the amount of memory used by the database)
- Log Size (the amount of memory used by the database log file)
- Percentage of database Fragmentation as of the Fragmented Collected timestamp.
- Date and time of the most recent database Fragmentation Collected.
- Total number of SharePoint Sites that store content in the database.
- For a selected database in the list:
 - Additional database properties.
 - A graphical view of growth for a selected database metric over a specified duration.

To exclude databases from the scheduled fragmentation statistics collection:

Select the appropriate database, right-click then choose **Exclude from scheduled fragmentation collection**.

You can have the database returned to the scheduled collection by choosing **Include in scheduled fragmentation collection**.



Viewing the Database Files of a Single SQL Server

The Metalogix Diagnostic Manager Database Files view lets you review individual files within the databases that the selected SQL Server instance hosts. The list includes all of the database files that the server hosts.

To view SQL Server Database Files:

- 1 In the Management Console tree, select the farm whose SQL Servers you want to view.
- 2 Select the name of the farm above the overview pane, this will provide a drop down panel, select **SQL Servers**.

=		SharePoint On-Premi	ses-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~								
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports
SharePoint On-Premises	+	0-0K 10-4-MLET			Disabled: 0	🥃 SQL Server H	ortra d		
b-sp10-a-wfe1		B-SP10-A-WFE2	— Serv	ers	Unlicensed: 0	Stdr 261611			

3 Double Click on the SQL Server whose dashboard you want to view. Select the SQL Server's name above the viewing pane, and select **Database Files** from the drop down panel.

=		Server Groups-> SG	1 ▼ → SQL Servers -> B	-SP13-A-DB1 🔹 $ ightarrow$ Dat	abases				
Home	~				1				
Overview		Overview	Databases	Database Files	Capacity Graphs	 Activity Graphs 	🔅 Resources Graphs	Alerts	
SharePoint	+								

The Database Files view includes the following information:

		-																
Home	~	P Type keywords here	SQL Server Database Files		Database	D8 Type	6 m	47 6.11	AutoCaru	May Care 1	Drive Disk Free	0.45	_	_	_			
Overview		SQL Servers	 AppMng_Service_DB_65d4				3.25 MB	100.0%		Unlimited (
		B-SP10-A-DB1	 AppMng_Service_DB_65d4				1.25 MB		10%	2048.00 GB								
SharePoint	+		Managed Metadata Service Managed Metadata Service			Unknown Unknown	3.25 MB 768.00 KB		1.00 MB 10%	Unlimited 0 2048.00 GB 0								
On-Premises		B-SP 10-C-S08R	 master			System	4.00 MB		10%	Unlimited 0								
b-sp10-a-wfe1		B-SP13-A-081	mastlog			System	1.00 MB		10%	Unlimited O								
2			Metalogix_DMRepository413 Metalogix_DMRepository41			Unknown Unknown	3.38 GB 152.50 MB		1.00 MB 64.00 MB	Unlimited 0 5.00 GB 0	46.18 GB							
b-sp10-c-s08r		B-SP13-8-D81	 Metalogix_DMRepository414	Data			2.37 GB		1.00 MB	Unlimited 0								
0		B-SP16-C-SA				Unknown	64.50 MB		64.00 MB	5.00 GB								
b-sp19-a-sa			modeldev		model	System	1.25 MB	100.0%		Unlimited 0								
			modellog			System	512.00 KB		10%	Unlimited O								
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dmin.sharepoint.com			PerformancePoint Service A	Log	Performa	Unknown	768.00 KB	51.6%	10%	2048.00 GB	46.18 GB	C:\Progra						
			Search_Service_Application				3.25 MB		1.00 MB	Unlimited O								
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ManagementConsole			3	06-30	07:00	07:30	•		08:30	99:00	09:30 11	200 10.38	11:00	11:30	12:00			13:3

- Name of the database file
- Database File Type, such as data or log
- Name of the Database where the associated database file resides
- DB Type, such as Content, System, or Web Analytics
- Name of the SharePoint Web App for which this database file stores data
- File Size
- % Full (the percentage of the allotted memory used by the database file)
- Increment by which the database file grows if you enable **Auto Growth** for the database.
- Max Size allowed for the database file.
- Name of the **Drive** where the database file resides.
- Total amount of **Disk Free** space where the database file resides.
- Database file **Path** on the drive where the file resides.
- A graphical Database File Size Summary for a specified duration.

Viewing the Active Alerts for a Single SQL Server

Metalogix Diagnostic Manager allows you to see the active alerts for all of your SQL Server instances at once, or the alerts for a single SQL Server instance when necessary.

To view the active alerts for a server:

- 1 In the Management Console tree, select the farm whose SQL Servers you want to view.
- 2 Select the name of the farm above the overview pane, this will provide a drop down panel, select **SQL Servers**.

=		SharePoint On-Premis	es-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~								
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	📩 Alerts	Reports
SharePoint On-Premises	+	D-SP M-M-WEEL			Disabled: 0				
b-sp10-a-wfe1		B-SP10-A-WFE1		ver	Unlicensed: 0	🧮 SQL Server H	osts: 4		

3 Double Click on the SQL Server whose dashboard you want to view. Select the SQL Server's name above the viewing pane, and select **Alerts** from the drop down panel.

=		Server Groups-> 50	G1 \star \rightarrow SQL Servers ->	B-SP13-A-DB1 + Ale	rts			
Home	~							
Overview		Overview	Databases	0 Database Files	Capacity Graphs	 Activity Graphs 	🗱 Resources Graphs	Alerts
sharePoint	+							

4 This will open the Active Alerts window.

		D Type keywords here	Active Al	erts (8 alerts)						
Home		P Type keywords here		Change	Time	Alert	Server	Instance	Value	
Overview		SQL Servers	 3	No change	9/9/2019 12:43:53 PM	Instance hosted on Virtual Server	8-SP13-A-D81	[8-SP13-A-D81]		
Overview		-	 X 3	No change	9/9/2019 12:43:53 PM	Max Server Memory is High	8-SP13-A-D81	[8-SP13-A-D81]	2 PB	
SharePoint	+	8-SP10-A-DB1	 3	No change	9/9/2019 12:43:53 PM	Log Files Size is High	8-SP13-A-D81	[8-SP13-A-D81].SharePoint - 16720	2 G8	
On-Premises	Ŧ	B-SP 10-C-S08R	1 3	No change	9/9/2019 12:43:53 PM	Log Files Size is High	8-SP13-A-D81	[8-SP13-A-D81].SP43851	1 G8	
b-sp10-a-wfe1			1 3	No change	9/9/2019 12:43:53 PM	Log Files Size is High	B-SP13-A-DB1	[B-SP13-A-DB1].SharePoint - 9000	1 GB	
0-shin-g-miet		B-SP13-A-DB1	1 3	No change	9/9/2019 2:01:54 AM	SQL Server Database Fragmentation	8-SP13-A-D81	[8-SP13-A-D81].WSS_Logging	56.9%	
b-sp10-c-s08r		B-SP13-8-D81	 X 3	No change	9/9/2019 2:01:54 AM	SQL Server Database Fragmentation	8-SP13-A-DB1	[B-SP13-A-DB1].Search_Service_App		
b-sp19-a-sa		B-SP16-C-SA	 3	No change	9/9/2019 2:01:54 AM	SQL Server Database Fragmentation	B-SP13-A-DB1	[B-SP 13-A-DB 1].master	64.7%	
SharePoint Online			Page 1 of 1 (8 items) <<	< 1 > >>	Page size: 1500 -				
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Server Groups	+			ning nce hosted on Virtu	al Server				Clear Alert	Yew
			Insta							
501			Serve							
			Time	9/9/2019 1	2:43 PM					
Settings										
-			Farm	SG1	Waming					
CollectionService			Farm	SG1 ge: Remained		erver				
CollectionService			Farm Chan SQL	SG1 ge: Remained Server instance (B-Si	P13-A-DB1] is hosted on a virtual se	erver.				
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CollectionService ManagementConsole			Farm Chan SQL Knov This	SG1 ge: Remained Server instance (B-Si wiedge Base Article SQL Server instance	P13-A-DB1] is hosted on a virtual se e is hosted on a virtual server. It is re		ance that SQL Server instance	es be hosted on physical servers. SQL Server operati	ions can be very resource and IO in	intensive
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CollectionService ManagementConsole Options			Farm Chan SQL Knov This	SG1 ge: Remained Server instance (B-Si wiedge Base Article SQL Server instance	P13-A-DB1] is hosted on a virtual se e is hosted on a virtual server. It is re	commended for maximum SQL Server performa	ance that SQL Server instance	ns be hoaled on physical servers. SOL Server operat	ons can be very resource and D i	intensk

See also <u>Using Alerts</u>.

Viewing the Performance of a Single SQL Server

To view graphical performance data for a single SQL server:

- NOTE: In the case of SQL AlwaysOn, some performance data will be collected for *active* nodes only.
- 8 In the Management Console tree, select the farm whose SQL Servers you want to view.
- 9 Select the name of the farm above the overview pane, this will provide a drop down panel, select **SQL Servers**.

≡		SharePoint On-Premis	es-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~	·							
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports
SharePoint On-Premises	+								
b-sp10-a-wfe1		B-SP10-A-WFE1			Disabled: 0	🥃 SQL Server Ho	osts: 4		

10 Double Click on the SQL Server whose dashboard you want to view. Select the SQL Server's name above the viewing pane, and select **Capacity Graphs** from the drop down panel.

=		Server Groups-> S	$51 \star \rightarrow$ SQL Servers ->	B-SP13-A-DB1 ▼ → Ale	erts			
Home	~					_		
Overview		Overview	Databases	01 Database Files	Capacity Graphs	Activity Graphs	Resources Graphs	Alerts
SharePoint	+]		

11 This will open the Capacity Graphs Page.

	_	Server Groups-> SG1																0
Home	~	P Type keywords here	Data Fi	les Total •						i II 🖸	Log Files	Total •						0
Overview		SQL Servers			٠				•		480							
SharePoint On-Premises	+	B-SP10-A-081		000							450							
		B-SP10-C-S08R		000							420							
b-sp10-a-wfe1 b-sp10-c-s08r		8-5913-A-081	 14	000							360							
b-sp10-c-s08r		B-SP13-8-081		000							330							
b-sp19-a-sa		B-SP16-C-SA	40	000							300							
SharePoint Online	+		₩ 9	000							₩ 240							
https://metalogixsoftware62 dmin.sharepoint.com	22-a			000							210							
Server Groups	+			000							150							
SG1			4	000							120							
Settings				000							60							
-			1	000							30							
CollectionService				10:00	10:30	11:00	11:30 1	2.00 12.30	13:00	13:30		10:00	10:30	11:00 11:	30 12:00	12:30	13:00	13:30
ManagementConsole			Disk Sp	ace (GB) S	ize and Free S	ipace Per Di	ive •			i II 🖸	Disk Fre	:(%) Perc	ent Free By D	rive +				
Options			10	0						Disk Free	100							
Help			9							Disk Used	90							
			8								80							
			71	5							70							
			71 63	s							60							
			0								* 50							
			8 9								40							
			41	0							30							
			3	0														
			2	6 0							20							
				5							10							
				5							0		C			Handdis	skVolune1	

To View Activity Graphs for a single SQL Server:

1. In the Management Console tree, select the farm whose SQL Servers you want to view.

2. Select the name of the farm above the overview pane, this will provide a drop down panel, select **SQL Servers**.

=		SharePoint On-Premis	es-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports
SharePoint On-Premises	+	D-SK TO-W-MLET			Disabled: 0				
b-sp10-a-wfe1		B-SP10-A-WFE2	Serve	rs	Unlicensed: 0	🥃 SQL Server Ho	osts: 4		

3. Double Click on the SQL Server whose dashboard you want to view. Select the SQL Server's name above the viewing pane, and select **Activity Graphs** from the drop down panel.

		Server Groups-> S	$G1 \star \rightarrow SQL$ Servers ->	> B-SP13-A-DB1 → Al	erts			
Home	~							
Overview		Overview	Databases	0 Database Files	Capacity Graphs	Activity Graphs	Resources Graphs	🔔 Alerts
sharePoint	+							

4. This will open the Activity Graphs Page

Home	P Type keywords here	Instance Transactions: Per Second -	👔 📃 🔲 Database Transactions: Per Second 🗸	3
Overview	SQL Servers		o	
SharePoint	+ B-SP10-A-081	1000	540	1
On-Premises	+ B-SP 10-C-SOBR	800	480	
b-sp10-a-wfe1	··· 8-SP13-A-081	800	450	
b-sp10-c-s08r	🔒 8-5P13-8-081	700	390	
b-sp19-a-sa	B-SP16-C-SA	800	2 380 2 300 2 300	
SharePoint Online	+ -	500	9 770	
https://metalogixsoftware62 dmin.sharepoint.com	22-a	400	2 240 210	
		300	180	
Server Groups	+ ~		150	
SG1		200 -		
Settings		100	80	
CollectionService		0 10:00 10:30 11:00 11:30	12:00 12:30 13:00 13:30 10:00 10:30 11:00	11:30 12:00 12:30 13:00 13:31
ManagementConsole		Activity: User Connections -	🗃 🔡 🔲 Caching: Page Life Expectancy -	
Options				
Help		420	7000	
		390	6500	
		380	5500	
		300 -	5000	
		270 -	4500	
		270		
		240	9 4000 8 3500	
		240		
		240	500 1000 1000 1000 1000 1000 1000 1000	
		240 210 100 100 120 120 120	2000 2000 2000 2000 1000	
		240 210 150 150 150	800 2000 2000	

To View Resources Graphs for a single SQL Server:

- 1. In the Management Console tree, select the farm whose SQL Servers you want to view.
- 2. Select the name of the farm above the overview pane, this will provide a drop down panel, select **SQL Servers**.

=		SharePoint On-Premis	es-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports
SharePoint On-Premises	+	D-OKTO-W-MLET			Disabled: 0	SQL Server H			
b-sp10-a-wfe1		B-SP10-A-WFE2	Ser	vers	Unlicensed: 0	SQL Server H	osts: 4		

3. Double Click on the SQL Server whose dashboard you want to view. Select the SQL Server's name above the viewing pane, and select **Resources Graphs** from the drop down panel.

		Server Groups-> SG	$\bullet \rightarrow SQL$ Servers -> B	-SP13-A-DB1 ▼ → Alert	S			
Home	<							
Overview		Overview	Databases	Database Files	Capacity Graphs	 Activity Graphs 	🔅 Resources Graphs	Alerts
SharePoint	+ ~							

4. This will open the Resources Graphs Page.

=			ers -> B-SP13-A-DB1 • → Resources Graphs		() V
Home		P Type keywords here	Server: B-SP13-A-DB1		
Overview		SQL Servers	CPU Total Usage (%) •	ii 🗆 🗖	Network Total KBytes/sec -
SharePoint On-Premises	+ ~	B-SP10-A-D81 B-SP10-C-S08R		\sim	
b-sp10-a-wfe1		B-SP13-A-D81	70 8 8 9	*	
b-sp10-c-s08r		B-SP13-8-081	60 8 50		
b-sp19-a-sa		B-SP16-C-SA	40		400
SharePoint Online	+		20		200
https://metalogixsoftware dmin.sharepoint.com	622-a		10	13.30	0 - C - C - C - C - C - C - C - C - C -
Server Groups	+		Memory Physical (MB) -	0 🗆 🗖	Page Life Expectancy (sec)
5G1					
💥 Settings			7000		7000
CollectionService			6000		6000 C C C C C C C C C C C C C C C C C C
ManagementConsole			5000		2 4000
@ Options			₩ 4000		8 3000
(?) Help			2000		2000 -
(r) Help			1000		1000 -
			0	13.30	0
			Disk Used Size and Free Space Per Drive +	ii ii ii	
			100	Disk Free	90
			80	Disk Used	80
			80		80
			8 50		40
			40		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
			20		20
			10		C: HarddiskVolume1
			C. Herdslok/Volume1		Elisk Free

The data that populates these graphs is collected by Server Performance data collection (which, by default, runs every six minutes). The graphics will be refreshed according to the auto-refresh schedule specified in the <u>Management Console Preferences dialog</u>.

Now you can:

- change the time and duration of displayed data, and
- view more details.

See Working with Graphical Server Data for details.

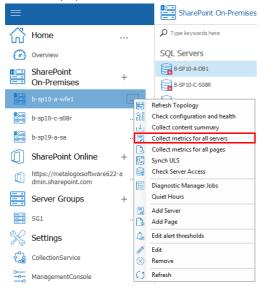
Collecting Server Metrics Immediately

Metalogix Diagnostic Manager lets you immediately collect server performance metrics for all of the servers in a monitored farm.

To collect server performance metrics for all servers in a farm immediately:

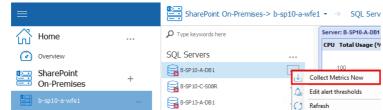
1 In the Management Console select the farm whose server metrics you want to collect.

2 Click the (...) next to the name and select **Collect metrics for all servers**.



To collect server performance metrics for all servers in a farm immediately:

- 1. In the Management Console select the farm whose server metrics you want to collect, and the specific server for which you want to collect metrics.
- 2. Click the (...) next to the name and select Collect metrics now.



Monitoring SharePoint and Web Pages

Metalogix Diagnostic Manager helps you monitor the availability and load times of individual SharePoint pages, public Web pages, and—if you are registered with Cloud Services— Cloud pages. You can use alerts to help you find when a page needs your attention. You can <u>set default alert</u> <u>thresholds</u> for all pages or individual pages.

i NOTE: For SharePoint on-premises pages, you can also monitor the components that make up the pages.

To monitor a page, you first <u>add a SharePoint on-premises farm</u> or <u>Server Group</u> to Metalogix Diagnostic Manager. You can then <u>add a page to monitor</u>. After you have added a page, you can <u>edit</u> <u>the monitored page settings</u> as needed.

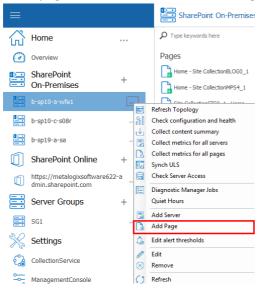
If you want to monitor Web pages from a machine that does not have internet access or if you want a secure connection, you can <u>configure Web proxy settings</u>.

Adding a Page to Monitor

To add a page to monitor:

1. Use one of the following options:

In the Management Console tree, select the (...) next to the farm or server where you wish to add a page to monitor, and select Add Page.



OR

In the Management Console tree, select the farm or server you wish to add a page to monitor to, once the overview pane for that farm opens, select the farm name above the pane, from the drop down panel, select Pages.

		/	0.0						
		SharePoint On-I	remises-> b-sp10-a-wfe1 \star \rightarrow	Pages					
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports
SharePoint On-Premises	+								
	e sele	ct the (+) symbol ne	ext to Page	es, in orde	r to add a	page.		
	,			-			0.00		
			SharePoint C	On-Premises-> b-s	sp10-a-wfe1 🔹 🖃	Pages			
Home		~	P Type keywords here		🕒 Mo	onitored Pages			
Overview			Pages		+ 🔓	OK All monitored pag			
🖳 SharePoin	t	+	Home - Site Collect	ionBLOG0_1					
On-Premis	ses	т	Home - Site Collect	ionMPS4_1					
distant.									

- 2. Select a Page Type:
 - SharePoint (on-premises)
 - SharePoint Online
 - Public Web Page
 - if you are registered for Cloud Services, Cloud.

Farm Name:	2013 SharePoint
Page Type:	SharePoint (on-premises)
Page Address:	SharePoint (on-premises) SharePoint Online
Page Name:	Public Web Page Metalogix Cloud

3. For Page Address, either:

• Enter the full URL to the page you want to monitor.

OR

- Browse to the page as follows:
- a) Enter the URL to the site that contains the page you want to monitor.
- b) Click [...].
- c) Click [Load Page] to display the Select Page To Monitor dialog.
- d) Navigate to the page you want to monitor.

Select Page To Monitor			2 X
		Lists/Site Collection Statistics/AllItems. containing the page and navigate to th	
Site Actions 👻 🛛 🛛 Brow	List Tools se Items List		James Joyce 🗸
	ntrolPoint Configura	tion Site > Site Collection	n Statistics 🕨 🔄
Metalogíx All	Items -		E
Cont	trolPoint Site Collection S	tatistics	
Home			Search this site
Libraries	Site Collection Name	URL	
Axceler Menus	AbdulTest 📓 NEW	http://qa2010farmvm2:9024/s	sites/AbdulTest
Lists	ControlPoint Configuration Site	http://qa2010farmvm2:1818	
ControlPoint Settings Farm Statistics	Declare as Record	http://qa2010farmvm2:10403/	/sites/declare
Web Application Statistics	Declared Records and Legal Holds	http://qa2010farmvm2:10403/	/sites/records
Site Collection Statistics	ST NEW		
Custon Properties	Document Workspace III NEW	http://qa2010farmvm2:22323/	
•	m		
			<u>O</u> K <u>C</u> ancel

- e) Click **[OK]**.
- 4. In the Add Monitored Page dialog box, specify the **Page name** the Management Console should use for the page. If you used the browse option to locate the page, the page title is the default page name. You can change this default title, if necessary.

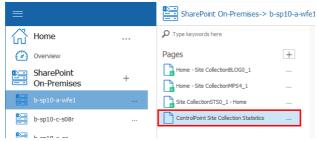
Page		
SharePoint 2010 intranet		
SharePoint (on-premises)	-	
http://qa2010farmvm2:1818		· <u></u>
ControlPoint Site Collection Statistics		
	SharePoint (on-premises) http://qa2010farmvm2:1818	SharePoint 2010 intranet SharePoint (on-premises) http://qa2010 farmvm2:1818

- 5. For **Page Load Time**, make sure the option is checked and, if different from the default (every 15 minutes), select the interval at which you want Metalogix Diagnostic Manager to check load time.
- NOTE: You can check load time every minute, 15 minutes, or 60 minutes.
- 6. Use the information in the table below to determine the appropriate next step.

If you are adding	Then
a page from a SharePoint On- Premises monitored farm	 <u>specify additional Page Monitoring options</u>. NOTE: Currently, you can only monitor Page Load Time for SharePoint Online, Public, and Cloud pages.
a SharePoint Online or Cloud Web page	complete the Page Credentials section with the Username and Password you want Metalogix Diagnostic Manager to use to check page load time.
	Farm Name: 2013 SharePoint Page Type: SharePoint Online Page Address: https://metalogixsoftware-admin.sharepoint.com/_layouts/15/online/SteCollections.aspx Page Name: SharePoint Online Admin Site Page Name: SharePoint Online Admin Site Page Name: SharePoint Online Admin Site Page Ioad Time Image Collection and availability information every 15 minutes Visername: Testuser1@metalogixsoftware.onmicrosoft.com Password: Image Credentials Visername: Testuser1@metalogixsoftware/onmicrosoft.com Page Credentials Image Credentials Visername: Testuser1@metalogixsoftware/onmicrosoft.com Page was loaded successfully. Image Credentials

7. Click [OK].

The page now displays in the Pages section.



Setting SharePoint Monitored Page Component Analysis and Web Front End Options

When you add a SharePoint on-premises page to monitor, you can configure the data that Metalogix Diagnostic Manager collects. You can also control which Web front end (WFE) servers the Collection Service uses to collect data. By default, the Collection Service uses the URL you supply to collect data.

NOTE: If you collect data from select or all WFEs, alternate access mapping, it is no longer required if you are going to monitor pages hosted on a Network Load Balancer, using a Host Header or HostNamed Site Collection. In other scenarios Alternate Access Mapping is still required if you want to use the select or all WFEs options.

REMINDER: For SharePoint Online, public Web pages and Cloud pages, you can only monitor Page Load Times.

From the **Add** (or **Edit**) **Page** dialog you can choose one or more of the following additional options for monitoring SharePoint on-premises pages:

Page Type: SharePoint (on-premises) Page Address: http://2010foundation/sites/alpha Page Address: http://2010foundation/sites/alpha Page Name: Alpha Snack Foods Page Monitoring Options Page Load Time Collect load time and availability information every 15 minutes Page Component Analysis (requires installation of the SPDM Component Analysis solution) Collect individual page component render times every 60 minutes Web Front Ends Specifies the target servers tested for this page. When collecting from WFEs, we adjust the page URL to use each W host name. This requires that the WFEs be listed in the alternate access mapping for your site. Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server 2010Foundation	Farm Name:	2013 SharePoint
Page Address: http://2010foundation/sites/alpha Page Name: Alpha Snack Foods Page Nonitoring Options		
Page Name: Alpha Snack Foods Page Monitoring Options Page Monitoring Options Page Load Time Collect load time and availability information every 15 minutes Page Component Analysis (requires installation of the SPDM Component Analysis solution) Collect individual page component render times every 60 minutes Web Front Ends Specifies the target servers tested for this page. When collecting from WFEs, we adjust the page URL to use each W host name. This requires that the WFEs be listed in the alternate access mapping foryour site. Collect data using the provided URL Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server		
Page Monitoring Options Page Load Time Collect load time and availability information every 15 minutes Page Component Analysis (requires installation of the SPDM Component Analysis solution) Collect individual page component render times every 60 minutes Web Front Ends Specifies the target servers tested for this page. When collecting from WFEs, we adjust the pageURL to use each W host name. This requires that the WFEs be listed in the alternate access mapping for your site. Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server	-	
 Page Load Time Collect load time and availability information every 15 minutes Page Component Analysis (requires installation of the SPDM Component Analysis solution) Collect individual page component render times every <u>60 minutes </u> Web Front Ends Specifies the target servers tested for this page. When collecting from WFEs, we adjust the page URL to use each W host name. This requires that the WFEs be listed in the alternate access mapping for your site. Collect data using the provided URL Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server 	Page Name:	Alpha Shack Foods
Collect load time and availability information every 15 minutes Page Component Analysis (requires installation of the SPDM Component Analysis solution) Collect individual page component render times every 60 minutes - Web Front Ends	— Page Monito	ring Options
Page Component Analysis (requires installation of the SPDM Component Analysis solution) Collect individual page component render times every 60 minutes Web Front Ends Specifies the target servers tested for this page. When collecting from WFEs, we adjust the page URL to use each W host name. This requires that the WFEs be listed in the alternate access mapping for your site. Collect data using the provided URL Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server	🗷 Page Load	Time
Collect individual page component render times every 60 minutes Web Front Ends Collect data using the provided URL Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server	Collectioa	d time and availability information every 15 minutes 💽
Collect individual page component render times every 60 minutes Web Front Ends Collect data using the provided URL Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server	Page Comp	
Web Front Ends Web Front Ends Collect data using the provided URL Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server		onent Analysis (requires installation of the SPUM Component Analysis solution)
Specifies the target servers tested for this page. When collecting from WFEs, we adjust the page URL to use each W host name. This requires that the WFEs be listed in the alternate access mapping for your site. Collect data using the provided URL Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server		
host name. This requires that the WFEs be listed in the alternate access mapping for your site. Collect data using the provided URL Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server		
Collect data using the provided URL Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server	Collecting	dividual page component render times every 60 minutes
Collect from ALL Web Front Ends Collect from ONLY the following Web Front Ends Web Front End server	Collectine — Web Front I Specifies the t	dividual page component render times every 60 minutes Ends arget servers tested for this page. When collecting from WFEs, we adjust the pageURL to use each WFE
Web Front End server	Collecting — Web Front I Specifies the t host name. Th	dividual page component render times every 60 minutes Ends arget servers tested for this page. When collecting from WFEs, we adjust the page URL to use each WFE is requires that the WFEs be listed in the alternate access mapping for your site.
Web Front End server	Collecting — Web Front I Specifies the t host name. Th O Collect dat	dividual page component render times every 60 minutes Ends
	Collecting 	dividual page component render times every 60 minutes Ends
2010Foundation	Collecting — Web Front I Specifies the t hostname. Tr Collect dat Collect from Collect from	dividual page component render times every 60 minutes Ends arget servers tested for this page. When collecting from WFEs, we adjust the page URL to use each WFE his requires that the WFEs be listed in the alternate access mapping for your site. a using the provided URL m ALL Web Front Ends m ONLY the following Web Front Ends
	Collecting — Web Front I Specifies thet hostname. Th Collect dat Collect from Collect from Web From Web From	dividual page component render times every 60 minutes Ends arget servers tested for this page. When collecting from WFEs, we adjust the page URL to use each WFE is requires that the WFEs be listed in the alternate access mapping for your site. a using the provided URL m ALL Web Front Ends m ONLY the following Web Front Ends nt End server
	Collecting — Web Front I Specifies thet hostname. Th Collect dat Collect from Collect from Web From Web From	dividual page component render times every 60 minutes Ends arget servers tested for this page. When collecting from WFEs, we adjust the page URL to use each WFE is requires that the WFEs be listed in the alternate access mapping for your site. a using the provided URL m ALL Web Front Ends m ONLY the following Web Front Ends nt End server
	Collecting — Web Front I Specifies thet hostname. Th Collect dat Collect from Collect from Web From Web From	dividual page component render times every 60 minutes Ends arget servers tested for this page. When collecting from WFEs, we adjust the page URL to use each WFE is requires that the WFEs be listed in the alternate access mapping for your site. a using the provided URL m ALL Web Front Ends m ONLY the following Web Front Ends nt End server
	Collecting — Web Front I Specifies thet hostname. Th Collect dat Collect from Collect from Web From Web From	dividual page component render times every 60 minutes Ends arget servers tested for this page. When collecting from WFEs, we adjust the page URL to use each WFE is requires that the WFEs be listed in the alternate access mapping for your site. a using the provided URL m ALL Web Front Ends m ONLY the following Web Front Ends nt End server

Option	Description
Page Component Analysis	When checked, Metalogix Diagnostic Manager checks the server-side render times for each component on the monitored page. Monitoring the render times lets you to examine the impact of each component that makes up the page on the page performance.
	You can control how often the component analysis is performed. You can perform component analysis every 15 minutes, 60 minutes, or 4 hours (240 minutes). The default is to check every 60 minutes.
	If the Metalogix Diagnostic Manager solution is not installed on the farm, you cannot collect page component analysis information.
	NOTE : If the Component Analysis solution is not installed on a farm and you select Page Component Analysis, Metalogix Diagnostic Manager displays critical alerts for the page. The alerts indicate that the solution is not installed.

Option	Description
Collect data using	When you monitor a page, you can specify what sources that the Collection Service uses when it retrieves page load time or component analysis information from the SharePoint farm.By default, the Collection Service uses the URL that you specify to collect the page load time data from the farm. You can also collect data from all WFEs or from specific WFEs that you select.

To set the page component analysis data collection schedule:

- 1. In the Add Monitored Page dialog box, Page Monitoring Options section, select the **Page Component Analysis** check box.
- 2. Select how often you want to collect the data from the Collect individual page component render times every x minutes/hours drop-down list.

To change "Collect" options:

If you want to collect data	Then
using the exact URL that you specify	select Collect data using the provided URL NOTE : If no additional data collection (WFE) option is specified, the SharePoint farm assigns a WFE to service the request. Any WFE in the farm can respond.
from all Web Front End servers in the farm	select Collect from ALL Web Front Ends.
from specific Web Front End servers in the farm	 select Collect from ONLY the following Web Front Ends AND check the box to the left of each Web Front End from which you want to collect data.

Use the information in the following table to determine the appropriate option(s) to select.

You can also use data collection options in combination. For example, if your environment uses a load balancer, selecting *both* URL and Web Front End options will allow you to monitor both the load balancer and the Web Front Ends that use it.

Viewing Page Status

Metalogix Diagnostic Manager lets you view the status of the pages that you specify on your SharePoint farm or Server Group. For each page, you can monitor a variety of data points. You can use this information to identify problems in your deployment. Once you have identified the existence of issues, you can then enable component analysis and isolate those components that interfere with optimal performance.

You can monitor pages for availability and load time at all times or only when you suspect a problem. When you discover a problem in a SharePoint farm, you enable Page Component Analysis on the affected page and then review the details for the affected page. When you perform a Page Component Analysis, the Collection Service uses the Metalogix Diagnostic Manager Component Analysis solution to analyze the page on the WFE server. The analysis lets you review the performance of each component that makes up the page and the impact that each component has on the overall load time.

You can also choose to analyze page and component load times and availability on all Web front end (WFE) servers or only on a subset of the WFE servers. Alternatively, you can choose to analyze components and load times on whatever WFE is assigned by the load balancing inherent in your SharePoint farm.

Viewing the Status of All Monitored Pages in a Farm

The Monitored Pages view lets you see the status of all the monitored pages for a single farm or Server Group.

To view the status of all of the monitored pages in a farm:

- 1 In the Management Console tree, double click on the farm or Server Group whose monitored pages you want to view.
- 2 Select the farm's name above the overview pane, and from the drop down panel click Pages.

=		SharePoint On-Premis	ses-> b-sp10-a-wfe1 \star \rightarrow	Pages					
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🙏 Alerts	Reports
SharePoint On-Premises	+ ~					L			

The Pages view contains the following information:

≡		SharePoint On-Premises-> b-s	SharePoint On-Premises > bsp10-a-wfe1 + -> Pages											() V
Home		₽ Type keywords here		🗅 Monit	tored Pages								As	016010/2019 10:53 AM
Overview		Pages	+	C.	Critical 1 page in critical state	Page Status	1	Farm Information						
SharePoint On-Premises	+	ControlPoint Site Collection Statistics				👔 Warning: 🎅 OK: Ռ Disabled:	0	Active Page Alerta: 1						
b-sp10-a-wfe1		Home - Site CollectionMPS4_1		Enter te	xt to search	L Disabled:	• • Er	d Clear						
b-sp10-c-s08r		Site CollectionSTS0_1 - Home						Monitored Pages				Load Time	Con	iponent Analysis
b-sp19-a-sa					Page Title			Address	Status	Target WFEs 🔺	Status		Status	Last Collected
SharePoint On	line +				me - Site CollectionBLOG0_1			http://b-sp10-a-wfe1:37108/sites/SC_BLOG0_1/default.aspx	ОК	AI_WFEs	_	9/10/2019 10:51 AM	V	9/10/2019 10:21 AM
JindiePoint On	iiiie T			🗉 🔓 Col	ntrolPoint Site Collection Stati	stics		http://qa2010farmvm2:1818	Critical	URL	×	9/10/2019 10:51 AM	OFF	N/A
https://metalogios				🛨 ଢ Ho	me - Site CollectionMPS4_1			http://b-sp10-a-wfe1:37108/sites/SC_MPS4_1/default.aspx	OK	WFE_Selected	V	9/10/2019 10:51 AM	V	9/10/2019 10:51 AM
dmin.sharepoint.c	om			🗉 ଢ sit	e CollectionSTS0_1 - Home			http://b-sp10-a-wfe1:37108/sites/SC_STS0_1/SitePages/Home.aspx	OK	WFE_Selected	<	9/10/2019 10:51 AM	V	9/10/2019 10:21 AM

The Top of the Monitored Pages view contains the following information:

- A summary of the monitored pages on the farm or Server Group.
- Information about the farm or Server Group itself, including the number of active alerts.

The Monitored Pages list shows each page being monitored along with the following information:

- **Target WFEs** (that is, the source the Collection Service uses to collect page data, which is one of the Page Monitoring Options)
- the overall page Status
- the Load Time Status and date/time this information was Last Collected.
- If the Component Analysis solution has been deployed, the **Component Analysis Status** and date/time this information was **Last Collected**.

Expand a page to display the source(s) used for page data collection.

NOTE: If you want to expand all pages in the list, right-click in the grid and choose Expand All.

	Monitored Pages				Load Time	Соп	ponent Analysis
Page Title	Address	Status	Target WFEs 🔺	Status	Last Collected	Status	Last Collected
Home - Site CollectionBLOG0_1	http://b-sp10-a-wfe1:37108/sites/SC_BLOG0_1/default.aspx	ОК	All_WFEs	V	9/10/2019 10:51 AM	~	9/10/2019 10:21 AM
B-SP10-A-WFE2		ОК	WFE	 Image: A second s	9/10/2019 10:51 AM	~	9/10/2019 10:21 AM
B-SP10-A-WFE1		ОК	WFE	 Image: A second s	9/10/2019 10:51 AM	 Image: A second s	9/10/2019 10:21 AM
ControlPoint Site Collection Statistics	http://qa2010farmvm2:1818	Critical	URL	X	9/10/2019 10:51 AM	OFF	N/A
👔 qa2010farmvm2 (URL Host)		Critical	URL	×	9/10/2019 10:51 AM	OFF	N/A
Home - Site CollectionMP54_1	http://b-sp10-a-wfe1:37108/sites/SC_MPS4_1/default.aspx	ОК	WFE_Selected	 Image: A second s	9/10/2019 10:51 AM	 Image: A second s	9/10/2019 10:51 AM
B-SP10-A-WFE1		ОК	WFE	v	9/10/2019 10:51 AM	 Image: A second s	9/10/2019 10:51 AM
Site CollectionSTS0_1 - Home	http://b-sp10-a-wfe1:37108/sites/SC_STS0_1/SitePages/Home.aspx	OK	WFE_Selected	 Image: A second s	9/10/2019 10:51 AM	 Image: A second s	9/10/2019 10:21 AM
B-SP10-A-WFE2		ОК	WFE	 Image: A second s	9/10/2019 10:51 AM	 Image: A set of the set of the	9/10/2019 10:21 AM

You can also use the search box to locate all instances of a text string within the list.

From the Monitored Pages ribbon, you can choose to:

- Filter results by selecting/deselecting check boxes
- View either All Pages or By Status.
- Add a page.
- Remove a page
- Edit the settings for a monitored page

- Disable a page.
- Enable a disabled page.
- Edit the page alert thresholds
- View the active alerts for the monitored pages
- Collect page load metrics immediately
- Refresh the monitored page list
- View details of a single monitored page

Viewing the Status of a Single Monitored Page

The Page Status view provides an in-depth view of the status of a single monitored page. You can also review configuration and page performance information using this view.

If data collection is disabled for a page, Metalogix Diagnostic Manager displays only the Summary tab.

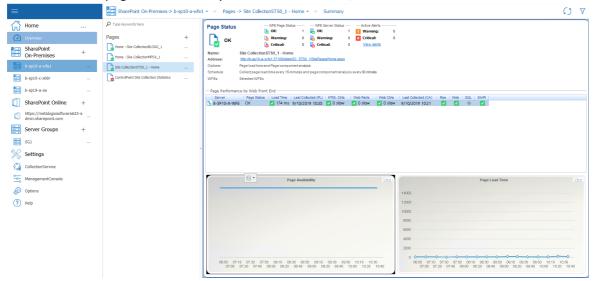
i NOTE: that the information may be out of date as the data on the tab is current as of the time of the last data collection.

To view the status for a single monitored page:

- 1 In the Management Console tree, double click on the farm or Server Group whose monitored pages you want to view.
- 2 Select the farm's name above the overview pane, and from the drop down panel click **Pages**.



3 Double click the page whose status you would like to view/monitor.



The following information is available in the Page Status view:

🗋 Alpha Docu	ments (http://2010	foundation	/sites/alpha	/Shared Docu	iments/Form	s/AllIten	ns.asp	ox)							Load time data	as of 4/23/2015 1:25 P
Page Status		NFE Page Stat. OK:		WFE Server Statu OK:		ive Alerts arning:		0								
[ок	D	Warning: Critical:	0 🔒	Warning: Critical:	1 🔀 CI	-		0								
Name: Address: Options: Schedule: WFEs:	Alpha Documents http://2010foundation Page load time and Collect page load ti Test using provide	pn/sites/alpha/S Page compon me every 15 mi d URL only (Do	ent analysis inutes and pag	gecomponentan	alysis every 60	minutes										
	nce by Web Front 6															
Server	Page Status		HTML Ctris		Web Ctris O slow	Res	Web	SQL	ShrPt	Last Collected 4/23/2015 1:00 PM						
			Page Ar	vailability					View	2 5500 5000 4500 4000 3500 3500 2500 2000 1500 1000 500		Pag	e Load Time	~		Vew
11:50	12:00 12:1	10 12:20	12:30	12:40 1:	2:50 13:0	0 13	:10	13:20		11:50	12:00 12:10	12:20 12:	30 12:40	12:50 1	200 13:10	13:20

- The status of the page on each monitored Web front end (WFE) **Server**. If the page is a URL-only page, the server is listed as a URL Host.
- The number of currently-Active Alerts for the page, categorized by type.
- The Page Name that was assigned when the page was added.
- The Page Address (URL) in the SharePoint farm.
- The **Schedule** used by the Collection Service to retrieve the page information.
- Which Web Front Ends (WFEs) the page information is collected from.

Note that status information captured depends on the server role. For example, a load balancer will not have data for Web, SQL, or SharePoint

To view page details by Web front end:

In the Page Status Summary view, double-click a Web front end server.

Page x WFE Status OK -Active Alerts - Yex -	33 HTML 30 orendering v 0 orendering s 33 rendering Average render tim	ery slowly lowly fast	7 Web Parts 0 rendering very slowly 0 rendering slowly 7 rendering fast age render time: 60 ms	53 Web C 53 Web C 0 orendering v 53 rendering Average render tim	ery slowly lowly fast				
Critical: 0	- Worst Performi	ng Page Components	5						
Overview Component-Analysis as of 9/102019.1021 AM Total page components. 153 Monitored components. 153 Page size: 158 KB Page size: 158 KB Page rendert time: 93 ms Page load time: 258 ms WFE: B-SPID-A-WFE1	150	Web Parts	5	200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	eb Controls		H1 120 90 60 30 0	tml Contro	ols
URL Tested For this WFE: http://B-SP10-A	Name	Render Time	Status	Name	Render Time	Status	Name	Render Time	Status
WFE1371005/tes/SC_BLOGO_t/default	Untitled Links Poots About this blog About this blog Archives Blog Tools Categories		Good Good Good Good	cl00_cd11 cl00_cd11 cl00_placeholdeFormD. cl00_placeholdeFormD. cl00_placeholdeForm cl00_placeholdeForm cl00_placeholdeForm cl00_placeholdef.cf11. cl00_placeholdef.cf11. cl00_placeholdef.cf11.	0.23438	Good Good Good Good Good Good Good	Istfeed.aqpx blogabout56.png cui,js blog.css figimo.png core.js IsSSup.js blank.gf WebResource.axd menualert.gf	0.04688 0.01562 0.01562 0.01562 0.01562 0.01562 0.01562 0.01562	Good Good Good Good Good Good Good

The Page Details by Web Front End tab includes information about the page as loaded from a particular WFE server.

To view more details about graphs:

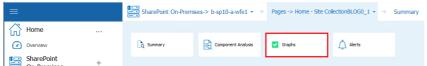
In the Page Status view, either:

• Click the **View** hyperlink within an available graph.



OR

• Select the **Graphs** tab, avialable when you select the Monitored Page name above the overview, which then produces a drop down panel.



The Graphs tab includes detailed versions of the graphs on the Summary tab.

=			SharePoint On-Premises-> b-sp	10-a-wfe	1 × → Pag	jes -> Home	- Ste Colecti	ionBLOG0_:	1 • → G	raphs									0	∇
ŵ	Home	~	P Type keywords here							Page Availa	bility (Hour b	y llour over th	e last 38 days)							-
0	Overview		Pages	+	_															4
12	SharePoint		ControlPoint Site Collection Statistics																	2
	On-Premises	+	Home - Site Collection8LOG0_1																	
	b-sp10-a-wfe1		Home - Site CollectionMPS4_1																	
18	b-sp10-c-s08r		Site CollectionSTS0_1 - Home																	
13	b-sp19-a-sa																			
	SharePoint Online	+																		
۵	https://metalogiosoftware622 dmin.sharepoint.com	a																		
	Server Groups	+																		
	SG1				07.10 0	17:20 07:30 0	7:40 07:50 0	08.00 08.10	08:20 08:30	08:40 08:	50 09:00	08:10 08:20	09.30 09.40	09:50 10.1	0 10:10 1	2.20 10.30	10.40 10.50	11:00		
8	Settings										Page Lo	oad Time (ms)								
0	CollectionService				30000 26000															1
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	ManagementConsole				54000															
1	Options				22000															
0	Help				18000															
1					16000															
					12000															
					10000															
					8000															
					6000															
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						07:20 07:30	07:40 07:50	08:00 08:10	00.20 00:3	10 00:40 0	2.50 02.00	09:10 09:20	09.30 09.41	0 03:50 10	00 10:10 1	0.20 10.30	10.40 10:50	11.00		
					1															

Viewing Component Analysis Information for a Single Monitored Page

If the Component Analysis solution is installed and deployed for an on-premises SharePoint farm, you can review component loading on a monitored page.

i NOTE: If Component Analysis is not enabled for a page, the Page Details view includes only the information that is available in the Summary view.

The Component Analysis view lets you:

- The Web front End (WFE) that the data was collected from.
- The number of Active Alerts for the page, arranged by category.
- A **Page Overview**, including the time the analysis took place, the components, the page size, the page render time the page load time, the WFE name, and the URL the Collection Service used to retrieve the data.
- Information about the **HTML Controls** on the page, including the overall status of the HTML controls.
- Information about the solutions on the page, including the overall status of the **Solutions**.
- Information about the **Web Controls** on the page, including the overall status of the Web Controls.
- A list of the **Worst Performing Page Components**; that is, components that take the longest to render on the WFE. You can use this list to optimize the page load time.
- A graph of the **Page Availability** on the WFE. If the Page Load Time option is selected for this page, this graph appears.

- A graph of the Page Load Time on the WFE, measured in milliseconds (ms). If the Page Load Time option is selected for this page, this graph appears.
- NOTE: status information captured depends on the server role. For example, a load balancer will not have data for Web, SQL, or SharePoint

To view a Component Analysis Summary for a single monitored page:

- 1 In the Management Console tree, double click on the farm or Server Group whose monitored pages you want to view.
- 2 Select the farm's name above the overview pane, and from the drop down panel click **Pages**.



- 3 Double click the page you would like to see the component analysis for.
- 4 Select the page's name, above the overview panel for that page. This will produce a drop down panel, click **Component Analysis**.

≡		SharePoint On-Pre	mises-> b-sp10-a-wfe1 \star \rightarrow	Pages -> Home - Site C	collectionBLOG0_1 \star \rightarrow	¢
Home	~					
Overview		C Summary	Component Analysis	Graphs	Alerts	
SharePoint	+					

5 Select **Summary** from the next drop down panel.



6 This will open a summary of the component analysis for that page.

=	SharePoint On-Premises-> b-sp10-a-i	fe1 + \rightarrow Pages -> Home - Site C	CollectionBLOG0_1 $\star \rightarrow 0$	omponent Analysis 🔹 🗦			
🚮 Home 🗸	P Type keywords here	Page x WFE Status	33 HTML Controls	7 Web Parts	53 Web Controls		
Overview	Pages +	🔓 ок	Orendering very slowly Orendering slowly	Orendering very slowly Orendering slowly	Orendering very slowly Orendering slowly		
SharePoint + On-Premises + b-sp10-a-wfe1	Home - Site CollectionBLOG0_1	Active Alerts <u>Vew</u> - Warning: 0 Critical: 0	33 rendering fast Average rendertime: 16 ms Worst Performing Page Com	7 rendering fast Average render time: 87 ms	63 rendering fast Average render time: 146 ms		
b-sp10-cs00r b-sp10-cs00r D-sp10-cs0	Home - Sate Collection PSPL 1	Overview Component Analysis as of 91020101 221 AM Total page components: IS3 Monitored components: IS3 Page size: IS6 KB Page render time: 100 ms Page load Sine: 7 WPE: URL Totaled Forths WPE.	Web F		Web Con	ntrols	Html Controls
🗮 SG1		http://sites/SC_BLOG0_1/defaultaspx	Name Render Time		Name Render Time	e Status 0.25562 Good	Name Render Time Status Insteed.aspx 0.07812 Good
Settings Collectionstavice Settings Collectionstavice Collectionstavice			Links Blog Tools Archives	0.07812 Good 0.07812 Good 0.07812 Good 0.07812 Good 0.0525 Good 0.0625 Good	cello, jet40 (cello, fuendationalise) (cello, fuendationalise)	0.0002 (and 0.2562) (and 0.25 (and 0.25 (and 0.2567) (and 0.2547) (and 0.2547) (and 0.2547) (and 0.2547) (and 0.2547) (and 0.2512) (and 0.2512) (and 0.2512) (and 0.2512) (and 0.2512) (and	Control 0.940 out Annuality of 0.0125 out Gran, and 0.0125 out Gran, and 0.0125 out grap, and 0.0125 out grap, and 0.0125 out Graphs, and Ange 0.0125 out Big.gom 0.0125 out

To view Component Analysis detail:

Select Component Analysis next to the Page's name above the overview, this will produce the drop down menu from step 5 above, select **Details**.

=			Sha	arePoint On-P	Premises-> b-sp10-a	a-wfe1 🝷	→ Pages	> Home - Site	CollectionE	BLOG0_1 +	> Component Analysis	•		
	Home Overview		 [à s	ummary	Detais]								
=	ige Comp	one	nt Details			- Site Collectio	nBLOG0_1 +	Component Anal	ysis + → I	Details		Ø	∇	WFE:B-SP10-A-WFE2 V
		one			1 • → Pages -> Home Page Component Det		nBLOG0_1 +	Component Anal	ysis + → I	Detais		Ø	7	WFE:B-SP10-A-WFE2 V
= ℃	Home		SharePoint On-Premise		1 - → Pages -> Home Page Component Det Components:	tails						Ø	7	
= 3 0	Home Overview		SharePoint On-Premise Type keywords here Pages ControlPoint Site Colection State	s-> b-sp10-a-wfe: + tcs	1 • → Pages -> Home Page Component Def Components: Name 2 ±17_Menu 2 ±10_SReAtbord/Menu	Type Web control Web control	Status Rer Good 140 i Good 93 m	der Time Render Weight is 128,5677	Object Size 1.55 KB 1.56 KB	Object Weight 0.07718		0	7	WFE:B-SP10-A-WFE2 V
	Home Overview ShareProint		SharePoint On-Premise Pages	s-> b-sp10-a-wfe +	1 ▼ → Pages -> Home Page Components Components I same ✓ zz17,Menu ✓ zz10,SeekdronfMenu ✓ womenuerow.png ✓ wopadden,JS ✓ webles.psc	Type Web control Web control HTML control HTML control HTML control	Status Rer Good 140 m Good 93 m Good 0 ms Good 15 m Good 31 m	der Time Render Weight = 05.71483 0 = 14.20123 = 20.57161	Object Size 1.55 KB 1.35 KB 123 bytes 24.57 KB N(A	Object Weight 0.07718 0.07776 0.00599 1.22453 N/A		0	V	
	Home Overview SharePoint On-Premises		SharePoint On-Premise P Type largeord's here Pages ControlPoint Site Collection State Home - Site Collection8Los0_1	s-> b-sp10-a-wfe: + tcs	1 • → Pages -> Home Page Components Nome ✓ zz10_SteActionsMeru ✓ wpsdor.js	Type Web control Web control HTML control HTML control	Status Rer Good 1400 Good 93 m Good Dins Good 15 m	Jer Time Render Weight is 120,6677 : 05,71403 0 : : 14,20123 : 28,57161 is 157,1404 0 : : 14,20123	Object Size 1.55 KB 1.56 KB 123 bytes 24.57 KB	Object Weight 0.07718 0.00776 0.00099 1.22453		G	7	

- The Name of the page component.
- The **Type** of component.
- The Status of the component.
- The **Render Time**; or time required for the Internet Information Server (IIS) on the WFE to render the component, measured in milliseconds.
- The **Render Weight**, or relative importance of the component in relation to the whole page.
- The **Object Size** of the component, measured in bytes.
- The **Object Weight**, or amount of weight the Management Console assigns to the component when assigning the alert status.
- NOTE: The Page Status area lists the Total Components and Monitored Components for the page. For many pages, these values do not match. This is because Metalogix Diagnostic Manager does not monitor components that do not have a bearing on the overall performance of the page in favor of a focus on components that do impact the page performance. For example, simple text components are omitted from the monitored components.

To Switch to the Component Analysis for a different WFE:

Select a different WFE from the WFE drop down in the top right hand corner.

=		SharePoint On-Premises-> b-	SharePoint On-Premises-> b-sp10-a-wfe1 • -> Pages -> Home - Ste ColectionBLOG0_1 • -> Component Analysis • -> Details								0	∇	WFE:B-SP10-A-WFE2 V	
Home	~	P Type keywords here		Page Component Det	ails							Web Front	Ends	
Overview		Pages	+	Components: Name	Туре	Status	Render Time	Render Weight	Object Size	Object Weight		8-SP10-A-V 8-SP10-A-V		
SharePoint		ControlPoint Site Collection Statistics		✓ zz17_Menu ✓ zz10 SteActionsMenu	Web control Web control		140 ms	128.5677 85.71483	1.55 KB 1.56 KB	0.07718 0.07776				
Con-Premises	+	Home - Site Collection8LOG0_1		wpmenuarrow.png	HTML control		0 ms	0	123 bytes	0.00599				ОК

Collecting a Page Component Analysis Immediately

Metalogix Diagnostic Manager refreshes the Component Analysis for a monitored page on a schedule you specify which, by default, is every 60 minutes. (See <u>Setting Monitored Page Options</u> <u>and Web Front Ends</u>.) You can, however, immediately collect page component information for:

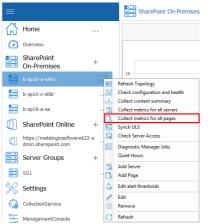
• all monitored pages in the selected farm

OR

- a single monitored page.
- NOTE: For this information to be collected, the Page Component Analysis option must be enabled for the page. See also <u>Editing Monitored Page Settings</u>.

To collect component analysis data for all monitored pages:

1 In the Management Console, select the (...) next to the farm or server for which you want to collect component data. Select **Collect Metrics for all Pages**.



To collect component analysis data for a single monitored page:

- 1 In the Management Console tree, double click on the farm or Server Group whose monitored pages you want to view.
- 2 Select the farm's name above the overview pane, and from the drop down panel click **Pages**.

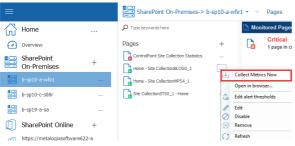
		SharePoint On-Premis	es-> b-sp10-a-wfe1 \star \rightarrow	Pages					
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	📩 Alerts	Reports
SharePoint On-Premises	+ ~	· · · · · · · · · · · · · · · · · · ·				L			

3 Do one of the following:

Select the page for which you want to collect data, right-click and choose **Collect data for selected pages**.

👌 Moni	tored Pa	iges								As	919/10/2019 11:45 AM
L.	Critica 1 page i	al in critical state	Page Status Critical:	1	Farm Information						
			👔 Warning:	0	Active Page Alerts: 1						
			🕞 ОК:	3							
			h Disabled:	0							
Enter te	ext to searc	h		• Fin	d Clear						
					Monitored Pages				Load Time	Соп	ponent Analysis
		Page Tit	e		Address	Status	Target WFEs 🔺	Status	Last Collected	Status	Last Collected
🔒 🚺 Ho	me - Site	CollectionBLOG0_1			http://b-sp10-a-wfe1:37108/sites/SC_BLOG0_1/default.aspx	ОК	AIL_WFEs		9/10/2019 11:39 AM	Image: A start of the start	9/10/2019 11:21 A
Co	ntrolPoin	t Site Collection Stat	istics		http://qa2010farmvm2:1818	Critical	URL	×	9/10/2019 11:39 AM	OFF	N/A
De Ho	me site	View Page			http://b-sp10-a-wfe1:37108/sites/SC_MPS4_1/default.aspx	ОК	WFE_Selected		9/10/2019 11:39 AM		9/10/2019 11:39 A
🔓 Sit	e Co				http://b-sp10-a-wfe1:37108/sites/SC_STS0_1/SitePages/Home.aspx	ОК	WFE_Selected	V	9/10/2019 11:39 AM	 Image: A second s	9/10/2019 11:21 A
		Edit Page									
		Remove Page									
		Enable Page Disable Page									
	1	Collect data for sele	rted Pager								
		Open in browser	ico roges								
		Edit Alert Threshold									
		Expand all									
		Collapse all									
		Refresh									

or



Select the (...) next to the page name, and select **Collect Metrics Now** from the drop down menu.

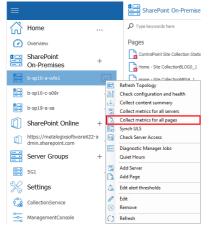
Collecting Page Load Metrics Immediately

Metalogix Diagnostic Manager lets you immediately collect page load metrics for all of the monitored pages in a single farm for which the Page Load Time option has been checked. (See also Editing Monitored Page Settings.)

When you collect Page Load metrics, the Collection Service collects the metrics for all monitored pages in the farm, not for a single page.

To collect page load metrics immediately:

In the Management Console, select the (...) next to the farm whose page load metrics you want to collect, and select **Collect metrics for all pages**.



Opening a Monitored Page

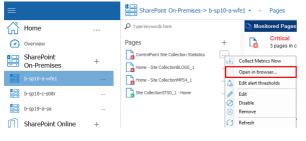
From the Management Console tree, you can open a monitored page in a browser.

To open a monitored page:

- 1 In the Management Console, select the farm that contains the monitored page you want to open.
- 2 Select the farm name above the overview pane, and select **Pages** from the drop down panel.



3 In the pages column, select the (...) next to the page you want to view, and click **Open in Browser** from the dropdown menu.



Editing Monitored Page Settings

You can change the options you have set for a monitored page. You can change the page name or any of the page monitoring options. You can also change the page URL. If you change the URL to an unrelated page, the historical data is meaningless and it is automatically deleted. You should only change the URL if the page itself has a changed URL.

NOTE: If you need to replace a page completely, you should <u>remove the page</u> and then <u>add the new</u> <u>page</u>.

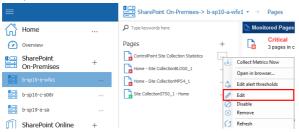
To edit the settings for a monitored page:

P 🛤 .

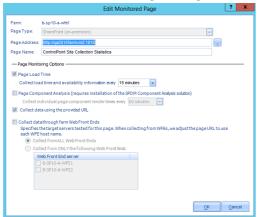
- 1 In the Management Console, select the farm that contains the monitored page you want to open.
- 2 Select the farm name above the overview pane, and select Pages from the drop down panel.

		—							
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🔔 Alerts	Reports
SharePoint	+								

3 In the pages column, select the (...) next to the page you want to view, and click **Edit** from the dropdown menu.



4 In the Edit Monitored Page dialog box, make the necessary changes.



- 5 In the Page Monitoring Options area, specify the page options.
- 6 Click OK.

Removing a Monitored Page

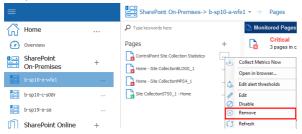
You can remove a monitored page when you no longer need to monitor it.

To remove a monitored page:

- 1 In the Management Console, select the farm that contains the monitored page you want to open.
- 2 Select the farm name above the overview pane, and select Pages from the drop down panel.

=		SharePoint On-Premi	ses-> b-sp10-a-wfe1 \star \rightarrow	Pages					
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🔔 Alerts	Reports
SharePoint On-Premises	+					L			

3 In the pages column, select the (...) next to the page you want to view, and click **Edit** from the dropdown menu.



4 You will be prompted to confirm the action before continuing.

Viewing the Health of a Farm

Metalogix Diagnostic Manager includes the following two features that enable you to check the configuration and health of a monitored SharePoint 2010, 2013, or 2016 farm:

- The **Health Analyzer** lets you view any issues with your SharePoint farm performance as of the last Collection Service run. Metalogix Diagnostic Manager compares your configuration with the set of best practices checked by SharePoint Health Analyzer. The Issue Details pane of this view allows you to view the details of an issue found by the SharePoint Health Analyzer.
- NOTE: The Metalogix Diagnostic Manager Health Analyzer feature is not available for SharePoint 2007 farms.

If your SharePoint Credentials let you access the Central Administration page for the farm, you can access the Health Analyzer directly. You can click View Health Analyzer problems and solutions to open the SharePoint Central Administration problems and solutions page. You can click View Health Analyzer rules to open the SharePoint Central Administration Health Analyzer Rule Definitions page.

• The Farm Configuration and Health Checker, sends a request to the Collection Server to immediately update farm configuration and Health Analyzer data.

Reviewing the SharePoint Health Analyzer Content for the Farm

You can use the Metalogix Diagnostic Manager Management Console to review content from the SharePoint Central Administration Health Analyzer pages, including details for the issues the Health Analyzer finds. If your SharePoint credentials allow you to do so, you can open the Health Analyzer problems and solutions page or the Health Analyzer rules page from the Management Console.

To review the Health Analyzer content for the farm

- 1 In the Management Console, select the farm whose Health Analyzer you would like to view.
- 2 Select the farm name above the overview pane, and select Views from the drop down panel.

=	SharePoint On-Premis	es-> b-sp10-a-wfe1 $\star \rightarrow$	Views ▼ → Health Ana	alyzer				
Home								
Overview	Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports
SharePoint +								

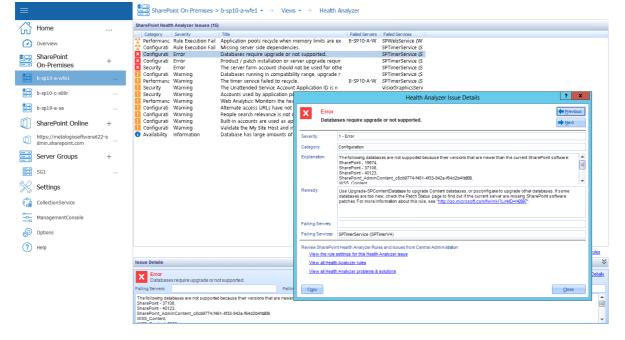
9

3 Select Views, this will open another drop down panel, select Health Analyzer.

≡		SharePoint On-Premi	ses-> b-sp10-a-wfe1 \star \rightarrow	Views 👻 🔶 Health /	Analyzer
Home	~				
Overview		🕜 Dashboard	Overview	Health Analyzer	Uls
SharePoint SharePoint	+ ~			L	

To view more detailed information about a Health Analyzer Issue

Double-click the issue to display the Health Analyzer Issues dialog.



Health Analyzer Issue Details

You can view additional details for the issues discovered by the SharePoint Health Analyzer, view problems and solutions, and view the Health Analyzer rules using Metalogix Diagnostic Manager. The Health Analyzer measures your current configuration against recommended best practices.

While the list view on the Health Analyzer page includes the issue severity, category or issue type, severity, title, and the associated failed servers and services, the Health Analyzer Issue Details dialog box includes the following items:

- Expanded explanation of the issue
- Remedy for the issue

	Health Analyzer Issue Details	?)	x
Error Databa	ases require upgrade or not supported.	♦ Previous ♦ Next	s
Severity:	1 - Error		
Category:	Configuration		
Explanator:	The following databases are not supported because their versions that are newer than the current SharePoint (SharePoint - 1971) SharePoint - 37110, SharePoint, AdminContent_c8tc89774-1461-4f33-842a-f64d2b41b00, WSR: Content		•
Remedy:	Use Upgrade-PPContentDatabase to upgrade Content diabases, or procentingento upgrade other diabases diabases are too new, ched the Photo Statup page for due if he ournet earner are an using SharePort si patches. For more information about this rule, see <u>"http://ico.microsoft.com/hulint/?LintQ-H3330"</u> .		
Failing Servers:			
Failing Services:	SPTimerService (SPTimerV4)		
View the rule View all Heat	nt Heath Analyzer Rules and Issues from Central Administration settings for this Heath Analyzer issue h Analyzer problems & solutions		
Сору		Close	

Click Next or Previous to scroll through the details for all of your issues.

The following links in the Health Analyzer Issue Details dialog take you to other views within SharePoint:

- View the rule settings for this Health Analyzer issue. Accesses the specific Health Analyzer Rule Definitions page on the Central Administration site for the selected rule.
- View all Health Analyzer rules. Accesses the Health Analyzer Rule Definitions page for all rules on the Central Administration site.
- View all Health Analyzer problems & solutions. Accesses the Review problems and solutions page for all reports on the Central Administration site.

To copy all of the issue details to your clipboard for additional use:

Click Copy.

Monitoring StoragePoint Timer Job Performance

If Metalogix Diagnostic Manager detects that StoragePoint is deployed on a monitored farm, it will also monitor the performance of the StoragePoint timer job. By default, an alert will be triggered for the following events:

- Storage Point timer job execution time exceeds the alert threshold
- the collection of StoragePoint timer job data fails
- a StoragePoint timer job execution error occurs

StoragePoint Timer Job Data Collection

By default, Metalogix Diagnostic Manager collects StoragePoint timer job data every thirty (30) minutes. To collect this data immediately, select the (...) next to the farm in question, and select

Sync With StoragePoint Timer Jobs.

\equiv				SharePoint On-Premises->
\overleftrightarrow	Home	'		${\cal P}$ Type keywords here
\bigcirc	Overview			Web Applications
	SharePoint On-Premises	+		Central Administration
	b-sp10-a-wfe1			SharePoint - 19674
	b-sp13-a-wfe1			SharePoint - 37108
	b-sp16-b-wfe1			SharePoint - 40123
	SharePoint Online		2 11	Refresh Topology Check configuration and health
៣	https://metalogixsoftware622-adn	nin	⊌ 3	Collect content summary Collect metrics for all servers
	.sharepoint.com		la C	Collect metrics for all pages
	Server Groups	+		Synch ULS
=:	Sg1		5	Sync with StoragePoint Timer Jobs
	091			Check Server Access
\mathbb{X}	Settings		•	Diagnostic Manager Jobs
ີຕາ	Collection Constant			Quiet Hours
৫	Collection Service			Add Server
	Management Console		C.	Add Page
67	Ortigen		L _	Edit alert thresholds
@~^	Options		a	Edit
?	Help		\otimes	Remove
			0	Refresh

NOTE: the synchronization may not be immediate, since it may take time for the SharePoint timer job to complete the collection of log entries from all servers in the SharePoint farm.

To open the StoragePoint Dashboard in SharePoint Central Administration:

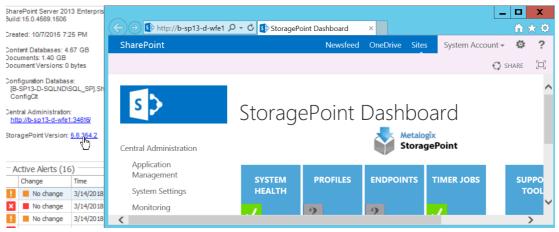
- 1. In the Management Console tree, double click the farm where StoragePoint is deployed.
- 2. Select the farm name, above the overview pane, and select **Views** from the drop down.

	SharePoint On-Premi	ses-> b-sp16-b-wfe1 $\star \rightarrow$	Views • → Overview						
Home									
Overview	Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports	
SharePoint On-Premises +									

3. Click Views and select Overview from the drop down menu.

≡		SharePoint On-Premises-> b-sp16-b-wfe1 • → Views • → Overview						
Home	~							
Overview		🕜 Dashboard	Overview	000 Health	Analyzer	Uls		
SharePoint On-Premises	+							

4. On the Farm Overview page, click the StoragePoint Version link.



Viewing ULS Log Entries for a Farm

Metalogix Diagnostic Manager offers a built-in viewer that lets you review ULS log entries for SharePoint 2010, 2013, and 2016 On-Premises farms.

i NOTE: This feature is not available for SharePoint 2007 farms or SharePoint Online tenants.

To start using the Metalogix Diagnostic Manager ULS Log Viewer, the Diagnostic Data Provider: Trace Log timer job must be enabled in SharePoint Central Administration. You can enable the job and synchronize the schedules of all monitored farms via the Metalogix Diagnostic Manager Collection Service Options dialog (see <u>Enabling and Configuring ULS Log Entries</u>). In this dialog you can specify the frequency with which the Collection Service should gather ULS log data as well as how long ULS log data should be retained in the Metalogix Diagnostic Manager Repository database. You can also specify the maximum number of ULS Log entries to display in the Management Console via the Management Console Preferences dialog.

You also have the option of clearing ULS log entry history from the Repository database.

Prerequisites

• For the SharePoint timer job to collect ULS log data, usage and health data collection must be enabled in SharePoint. For details, refer to the applicable Microsoft Technet article:

For SharePoint 2016 For SharePoint 2013 For SharePoint 2010

- In order to use the Metalogix Diagnostic Manager ULS Log Viewer:
 - the latest version of the Metalogix Diagnostic Manager Component Analysis Solution must be installed and deployed to every farm whose ULS log entries you want to view
 - the Metalogix Diagnostic Manager ULS Synchronizer must be activated. (This feature is initially activated as part of the Component Analysis installation).
- Remember that the Collection Service account must have the appropriate VIEW permissions to the SharePoint Logging database. See the Account Requirements topic in the *Metalogix Diagnostic Manager Advanced Installation Guide* for complete Collection Service account requirements.

To view ULS log entries in Metalogix Diagnostic Manager:

1. In the Management Console, double click the farm whose ULS logs you want to view.

2. Select the name above the overview pane and from the drop down panel select Views.

=		SharePoint On-Prem	ises-> b-sp10-a-wfe1 \star \rightarrow	Views \star \rightarrow Uls					
Home	~		-						
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🔔 Alerts	Reports
SharePoint On-Premises	+		1						

3. Select Views from the top tab, and select **ULS** from the dropdown panel.

≡		SharePoint On-Premi	ises-> b-sp10-a-wfe1 ▾ -	\rightarrow Views \bullet Uls	
Home	~				
Overview		🕜 Dashboard	Overview	Health Analyzer	Uls
SharePoint On-Premises	+				

Note that when an entry is selected, the corresponding **ULS log entry Message** displays in the bottom panel.

Home	`	ULS log entries (169)						
Overview		Last Hour	♥ 24/09/2	09:49 AM 🌻	To 24/09/2019 -	10:49 AM 💲		
SharePoint On-Premises	+	Enter text to search		-	Find Clear			
		Time	Computer Name	Process Name	Area	Category	Level	Correlation ID
		9/24/2019 10:39:47 AM	B-SP10-A-WFE2	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	f587b9ee-4837-47c0-9cc3-589a1c9d487d
b-sp10-c-s08r		9/24/2019 10:38:56 AM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	5f0f79d1-3307-4ca9-a86b-98bd61c746fb
b-sp19-a-sa		9/24/2019 10:38:47 AM	B-SP10-A-WFE2	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	297a8f10-b007-4092-b2c7-d7dca77a8ead
0 3019 0 30		9/24/2019 10:37:55 AM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	ebd85ee4-cb5d-4ff2-869f-63dba2c624b0
SharePoint Online	+	9/24/2019 10:37:47 AM	B-SP10-A-WFE2	OWSTIMER-EXE	SharePoint Foundation	Database	Critical	b39f0213-f116-44f7-8822-0d686c4bd5f3
https://www.com		9/24/2019 10:37:38 AM	B-SP10-A-WFE2	w3wp.exe	SharePoint Foundation	Configuration	Warning	605bba86-4a78-4e59-97c6-9db3bee7c00a
https://metalogixsoftware622 dmin.sharepoint.com	-a	9/24/2019 10:37:38 AM	B-SP10-A-WFE2	w3wp.exe	SharePoint Foundation	Configuration	Warning	605bba86-4a78-4e59-97c6-9db3bee7c00a
		9/24/2019 10:37:38 AM	B-SP10-A-WFE2	w3wp.exe	SharePoint Foundation	Configuration	Warning	605bba86-4a78-4e59-97c6-9db3bee7c00a
Server Groups	+	9/24/2019 10:37:38 AM	B-SP10-A-WFE2	w3wp.exe	SharePoint Foundation	Configuration	Warning	77561684-80a7-4f98-ace6-85b8d1912752
SG1		9/24/2019 10:37:38 AM	B-SP10-A-WFE2	w3wp.exe	SharePoint Foundation	Configuration	Warning	77561684-80a7-4f98-ace6-85b8d1912752
561		9/24/2019 10:36:47 AM	B-SP10-A-WFE2	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	78df0f51-41a3-4cbe-b810-6e1b5ed5e393
Settings		9/24/2019 10:35:56 AM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	6938d906-8af6-4baa-b08b-f09de5dfd23d
5		9/24/2019 10:35:56 AM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Server	Taxonomy	Exception	0949d8ee-c668-4979-a589-f75760c95468
CollectionService		9/24/2019 10:34:55 AM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	4364eb07-2618-4431-b44e-38cb799cdc83
Management		9/24/2019 10:34:51 AM	B-SP10-A-WFE2	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	454875fb-3fa0-4f3a-bddf-a0781d8f73f8
ManagementConsole		9/24/2019 10:33:55 AM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	90bfbec4-3621-4233-813b-abfe0dc1b3af
Options		9/24/2019 10:32:48 AM	B-SP10-A-WFE2	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	0bc42805-c659-4994-bbf8-34a06c1436ae
		9/24/2019 10:31:55 AM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	f4c756e8-198d-4e0a-879a-ab45c671220d
Help		9/24/2019 10:31:48 AM	B-SP10-A-WFE2	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	1a326a3f-2329-4ed1-86f2-6c4c127a12b7
		9/24/2019 10:30:47 AM	B-SP10-A-WFE2	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	458a5e7c-c0e0-4816-a43e-638f4d070101
		9/24/2019 10:29:55 AM	B-SP10-A-WFE1	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	884b5fd6-4d12-45de-9319-58838657132e
		9/24/2019 10:29:47 AM	B-SP10-A-WFE2	OWSTIMER.EXE	SharePoint Foundation	Database	Critical	b68fc1e7-a538-4e36-bb12-28f795a1ba5a
		0/24/2010 10-28-55 AM	R-SP10-A-W/EE1	OWSTIMER EVE	SharePoint Foundation	Database	Orifical	657h-000-1071-407a-arf1-8-6a7e10840h
		Page 1 of 1 (169 items)	<< < 1	> >>	Page size: 1500	D -		
		ULS log entry Message						

Now you can:

- filter entries by Date Range
- NOTE: Filter dates always display in the format dd/mm/yyyy, whereas dates in the **Time** column display in the format specified for the machine on which the Management Console is installed.

ULS log entries (showing 1500 of 49279)										
Date Range Custom	25/06/2014 🔻	07:53 AM 🏮 T	° 25/06/2014	4 🔻 08:53 AN	и 🗘					
Last Hour Last 4 Hours Today		•	Find Clear							
Yesterday Custom	Computer Name	e Process Name	Area	Catergory	Level					

• sort and filter entries by any of the column headers.

Catergory	
	📃 (Select All)
	Topology
Topology	💾 Unified Logging Service
Unified Logging Service	OK Cancel
Unified Logging Service	

• group entries by a single column by right clicking and selecting **Group by This Column**.

	Lev		 Correlation ID
		₽↓	Sort Ascending
	Cril	Z↓	Sort Descending
	Cril		Clear Sorting
	Cril	9	Group By This Colun
			Show Group By Box
Cril			Remove This Column
Mo	T	n	Column Chooser
Mol '	1	_	Best Fit
Un "	H-		Best Fit (all columns)
-	_		
Ŷ	Y		Filter Editor
om			Hide Auto Filter Row

• group entries by multiple columns by selecting any column, right clicking and choosing **Show Group By Box**, then dragging each of the columns by which you want to group to the area above the column headers.

	Leve	el 🔻 Catergory	\supset		
Level 24 Sort Ascending	Tin	ne	Computer Name	Process Name	Area
Z↓ Sort Descending	۴				
Critical Clear Sorting	-	Level: Monitorable			
Monitora	-		rch Component		
Cheve Crown Pry Poy		6/30/2014 10:	B-SP13-B-WFE1	NodeRunnerAdmin1-e804c03a-f	Search
, onexpec	-	Level: Critical			
Remove This Column	•	👻 Catergory: Top	ology		
		6/30/2014 10:	B-SP13-B-WFE1	OWSTIMER.EXE	SharePoint Foundation

• search on a text string by typing the string in the blank box and clicking [Find].

Note that you can use combinations of search, sorting, and filtering to help identify potential problems in SharePoint, as shown in the example below which uses filtering on date range and grouping by Correlation ID and Warning Level.

Last Hour	✓ 25	/06/2014 👻 07:	53 AM 🔶 T	0 25/06/2014	1 👻 08:53 AN	A ^	
easeriour	-	,00,2014		20/00/201		· · ·	
			▼ F	Find Clear	-		
\smile							
Time	Y	Computer Name	Process Name	Area	Catergory	Level	Correlation ID
8]				
6/25/2014 8:00 AM		B-SP13-B-WFE2	OWS <mark>TIMER</mark>	SharePoint F	General	Unexp	0000000-0000-000
6/25/2014 8:00 AM		B-SP13-B-WFE1	OWS <mark>TIMER</mark>	SharePoint F	General	Unexp	0000000-0000-000
6/25/2014 8:00 AM		B-SP13-B-WFE2	OWS <mark>TIMER</mark>	SharePoint F	Database	Critical	27519e9c-5d09-306c.
6/25/2014 8:00 AM		B-SP13-B-WFE2	OWS <mark>TIMER</mark>	SharePoint F	Timer	Critical	2c519e9c-edb0-306c
6/25/2014 8:00 AM		B-SP13-B-WFE2	OWS <mark>TIMER</mark>	SharePoint F	Timer	Unexp	2c519e9c-edb0-306c
C/05/0014-0-00-6M				Chave Date h E	Deufeure	Marila	-700-610 664- 406-

To initiate the immediate synchronization/gathering of ULS data for the selected farm:

\equiv			SharePoint On-Premise
$\widehat{\mathbf{G}}$	Home	~	ULS log entries (169)
\bigcirc	Overview		Last Hour 🗸 2
	SharePoint + On-Premises		Enter text to search
	b-sp10-a-wfe1		Time Computer Na Refresh Topology
	b-sp10-c-s08r .	31	Check configuration and health
	b-sp19-a-sa .	U 3	Collect content summary Collect metrics for all servers
	SharePoint Online +	2	Collect metrics for all pages Synch ULS
	https://metalogixsoftware622-a dmin.sharepoint.com	6	Check Server Access
	Server Groups +		Diagnostic Manager Jobs Quiet Hours
	SG1 .		Add Server Add Page
×	Settings	20	Edit alert thresholds
ଽୢୖଌ	CollectionService	\otimes	Edit Remove
<mark>ام</mark>	ManagementConsole	0	Refresh

Select the (...) next to a farm name, and select **Sync ULS**.

Note that the synchronization may *not* be immediate, since it may take time for the SharePoint timer job to complete the collection of log entries from all servers in the SharePoint farm.

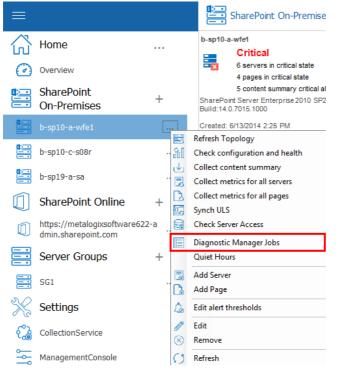
i NOTE: The regularly-scheduled synchronization and gathering of ULS log entries for all monitored farms is specified in the Collection Service Options dialog.

Viewing the Status of Data Collection Jobs

You can view the current status of all active data collection jobs in one or more farms including whether the job is currently Running, is Completed, or is Scheduled to run for the first time.

To view the status of data collection jobs:

- 1. In the Management Console select the (...) next to either the Home section (to view all the Diagnostic Manager Jobs) or next to the farm whose specific Diagnostic jobs you want to view.
- **i** NOTE: If you want to view the status of *all* monitored farms, select the Home Page node.
- 2. Select Diagnostic Manager Jobs from the drop down menu.



3. This will open the Diagnostic Manager Jobs window.

			1	1	
ETAIL		STATE	LAST SCHEDULED	LAST STARTED	LAST ENDE
۵	Gather Page Load Times - Medium Frequency Group	Completed	09/24/2019 19:50	09/24/2019 19:35:10.480	09/24/201
۵	Gather One Server Performance Metrics	Completed		09/24/2019 19:40:10.997	09/24/201
٥	Gather Windows Services	Running	09/24/2019 19:46	09/24/2019 19:40:11.340	
۵	Gather Page Load Times - Low Frequency Group	Completed	09/24/2019 19:43	09/24/2019 18:43:01.890	09/24/201
۵	Gather Page Detail Load Times - Medium Frequency Group	Completed	09/24/2019 19:43	09/24/2019 18:43:02.437	09/24/201
۵	Gather Database Fragmentation	Completed		09/24/2019 02:00:08.850	09/24/201
۵	Gather Application Pools	Completed	09/24/2019 19:46	09/24/2019 19:40:11.073	09/24/201
۵	Gather Site Data	Completed		09/24/2019 11:44:00.437	09/24/201
۵	Gather Farm Item Counts	Completed		09/24/2019 01:00:08.243	09/24/201
۵	Gather StoragePoint Jobs Runtime	Completed	09/24/2019 19:52	09/24/2019 19:22:07.633	09/24/201
۵	Gather SQL Server Stats	Completed	09/24/2019 19:43	09/24/2019 18:43:01.950	09/24/201
۵	Update Statistics	Completed	09/24/2019 23:26	09/24/2019 19:26:02.780	09/24/201
۵	Groom Database	Completed		09/24/2019 00:00:04.973	09/24/201
۰	Gather Health and Configuration	Completed	09/24/2019 19:43	09/24/2019 18:43:02.513	09/24/201
**	Gather One Page Load Time - Home - Site CollectionBLOG0 1	Completed		09/24/2019 19:35:10.713	09/24/201

CAUTION: This feature is primarily intended for use by Quest Support for troubleshooting purposes.

Viewing a Content Summary

You can use the Metalogix Diagnostic Manager Management Console to view a summary of the content on a monitored SharePoint farm. The Content view summarizes the content within the farm, Web application, and Site Collection. The Pages view lets you quickly review the monitored pages on the farm.

To view a Content Summary:

In the Management Console, select the farm whose content summary you want to view. Select the name above the overview pane and select **Content Summary Graphs.**



Now you can view a Content Summary for the Web Application, site collections, web sites, lists, and document composition.

≡	-	SharePoint On-Prem	nises-> b-sp10-a-wfe1 + \rightarrow	Content Summary Grap	bhs 🔻	
Home	~					
Overview		Web Applications Graphs	Site Collections Graphs	Web Sites Graphs	Lists Graphs	Document Composition
SharePoint On-Premises	+					

Viewing a Content Summary for Individual SharePoint Objects

• If a farm was selected, summary information and statistics about the **Web Applications** that the farm hosts.

≡			SharePoint On-Prer	nises-> b-sp10	-a-wfe1 \star \rightarrow	Conter	nt Summary (Graphs 👻				
Home		~	Web Applications Graphs	Site Co	llections	We	b Sites Graphs	List	s Graphs	ſ	Document	
SharePoint	t	+	es-> b-sp10-a-wfe1 + → Content Summ								🖸 Compositi	on
~		Total Web Application Count	saw propiora mer · · · · Content Sum	indry Graphs · · · · ·		Total Web	Application Size (MB)					10
Home		rotar web Application Count			10 III (Approaction Size (MB)					
Overview		7			·····	8800	• • • • • • •			~~~~		
SharePoint	+ ~	6				7700						
On-Premises	1.1	5				6600 5500						
b-sp10-a-wfe1		3				₩ 4400						
b-sp10-c-s08r		2				3300 2200						
b-sp19-a-sa		1				1100						
~		0 Sep/2 Sep.4 Sep.6 5	Sepi6 Sepi10 Sepi12 Sepi14 Sepi16 Sepi18 :	Sep20 Sep22 Sep24 Sep	25 Sep.23 Sep.00 Oct/2	0			Sep/15			Sep(29
SharePoint Online	+	Sep/0 Sep/5 Sep/7 Web Applications By Age	7 Sept9 Sept11 Sept13 Sept15 Sept17 Sept	19 Sep/21 Sep/23 Sep/25	Sep/27 Sep/29 Oct/I		cations By Size	Sep.0		Sep(22		0
https://metalogixsoftware6. dmin.sharepoint.com		web Applications by Age					Cations by Size					
Server Groups	+	6				3						
5G1		5										
		4				2						
Settings		3										
CollectionService		2				1-						
ManagementConsole		1										
Options		0	31-60 days 91	1-180 days	1+ ута	0		-540	50MB-100MB		250MD-500MD	
(?) Help		Last 24 hrs Fastest Growing Web Application	8-30 days 61-90 days	5 mo-1 yr	NO.		<1MD eb Applications	SVID-50VID		100M8-250M8		>500MD
		Veb Applications	Avg. Growth Speed		Avg. Collection Interval	Web Apple						Size
() map						SharePoint						979.42 ME 244.85 ME
() map						SharePoint						244.05 M
()												
() inte						SharePoint Control Art						
() may						Central Ad SharePoint	- PORTALA14599					244.85 MB 27.17 MB 9.31 KB
() ne						Central Ad	- PORTALA14599					27.17 MB
()						Central Ad SharePoint	- PORTALA14599					27.17 MB 9.31 KB
						Central Ad SharePoint	- PORTALA14599					27.17 MB 9.31 KB

• If a farm or Web application was selected, summary information and statistics about the **Site Collections** that the farm or Web application hosts.

≡		SharePoint On-Premis	ses-> b-sp10-a-wfe1 \star \rightarrow	Cor	ntent Summary Gr	aphs 👻				
Home	~									
Overview		Web Applications Graphs	Site Collections Graphs		Web Sites Graphs	List	s Graphs		Document Compositio	
🖭 SharePoint	+									
		es-> b-sp10-a-wfe1 + → Content Summar	ry Graphs + \rightarrow Site Collections Graphs							
Home V	Total Site Collection Count		11	🔲 Tota	al Site Collection Size (HB)					ii 🗆 🗖
🕜 Overview		· · · · · · · · · · · · · · · · · · ·	···· <		8900	····			·····	
SharePoint + On-Premises +	35		4		7700					
b-sp10-a-wfe1	25				5500					
🔛 b-sp10-c-s08r	15				3300					
🔚 b-sp19-a-sa	5				1100				•	
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• Summary information and statistics about the Sites (Webs) that the SharePoint object hosts.

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- NOTE: Some users may receive an access denied message when attempting to use a content summary function on some sites. If this message appears, set up a Web application policy to grant global access to Metalogix Diagnostic Manager. This step allows you to override explicit security on the objects and grant read only access to the other service account used by Metalogix Diagnostic Manager. For more information about the Metalogix Diagnostic Manager permission requirements, see the *Metalogix Diagnostic Manager Advanced Installation Guide*.
- Summary information and statistics about the Lists that the farm hosts.
- NOTE:
 - Currently, Metalogix Diagnostic Manager collects content summary statistics about document libraries only, not other types of lists or files such as web parts and aspx pages. For improved performance, attachments and hidden libraries are excluded from data collection by default. You can, however, enable the collection of hidden lists and attachments. (See <u>Content Summary Options</u>.)
 - Metalogix Diagnostic Manager does not collect data for external lists (that is, lists for which features are built into SharePoint but data is stored in an outside source, like a database).

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• Summary information about **Document Composition** (that is, the documents stored within the selected SharePoint object).

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i NOTE: If a document includes multiple versions, the latest version is counted as the document. Prior versions count as versions.

For a farm-level Content Summary you can also:

- request immediate collection of farm content summary data
- edit alert thresholds for the farm.

Viewing a Content Summary for Monitored Pages

The Content Summary Pages tab contains information about the monitored pages on the selected SharePoint object, including:

- Page Title
- Page Address (URL)
- The current **Status** of the page.
- The alert status of the Load Time
- The alert status of the page Components

To filter pages by alert status:

In the Content Summary Pages tab, in the Filter area, click one or more of the following to display pages with that status:

- OK
- Warning
- Critical
- Disabled

To view page details:

- 1 Select the page whose details you want to view.
- 2 In the Content Summary section of the ribbon choose Pages >View Page Details.

Refreshing the Content Summary

Metalogix Diagnostic Manager refreshes the Content Summary on a schedule you specify (see <u>Setting</u> <u>the Collection Service Options</u>). If necessary, you can request a content summary update.

When it performs a content summary operation, the Collection Service examines the entire SharePoint farm and counts every object in the farm. The content summary operation is time consuming and can impact your farm performance. By default, the Collection Service only performs a content summary operation one time per day at 1:00 AM according to the server clock. When you

manually start a content summary operation, the Collection Service starts the content summary operation immediately. The results may not appear in the Management Console until the content summary operation is complete, which may take several minutes or more. You can also request a more targeted (and less resource-intensive) content summary update for a single Web application or site collection.

When you request a content summary update, the Collection Service automatically refreshes the farm topology information.

To refresh the Content Summary for the entire farm:

Use one of the following options:

• In the Management Console, select the (...) next to the farm you want to update the content summary for, select **Collect Content Summary** from the drop down menu.

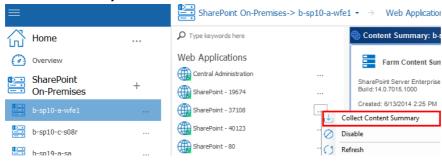
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b-sp10-a-wfe1	aspx 46
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To refresh the Content Summary for a single Web application:

1 From the Management Console, select a farm, and select Web Applications.

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Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports
SharePoint	+								

2 Next to the web application you want to collect content data for, select (...) and select **Collect Content Summary**.



To refresh the Content Summary for a single site collection:

1 From the Management Console, select a farm, and select Web Applications.



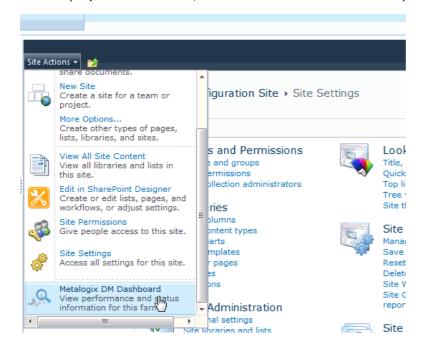
- 2 Double click on the web application that contains the site collection you want to refresh.
- 3 Select the site collection you want to refresh, right-click and choose **Collect site collection content data**.

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Using the Web Dashboard to View Performance Data from Within a SharePoint Site

Metalogix Diagnostic Manager offers a Web Dashboard for a quick glance at the performance data collected by Metalogix Diagnostic Manager to help you monitor your SharePoint farms and pages. While this optional Dashboard is not installed with Metalogix Diagnostic Manager, it is provided in the SharePoint solution files located in the folder where Metalogix Diagnostic Manager was installed (by default C:/Program Files (x86)/Metalogix/Diagnostic Manager/WebDashboard.

To start using the Metalogix Diagnostic Manager Dashboard, you must install the Dashboard to your farm using STSADM or PowerShell. Next, deploy the Dashboard to every Web application where you want to use the Dashboard. Finally, activate the Dashboard on all of the appropriate site collections.



Once deployed and activated, the Dashboard is available as an option on the Site Settings menu.

Information in the Diagnostic Manager Web Dashboard

The Metalogix Diagnostic Manager Dashboard provides you with a single location to view the performance data of your current farm and server status including your active alerts for a selected site. You can view the Metalogix Diagnostic Manager Dashboard for any page in your site collection where the Dashboard is active.

i NOTE: As this is a Dashboard view, there are limited actions available on this page.

You can use the Metalogix Diagnostic Manager Dashboard to quickly review the status of a SharePoint farm. Metalogix Diagnostic Manager also lists the monitored pages and active alerts on the selected farm along with the following details.

Information	Description
Farm Status	The current alert state for the farm, plus the number of servers and pages in each state within the farm.
Server Status	The current alert status for each server within the farm, plus whether the server is a Web front end (WFE) or hosts a SQL Server instance.
Active Alerts	The current active alerts for the farm. Click the alert summary to open the Alerts Details page and view details about your alerts.

Changing Web Dashboard Configuration Settings

The Collection Service collects data from your SharePoint farms and stores it for the Management Console to access. You connect the Metalogix Diagnostic Manager Management Console to a Collection Service. If your network includes multiple Collection Services, you can connect to each in turn.

NOTE: If you run the Management Console on a computer that also hosts the Collection Service, then Management Console connects to the local Collection Service by default. You can manually select a different Collection Service.

To change Web Dashboard configuration settings:

1 Open the Site Settings Page for the site where you want to configure dashboard settings

2 In the Site Actions menu, choose **DM Dashboard**.

3 Click Configuration.

- 4 In the Configuration page, type the name or IP Address of the computer that hosts the Collection Service.
- 5 Type the port number where the collection service is assigned. The default port number is 5294.
- 6 Click [Update].

Reporting

Metalogix Diagnostic Manager Reports functionality helps you to monitor your SharePoint deployments, analyze performance and problems, and plan for the future. You can choose from several pre-defined reports, and create custom reports consisting of individual metrics that Metalogix Diagnostic Manager collects.

Reports can be run immediately or scheduled to run later and/or on a recurring basis, and results can be printed or exported as an Excel or .PDF (and for scheduled reports, .CSV) file for distribution and further analysis outside of the Metalogix Diagnostic Manager Management Console.

Information Contained in Pre-Defined Reports

Metalogix Diagnostic Manager includes pre-defined reports in the following categories:

- Farm/Group Reports
- Server Reports
- Content Summary Reports
- Page Reports
- Office 365 Reports

Farm/Group Reports

Report	Description
Active Alerts (Farm/Groups)	All of the active alerts. You can limit the report to one farm or Server Group or include all that are being monitored.
Alert History (Farm/Group)	Alert history for monitored servers in a single farm or Server Group. You can control the time period for the alerts that the report includes.
Content Database Summary	A summary of the content databases used by the selected SharePoint farm sorted by database size.

Farm/Group Capacity Summary	The disk usage for each server in the SharePoint farm and/or Server Group.
Farm/Group Summary	A summary of the health of a selected SharePoint farm or Server Group, including a high-level view of the health and status of the servers that make up the farm or Server Group.
SQL Server Inventory	An inventory of the SQL Server instances and databases that are included in the selected SharePoint farm.

Server Reports

Report	Description
Active Alerts (Servers)	All of the active alerts. You can limit the report to one SharePoint farm or include all monitored SharePoint farms. You can include all servers, all servers in a single farm, or a single server.
Alert History (Servers)	The alert history for monitored servers in one SharePoint farm/Server Group or in all monitored SharePoint farms and Server Groups. You can include a single server, or all servers from the included farms/groups. You can control the time period for the alerts that the report includes.
Application Pools Summary	An overview of the configuration and status of Application Pools for one or more selected SharePoint farms/Server Groups.
Current Services Status	A summary of the status—as of the last collection of server performance metrics—of key Windows Services running on one or more SharePoint farm or Server Group servers.
Historical Service Status	A graphical representation of the status of a selected Windows Service on a SharePoint farm or Server Group server over a specified time period. You also have the option of displaying a tabular view of this data.
CPU Statistics	CPU usage statistics for a single monitored server. You can specify the time period that the report includes. You can specify the time period over which the report averages data. If needed, you can include tables of the data that the report is based on.
Disk Statistics	Disk usage statistics for a single monitored server. You can specify the time period that the report includes. You can specify the time

Report	Description
	period over which the report averages data. If needed, you can include tables of the data that the report is based on.
Memory Statistics	Memory usage statistics for a single monitored server. You can specify the time period that the report includes as well as the period over which the report averages data. If needed, you can include tables of the data that the report is based on.
Network Status	A summary of network metric alerts that were raised for servers within one or more selected SharePoint farms/Server Groups over a specified time period.
Server Capacity Summary	Disk usage for each of the servers that makes up a single SharePoint farm or Server Group.
Server Summary	A summary of a single monitored server, including the server properties, configuration, and trends.
	A list of the worst-performing servers from a single farm/Server Group or from all farms/Server Groups. You can control the time period the report includes. You can also control the number of servers that the report includes. By default, the report includes five servers.
Top Servers	The list is based on the following criteria:
	Number of active alerts.
	• CPU usage.
	Memory usage.
	• Disk activity.

Content Summary Reports

Report	Description
Active Alerts (Content Summary)	All of the active content summary alerts. You can limit the report to one SharePoint farm or tenant or include all monitored SharePoint farms and tenants.
Alert History (Content Summary)	The alert history for the content summary in one SharePoint farm/tenant or in all monitored

Report	Description
	SharePoint farms and tenants. You can control the time period for the alerts that the report includes.
Content Summary Errors	A summary of errors that may have occurred during data collection.
Farm Content Summary	A summary of the content of a selected SharePoint farm. You can control the time period the report includes. If needed, you can include tables of the data that the report is based on.
Farm Document Composition	The types of documents that a specific SharePoint farm includes.
Farm Growth	A summary of the growth of the content databases and database files that make up the SharePoint farm. You can control the time period the report includes.
Site Collection Document Composition	The types of documents included in a selected Site Collection.
Site Collection Growth	A summary of the growth of the content, databases and database files that make up a Site Collection that you select. You can control the time period the report includes.
Site Collection Summary	A summary of the contents of a Site Collection that you select in a SharePoint farm. You can control the time period the report includes.
Top Site Collections	A summary of the largest Site Collections and the fastest growing Site Collections in your SharePoint farm.
Top Sites	A summary of the largest Sites and the fastest growing Sites in your SharePoint farm
Top Web Applications	A summary that includes a list of the largest Web applications and the fastest growing Web applications. You can include Web applications from all monitored SharePoint farms or from a specific farm that you select.

Report	Description
Web Application Document Composition	The types of documents within a selected Web application.
Web Application Growth	A summary of growth of the content, databases and database files that make up a selected Web application. You can control the time period the report includes.
Web Application Summary	A summary of the contents of a selected Web application. You can control the time period the report includes. If needed, you can include tables of the site collection data and content database data that the report is based on.

Page Reports

Reports	Description
Active Alerts (Pages)	All of the active page alerts. You can limit the report to one SharePoint farm or Server Group or include all monitored SharePoint farms/Server Groups. You can include all pages from the included farms/Server Groups or a single page that you specify.
Alert History (Pages)	The alert history for monitored pages on SharePoint farm or Server Group or on all monitored SharePoint farms/Server Groups. You can include a single page, or all pages from the included farms/Server Groups. You can control the time period for the alerts that the report includes.
Page Component Analysis	Performance details of the individual components that make up a SharePoint page.
Page Statistics	A summary of the page statistics for a single monitored page. You can specify the period included in the report. You can also specify the time period over which the report averages data. If needed, you can include tables of the data that the report is based on.
Page Uptime	A summary of the availability and performance for a single monitored page that you specify.

Reports	Description
Page Uptime Summary	A summary of the availability and performance data for all of the monitored pages in a selected farm or Server Group. You can specify the period included in the report. You can also specify the time period over which the report averages data.
Top Pages	 A list of the worst-performing monitored pages. You can include pages from a single farm or Server Group or from all farms/Server Groups. You can control the time period the report includes. You can also control the number of pages that the report includes. By default, the report includes five pages. The list is based on the following criteria: Number of active alerts. Average load time. Total downtime.
Page Status	 The following status information for one or more Monitored Pages Server Status Load Time Thresholds Date and time data was collected Summary of http Status code and message, (e.g., OK; Access Denied)

Office 365 Reports

Reports	Description
Current Traffic Analytic	 For one or more selected SharePoint Online sites, the number of site visits and unique views: for the last seven days AND over the lifetime of the site.

Viewing Pre-Defined Report Definitions

To view a pre-defined report definition:

Use one of the following options:

- 1. In the Management Console, select either Overview, or a farm whose reports you wish to see.
- 2. Click the farm name, above the overview area, and select **Reports** from the drop down pane.

=		SharePoint On-P	Premises-> b-sp10-a-wfe1 +	→ Views •						
Home	~									
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports	
SharePoint	+ ~									1

3. From the left hand pane, select the report that you would like to view.

=			SharePoint On-Premises-> b-s	sp10-a-wfe1	ightarrow Reports	
谷	Home .		P Type keywords here		🐱 Reports - Farm/Group Reports	
0	Overview		Farm Reports	~	Farm Reports Metaloxiv Diagnostic Manager provides a variety of reports to allow you to diagnose problems	print out data for design meetings or to provide you with the data you need for weekly meetings with your manager and
	SharePoint		Active Alerts (Farms/Groups)		capacity planning.	print det deta for de oger meteringe of to provide yee mer the data yee noed for meening meeninge mer yeer meninger and
	On-Premises	+	Alert History (Farms/Groups)		Farm Alert Reports Reports on the alerts associated with your monitored Farm	Farm Reports Overall health of your Farm
			Content Database Summary		Active Alerts (Farms/Groups)	Content Database Summary
13	b-sp10-c-s08r		Farm/Group Capacity Summary		View the active alerts for monitored SharePoint farms or server groups	Summary of the content databases used in a SharePoint farm
	b-sp19-a-sa		Farm/Group Summary		Alert History (Farms/Groups) Analyze the alert history for monitored SharePoint farms or server groups	Farm/Group Capacity Summary Analyze the disk usage of the servers in a monitored farm or in a server group
m	SharePoint Online -	+	SQL Server Inventory			Farm/Group Summary View configuration and health for a single SharePoint farm or server group
-	https://metalogixsoftware622-a		Content Summary Reports	~		SQL Server Inventory
۵	dmin.sharepoint.com		Server Reports	~		Analyze the SQL Servers and databases used by SharePoint
	Server Groups	+	Page Reports	~		
	SG1					

• The reports are grouped by subject matter, selecting the \bigvee next to the group name will expand the list of available reports within that category.

The Reports view displays the report that you selected. The Reports view includes additional information about the report and the information that the report contains.

After you select the appropriate parameters, you can you can <u>run the report</u>.

Creating and Using Metric Status Reports

You can create a report for a single metric for which Metalogix Diagnostic Manager collects data. You can select from almost 200 metrics, and include multiple farms, Server Groups, and servers in the report.

i NOTE: Only one report can be created per metric.

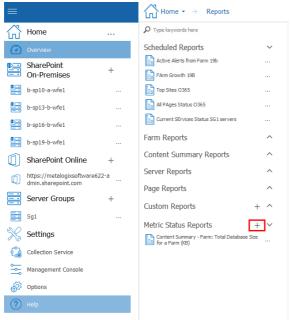
To create a Metric Status Report:

1. In the Management Console, select either Overview, or a farm whose reports you wish to see.

2. Click the farm name, above the overview area, and select **Reports** from the drop down pane.

=		SharePoint On-Premi	ses-> b-sp10-a-wfe1 \star \rightarrow	Views *						
Home	~									
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🔔 Alerts	Reports	
SharePoint	+ ~									1

3. Select the (+) next to the Metric Status Reports section.



- 4. In the Select Report Metrics dialog box, enter a unique name for the report in the Report name field.
- 5. Select the metric for whose status you want to report.

Select Report Metrics ?	x
Report name: Kenmore Free Physical Memory	
- Metrics	
Select a metric to be used on this report.	
CPU: CPU Usage Total - Privileged Time (Percent)	~
CPU: CPU Usage Total - User Time (Percent)	
CPU: Processor Queue Length (Count)	
Disk: Disk Time (Percent)	
Disk: Disk Writes Per Second (Count)	
IIS: IIS Requests Per Second (Count)	
IIS: IIS Current Connections (Count)	
Page Load: Page Unavailable	
Page Component Analysis: Web Control Render Time (ms)	
Page Component Analysis: HTML Control Render Time (ms)	
Page Component Analysis: Page Component Load Failed	
Page Component Analysis: Metalogix Component Analysis Solution Not Installed	
Page Component Analysis: Metalogix Component Analysis Execution Failed	
Page Component Analysis: Alternate Access Mapping Missing	
Memory: Free Physical Memory (KB)	
Memory: Free Virtual Memory (KB)	
Memory: Total Virtual Memory (KB)	
Memory: Total Physical Memory (KB)	
Server: Metric Is Not Available	
IIS: IIS Requests Queued (Count)	
IIS: IIS Requests Rejected (Count)	~
OK	el l

6. Click **OK**.

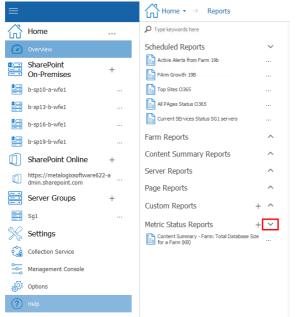
The new report displays in both the Management Console tree and the Reports - Metric Status Reports view.

To run a Metric Status Report:

- 1. In the Management Console, select either Overview, or a farm whose reports you wish to see.
- 2. Click the farm name, above the overview area, and select **Reports** from the drop down pane.

≡		SharePoint On-Premis	es-> b-sp10-a-wfe1 \star \rightarrow	Views •					
Home	~								
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports
SharePoint On-Premises	+ ~								

3. Select the (\/) next to the **Metric Status Reports** section, and double click on the report you wish to run.



4. In the Report view, select the report filters from the drop-down lists.

🛃 Reports	- CPU Usage - All V	VFEs				
Farm(s):	< All >			~	Range:	
Server(s)	< 0 item(s) selected >			~		
Period:	 (Select All) 2010Foundation bellumpdc 					
		ОК	Cancel			
-V' - L	nagnostie ir	ianay				

5. Now you can <u>run the report</u>.

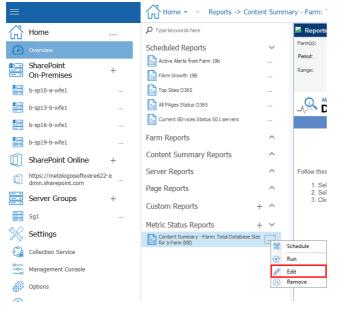
To edit a Metric Status Report name:

1. In the Management Console, select either Overview, or a farm whose reports you wish to see.

2. Click the farm name, above the overview area, and select **Reports** from the drop down pane.

=	SharePoint On-Premi	ses-> b-sp10-a-wfe1 * \rightarrow	Views +						
Home									
Overview	Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports	
SharePoint + V									

3. Select the (\/) next to the **Metric Status Reports** section, and select the (...) next to the report which you would like to run, and select **edit** from the drop down menu.



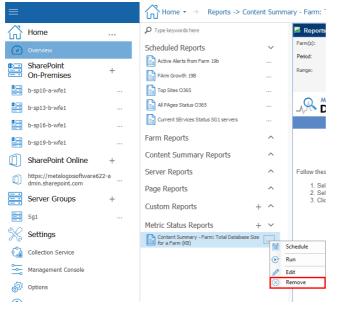
4. In the Select Report Metrics dialog, update the Report name then click OK.

To delete a Metric Status Report:

- 1. In the Management Console, select either Overview, or a farm whose reports you wish to see.
- 2. Click the farm name, above the overview area, and select **Reports** from the drop down pane.



3. Select the (\/) next to the **Metric Status Reports** section, and select the (...) next to the report which you would like to run, and select **Remove** from the drop down menu.



Creating and Using Custom Reports

Every environment has unique reporting needs. If the standard reports that Metalogix Diagnostic Manager provides do not meet your needs, you can create custom reports.

A custom report can include up to 10 metrics, each of which is presented in its own line chart. You can include any combination of metrics. When you run the report, you specify the server to include in the report, along with the range of data to include and the granularity of the data. You can also choose to include or omit the tabular data that makes up the chart in the report.

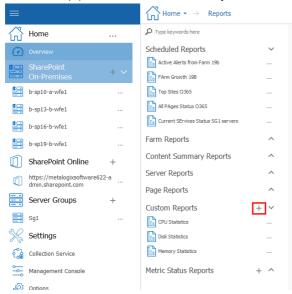
I NOTE: Currently, you cannot schedule custom reports nor export them to CSV.

To create a custom report:

- 1. In the Management Console, select either Overview, or a farm whose reports you wish to see.
- 2. Click the farm name, above the overview area, and select **Reports** from the drop down pane.

=		SharePoint On-Premis	es-> b-sp10-a-wfe1 \star \rightarrow	Views *					
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🙏 Alerts	Reports
SharePoint On-Premises	+ ~								

3. Select the (+) next to the Custom Reports section.



4. In the Add Custom Report dialog, enter a unique name for the report in the Report name field.

Add Custom Report	?	×
Reportname:		
- Report Metrics		
Select up to 10 of the metrics to be included in the custom report. The metrics will appear in the report in the order they are listed.		
	Add	
	Remove)
	A Move U	0
	Move D	own
<u>o</u> k	Cancel	

5. Select **Add**, the select report metrics window will open, you can Control-Click to select multiple metrics.

dd s	elect Report Metrics	?	×
Re	Available Metrics:		-
	Metric		^
	CPU: CPU Usage - Per-Process Privileged Time (Percent)		-
e	CPU: CPU Usage - Per-Process Total (Percent)		
1	CPU: CPU Usage - Per-Process User Time (Percent)		
	CPU: CPU Usage Total - Privileged Time (Percent)		
	CPU: CPU Usage Total - User Time (Percent)		
	CPU: CPU Usage Total (Percent)		
	CPU: Processor Interrupts per Second (Count)		
	CPU: Processor Queue Length (Count)		
	Disk: Average Disk Queue Length (Count)		
	Disk: Average Disk Seconds Per Read (ms)		
	Disk: Average Disk Seconds Per Transfer (ms)		
	Disk: Average Disk Seconds Per Write (ms)		
	Disk: Disk Free Percent (Percent)		
	Disk: Disk Free Space (MB)		
-	Disk: Disk Idle Time (Percent)		
	Disk: Disk Reads Per Second (Count)		
	Disk: Disk Size (MB)		~
	OK	Cano	el

6. When you have selected the metrics to include, click **OK**.

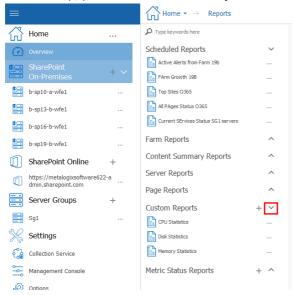
The new report displays in the Management Console tree and the Reports -Custom Reports view.

To run a custom report:

- 1. In the Management Console, select either Overview, or a farm whose reports you wish to see.
- 4. Click the farm name, above the overview area, and select **Reports** from the drop down pane.



5. Select the (\bigvee) next to the **Custom Reports** section.



6. In the Custom Reports view, select the report filters from the drop-down lists.

🛃 Repo	orts - Usage Statistics
C ×	🏠 💡 Reset Filters
Server:	axcelertestdc 🗸
Period:	Last 7 Days 🔹
Range:	5/29/2014 - 6/5/2014
Sample:	Every 2 Hours
	Hours Every 2 Hours
	Every 4 Hours Every 8 Hours Days
-	Market and a

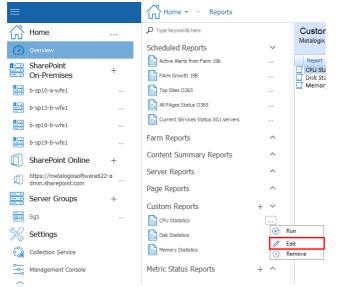
- **i** NOTE: Use the **Sample** filter to specify the intervals at which data should be mapped. If you want to **Show Tabular Data** along with the chart(s), check this box.
- 7. Now you can <u>run the report</u>.

To edit a custom report definition:

- 1. In the Management Console, select either Overview, or a farm whose reports you wish to see.
- 2. Click the farm name, above the overview area, and select **Reports** from the drop down pane.

=			SharePoint On-Pren	nises-> b-sp10-a-wfe1 \star \rightarrow	Views +						
Home		~									
Overview	·		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports	
ShareP On-Pre	oint mises	+ ~									J

3. Select the (\/) next to the **Custom Reports** section, and select the (...) next to the report which you would like to run, and select **edit** from the drop down menu.



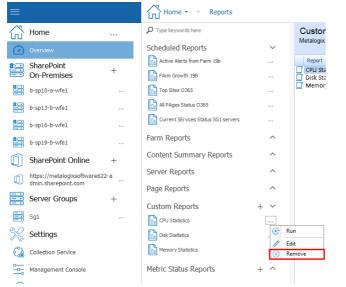
4. Now you can update the Report name, change the order in which metrics are displayed in the report, and/or add/remove metrics, and click **Ok**.

To delete a custom report:

- 1. In the Management Console, select either Overview, or a farm whose reports you wish to see.
- 2. Click the farm name, above the overview area, and select Reports from the drop down pane.

=		SharePoint On-Premis	ses→ b-sp10-a-wfe1 • →	Views *						
Home	~									
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports	
SharePoint	+ ~									1

3. Select the (\/) next to the **Custom Reports** section, and select the (...) next to the report which you would like to run, and select **Remove** from the drop down menu.



Running a Report

Once you have created a report and selected filters, you can:

• run the report immediately by clicking the (...) next to the report you wish to run, and selecting **Run** from the drop down menu.

С н	ome		P Type keywords here		🛃 Reports - Farm/Group Rep
(2) 0	verview		Farm Reports	~	Farm Reports Metalogix Diagnostic Manager
s St	harePoint		Active Alerts (Farms/Groups)		capacity planning.
SI 0	n-Premises	+	Alert History (Farms/Groups)		Farm Alert Reports Reports on the alerts associated
b-			Content Database Summary		· · · · · · · · · · · · · · · · · · ·
😑 ь-	sp10-c-s08r		Farm/Group Capacity Summary	[]	Active Alerts (Farms/Groups) View.the active alerts for more
₽ ₽ ₽ ₽	sp19-a-sa		Farm/Group Summary	🛗 Sch	n e the alert history for m
n sł	harePoint Online	+	SQL Server Inventory		
s htt	tps://metalogixsoftware622-	a	Content Summary Reports	^	
	nin.sharepoint.com		Server Reports	~	
Se	erver Groups	+	Page Reports	~	

OR

• schedule the report to run at a later time and/or on a recurring basis.

If you chose to run the report immediately, from Report results you can do the following:

- Click the First Page, Previous Page, Next Page, and Last Page buttons to view the report pages.
- Click the Refresh icon (🖻) to refresh the report.
- Click the Print icon () to print the report.
- Click the Print Layout icon (III) to view the print layout for the report.
- Click the Page Setup icon (¹) to change the page size, orientation, margins, and paper source in the printer.
- Click the Export icon (🚽) to export the report as an Excel, PDF, or CSV file.
- NOTE: If you select the **CSV** option, only tabular—not graphical—data will be output. For reports that include graphical data (such as Statistics or certain Summary reports) that you want to output to CSV, tabular data will be included *regardless of whether the* **Show Tabular** Data box is checked.

🛃 Reports - CPU Statistics	
Server: 2010Foundation]
Period: Today]
Range: 2/4/2016 - 2/4/2016	
Sample: Hours	
Show Tabular Data	
③ ⑤ ③ 🛃 🛛 ◀ 1 of 2 🕨 🔰 🔍 🎒	₩ 100% •
	Acrobat (PDF) file
Metalogix	CSV (comma delimited)
	Excel 97-2003

Scheduling a Report

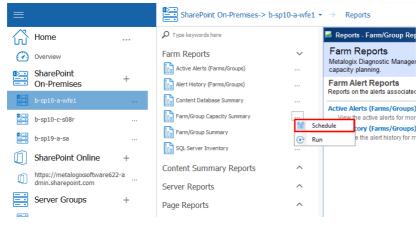
The Metalogix Diagnostic Manager Scheduled Reports feature lets you set up reports to run in the background at a specified date and time, either once or on a recurring basis.

To schedule a report do the following:

- 1. In the Management Console, select a farm whose reports you wish to see.
- 2. Click the farm name, above the overview area, and select **Reports** from the drop down pane.

=		SharePoint On-Premises-> b-sp10-a-wfe1 • -> Vews •							
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports
SharePoint	+ ~								

3. From the left hand pane, select (...) next to the report that you would like to schedule, and select **Schedule** from the drop down list.



This feature is especially useful for reports that you want to run and distribute on a regular basis.

NOTE: Currently, you cannot schedule a custom report or a report that includes a custom date range.

Scheduling a Recurring Report for Which a Specific Time Period was Selected

When report parameters specify a fixed time period (for example, "Today" or "Last [x] Days (or Hours)," the Metalogix Diagnostic Manager scheduler will interpret it as a *relative* date range (that is, relative to the date when the scheduled job is run). Whenever the job runs, the report will cover the specified time period, as of the run date.

EXAMPLE: If you initiate an Alert History Report for a date range that covers the past 7 days, then schedule it to run every week, beginning in the first week of February:

Schedu	led Report Setti	ngs	5	-		8 23
— Ge	eneral Job Infor	mation ———				
Jot	b Name:	Weekly Alert History Report	t		Active	
De	scription:	Alerts received in the previ	ous week		-	
Ou	tput File Name:	WeeklyAlertHistory			Output Type: A	crobat (PDF 🗸
		✓ Include Date Time stamp	in file name			
— Sc	chedule Details					
s	Start: 2/7	/2016 4:57 PM 🗸	Recurring	Run Every: Until:	1 \$ 2/7/2017 12:4	Weeks
— Di:	stribution Detai	ls ————	•			
🛃 Reports - Alert His	story (Farms)				^	5 10 11
Farm: 2013 SharePo	oint		•		V	Email Settings
Period: Last 7 Days			-			
Range:	2/1/2016 -	2/7/2016				
Column: Time	▼	c 🔘 Desc			OK	Cancel

• the first time the scheduled job runs, results will include data for the week specified in the report parameters:

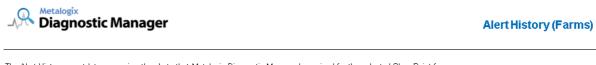
$\sqrt{2}$ Metalogix **Diagnostic Manager**

Alert History (Farms)

The Alert History report lets you review the alerts that Metalogix Diagnostic Manager has raised for the selected SharePoint farm.

Fam:	2013 SharePoint
Date Range:	2/1/2016-2/7/2016
Alert Count:	572

• the second time the scheduled job runs (the following week), results will include data for the second week of February.



The Alert History report lets you review the alerts that Metalogix Diagnostic Manager has raised for the selected SharePoint farm.

Fam:	2013 SharePoint
Date Range:	2/8/2016-2/15/2016
Alert Count:	959

Creating a Scheduled Report

i NOTE: Currently, you cannot schedule a custom report or a report that includes a custom date range.

To create a Metalogix Diagnostic Manager Scheduled Report job:

- 1. In the Management Console, select a farm whose reports you wish to see.
- 2. Click the farm name, above the overview area, and select **Reports** from the drop down pane.



3. From the left hand pane, select (...) next to the report that you would like to schedule, and select **Schedule** from the drop down list.

≡	SharePoint On-Premises-> b-sp1	lO-a-wfe1 🔹	ightarrow Reports
Home	P Type keywords here		🐱 Reports - Farm/Group Re
Overview	Farm Reports	~	Farm Reports Metalogix Diagnostic Manage
SharePoint + On-Premises +	Active Alerts (Farms/Groups)		capacity planning. Farm Alert Reports
b-sp10-a-wfe1	Content Database Summary		Reports on the alerts associate
🔛 b-sp10-c-s08r	Farm/Group Capacity Summary		Active Alerts (Farms/Groups View the active alerts for mo
🔄 b-sp19-a-sa	Farm/Group Summary	€ Rur	tory (rariis/ groups
SharePoint Online +	SQL Server Inventory		
https://metalogixsoftware622-a	Content Summary Reports	^	
Server Groups +	Server Reports Page Reports	^	

- 4. Complete the General Job Information section as follows:
 - a) Enter a Job Name and Description.
- NOTE: Choose a brief but descriptive name that uniquely identifies the job. This will make it easier for you to identify it in the <u>Scheduled Reports grid</u>.
 - b) If you want the job to be active, make sure the Active box is checked.
- **i** NOTE: Once a scheduled job has been added, it can be activated or deactivated as needed.
 - c) Enter an Output File Name.
- NOTE: It is not necessary to enter a file extension; it will be applied automatically based on the selected **Output Type**.
 - d) Select an Output Type (Acrobat (PDF), Excel 97-2003, or CSV (comma delimited) from the

Output Type:	Acrobat (PDF	~
	Acrobat (PDF) fil	e
	Excel 97-2003	
drop-down	CSV (comma deli	mited)

NOTE: If you select the **CSV** option, only tabular—not graphical—data will be output. For reports that include graphical data (such as Statistics or certain Summary reports) that you want to output to CSV, tabular data will be included *regardless of whether the* **Show Tabular** Data box is checked.

jes	Reports - CPU Statistics					
	Server: 2010Foundation					
orts	Period: Last 30 Days 🔹					
iones.	Range: 12/20/2015 - 1/19/2016					
s (Farms)	Sample: Every 8 Hours					
y (Farms)	Sorting Show Tabular Data					
tabase Summary	Column: Date					
theduled Report Sett	ings 23					
— General Job Info	rmation					
Job Name:	Monthly Server CPU Statistics					
Description:	Server usage for 2013 Farm WFE Poin					
Output File Name:	Monthly_CPU_Usage Output Type: CSV (comma V					
	✓ Include Date Time stamp in file name					

e) If you want the date and time that the job is run to be appended to the file name, click the
 Include Date Time stamp in the file name box. (This will enable you to retain a historical record of report results.)

Scheduled Report Sett	ings	2X 8
— General Job Info	rmation —	
Job Name:	Weekly Alert History Report	Active
Description:	Alerts received in the previous week	
Output File Name:	WeeklyAlertHistory	Output Type: Acrobat (PDF 🗸
1	✓ Include Date Time stamp in file name	
- Schedule Details		

5 Complete the **Schedule Details** as follows:

k th	e Re	curr				d tir	ne.						
Sche	edule Det		ing	box	×		a. Enter or select a Start date and time.						
		taile			.								
	-	lans											
	rt /17/2015	12:00	MA,			Re	curring						
Tuesday, November 17, 2015													
€ November, 2015						(>							
	Sun	Mon	Tue	Wed	Thu	Fri	Sat						
	25		27		29								
	1	2	3	4	5	6	7						
	8	9,	10	11	12	13	14	L					
	15	16	17	18	19	20	21	-					
			h24	25	26								
	29	30	1			4							
		22 29		29 30 1	22 23 224 25 29 30 1 2 Clear	29 30 1 2 3	29 30 1 2 3 4	29 30 1 2 3 4 5					

If you want to	Then					
run an operation at regular intervals	a. For Start , enter or select the first date and time that you want the job to run.					
	b. Make sure the Recurring box is checked.					
	c. For Run every:					
	 Enter or select the interval (as a positive integer) at which you want the job to run. 					
	 Select an interval type (Weekly, Hourly, Daily, or Monthly). 					
	d. For Until, enter or select the last date and time that you want the job to run.					
	Schedule Details					
	Start: 2/5/2016 1.26 PM V Image: Recurring Run Every: 1 \$					
	- Netribution Datsile					

- NOTE: Dates and times correspond to those of the server on which the Metalogix Diagnostic Manager scheduler is running.
- 6 For Distribution Details:
 - Complete the Send to:, Subject, and Message fields. (Note that you can enter multiple email addresses (separated by commas) in the Send to field.

— Distributi	on Details		
Distribut			
Send To:	jjoyce@metalogix.com,mmeade@metalgix.com	~	
		~	Email Settings
Subject:	Weekly Alert History		
Message:	See attachment.		<u>^</u>
			~

- If you want to configure email settings, click the [Email settings] and follow the instructions for <u>Configuring e-mail Settings</u>.
- **CAUTION:** Email settings are common across Metalogix Diagnostic Manager operations. For example, any changes made to email settings initiated from the Scheduled Report dialog will also impact <u>Alert Responses</u>.
- 7 To save the job, click [OK].

Once a scheduled job has been created, it can be accessed via the Scheduled Reports grid.

Managing Scheduled Reports

From the Scheduled Reports grid, you can view the status of scheduled jobs. You can also:

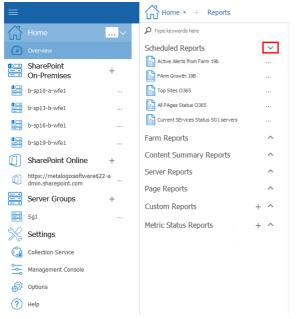
- view the report's parameters
- edit scheduled report settings
- delete scheduled jobs
- run a scheduled report immediately

To access the Scheduled Reports grid:

1. In the Management Console, select the farm whose reports you want to view, select the name above the viewing pane and click **Reports** from the drop down panel.



2. Select the (V) next to the Scheduled Reports section.



3. The Scheduled Report grid displays the following information for each scheduled job:

2	Reports - Scheduled	i Reports						
Enter text to search V Find Clear								
	Name	Status	Creation Date	End Date	Last Run Time	Next Run Time		
Þ	Weekly Farm Alerts	Pending	11/30/2015 12:01 PM	11/30/2016 12:01 PM	11/30/2015 12:01 PM	12/7/2015 12:01 PM		
	Top Pages for the Last	Pending	11/30/2015 12:05 PM	11/30/2016 12:05 PM	Never	1/1/2016 12:05 PM		
	Hourly CPU Statistics f	Retired	11/30/2015 12:08 PM	11/30/2016 12:08 PM	11/30/2015 12:08 PM	Never		

• Job Name

• One of the following Schedule Status values:

Status	Description
Pending	All jobs that are scheduled to run within the specified date range.
	Pending jobs include:
	 one-time jobs that have not yet run
	AND
	 recurring jobs that have not yet reached their End Date.
Running	All scheduled jobs that are currently running (as long as the specified date range includes the current date).
Inactive	Jobs that are not currently active but were created or last ran during the specified date range.
Retired	Jobs that finished running within the specified date range.
	Retired jobs include:
	 one-time jobs that have already run
	AND
	 recurring jobs that have reached their End Date.

- Creation Date and time
- End Date and time (which, for recurring jobs, displays the *last* date and time that the job is scheduled to run)
- Last Run Time
 - NOTE: If a job has not yet run for the first time, the Last Run Time displays as "Never."
- Next Run Time, which identifies:
 - the next date/time a Pending job is scheduled to run
 - the last date/time a Retired or Inactive job ran
 - the start date/time that an in-process job started running.
 - i NOTE: If a job has reached its End Date and time, the Next Run Time displays as "Never."

If you want to narrow displayed results, you can:

• search for a specific text string

	Reports - Scheduled Re	eports	
[Weekly		✓ Find
_	Weekly		13
	Name	Status	Creation Date
Þ	Weekly Farm Alerts	Pending	11/30/2015 12:01 PM

AND/OR

• filter by one or more column headers.

Status	Creation Date (All)
Retired	(All) (Custom)
	Pending
	Retired
	ک ^ی

Viewing Scheduled Report Parameters

From the Scheduled Reports grid you can view a scheduled report's parameters.

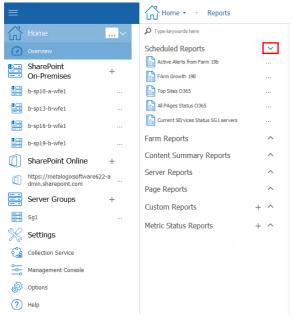
i NOTE: Currently, you can view, but not edit, scheduled report parameters.

To view a scheduled report's parameters:

1 In the Management Console, select the farm whose reports you want to view, select the name above the viewing pane and click **Reports** from the drop down panel.

Home	~									
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports	
SharePoint On-Premises	+ ~									1

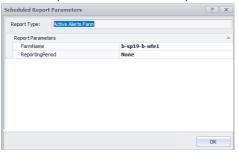
2 Select the (\bigvee) next to the Scheduled Reports section.



3 Next to the report whose parameters you wish to see, select the (...), and from the drop down menu select **Parameters**.

=		Home 🔹 $ ightarrow$ Reports		
Home	~	₽ Type keywords here	[Enter text to s
Overview		Scheduled Reports	~	Name
SharePoint On-Premises	+ ~	Contractive Alerts from Farm 19b	Run	Active Alerts
b-sp10-a-wfe1		Top Sites O365	··· 🥢 Edit	inclus .
b-sp13-b-wfe1		All PAges Status O365	🛞 Rem	ove
D		Current SErvices Status SG1 servers	🚺 Refre	sh

4 this will open the Scheduled Report Parameters window.



Editing Scheduled Report Settings

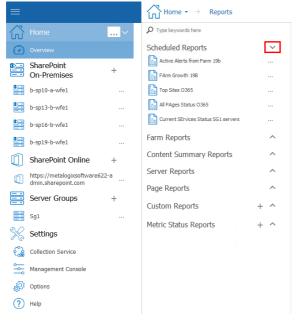
From the Scheduled Reports grid, you can edit the details of a report's schedule.

To edit Scheduled Report settings:

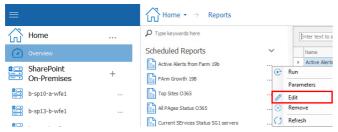
1 In the Management Console, select the farm whose reports you want to view, select the name above the viewing pane and click **Reports** from the drop down panel.

=		SharePoint On-Premi	ses-> b-sp10-a-wfe1 \star \rightarrow	Views +						
Home	~									
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports	
SharePoint	+ ~									1

2 Select the (V) next to the Scheduled Reports section.



3 Next to the report whose parameters you wish to see, select the (...), and from the drop down menu select **Edit**.



3. Update the appropriate fields, as described in the topic Creating a Scheduled Job.

- General	Job Info	mation			
Job Name		FArm Growth 19B		Active	
Descriptio	in:	FArm Growth 19B			
Output Fil	e Name:	FArm Growth 19B		Output Type:	Excel 97-2003
		🗹 Include Date Time stamp in file name			
- Schedul	e Details				
Start:	10	/4/2019 12:40 PM 🔻 🗹 Recurring	Run Every: Until:	1 :	Days
– Distribu	tion Deta	ils			
Send To:	Ingrid.C	ardenas@jalasoft.com			*
Selid To.					Email Setting
Subject:	FArm G	rowth 19B			+ Email Setting

i NOTE: You can edit any field on this dialog except the Job Name.

Deleting a Scheduled Report Job

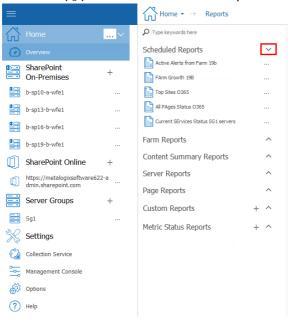
i NOTE: Currently, you can only delete one scheduled job at a time.

To delete a Scheduled Report job:

1 In the Management Console, select the farm whose reports you want to view, select the name above the viewing pane and click **Reports** from the drop down panel.

=		SharePoint On-Premis	es-> b-sp10-a-wre1 • →	Views +						
Home	~									
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports	
SharePoint	+ ~									

2 Select the (\bigvee) next to the Scheduled Reports section.



3 Next to the report whose parameters you wish to see, select the (...), and from the drop down menu select **Remove**.

≡		Home 🔹 🔿 Reports		
Home	~	₽ Type keywords here		Enter text to s
Overview		Scheduled Reports	~	Name
SharePoint On-Premises	+ ~	Active Alerts from Farm 19b	©	Active Alerts Run Parameters
b-sp10-a-wfe1		Top Sites O365	/	Edit
b-sp13-b-wfe1		All PAges Status O365	🗵	Remove
b =0		Current SErvices Status SG1 servers		Refresh

Running a Scheduled Report Immediately

From the Scheduled Reports grid, you can initiate an immediate, one-time run of the report, using the parameters and distribution details specified in the Scheduled Report Settings.

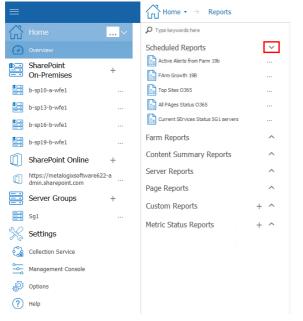
NOTE: Initiating a one-time report run will not impact the job's schedule. For example, a Pending job will still run at the Next Run Time displayed in the grid. You can also run a Retired job.

To run a scheduled report immediately:

1 In the Management Console, select the farm whose reports you want to view, select the name above the viewing pane and click **Reports** from the drop down panel.

=		SharePoint On-Pren	nises-> b-sp10-a-wfe1 + ⊖	Views +						
Home	~									
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	🛕 Alerts	Reports	
SharePoint	+ ~									

2 Select the (V) next to the Scheduled Reports section.



3 Next to the report whose parameters you wish to see, select the (...), and from the drop down menu select **Run**.

≡		Home 🔹 🔿 Reports		
Home	~	₽ Type keywords here		Enter text to s
Overview		Scheduled Reports	\sim	Name
SharePoint On-Premises	+	Active Alerts from Farm 19b	•	Active Alerts Run Parameters
b-sp10-a-wfe1		Top Sites O365	/	Edit
b-sp13-b-wfe1		All PAges Status O365	🛞	Remove
D		Current SErvices Status SG1 servers		Refresh

Managing Metalogix Diagnostic Manager

You can specify the options for the Management Console and Collection Service, including the Repository. You can also force Metalogix Diagnostic Manager to collect data from servers and pages or even suspend data collection.

Temporarily Suspending Data Collection

You may want to temporarily stop collecting data from part of your SharePoint deployment. With Metalogix Diagnostic Manager, you can choose to temporarily stop collecting data from any server, Web application, or monitored page.

Disabling Data Collection for a Server

If you disable data collection for a server, the Collection Service no longer retrieves information about the memory, CPU, or disk states on any server type. On Web front end (WFE) hosts, the Collection Service also stops retrieving information about Internet Information Server (IIS). Finally, the Collection service stops monitoring pages on disabled servers. If the disabled server is the only WFE you use to monitor the page, then no data is collected for the page. If you collect data about the page from another WFE and the other WFE is enabled, the Collection Service continues to monitor the page on the enabled WFE. If you monitor a page on all WFEs, the Collection Service excludes the disabled server when it monitors the page. In addition, the Collect Metrics Now option in the ribbon in the Server Dashboard view becomes disabled.

NOTE: When you disable data collection for a server, any historical data is retained in the Repository. You can continue to use the Management Console to review any stored data about the server, but no new data is collected.

To temporarily disable data collection for a server:

1. In the Management Console, double click on the farm which contains the server you wish to disable data collection form.

2. Select the farms' name above the view pane, and select **Servers** from the drop down pane.

=		SharePoint On-Pre	nises-> b-sp10-a-wfe1 ▼ →	Views • Overview					
Home	~			-					
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports
SharePoint On-Premises	+ ~			-					

3. Select the (...) next to the server for which you would like to disable data collection, select **Disable** from the drop down menu.

=		SharePoint On-Premise	es-> b-sp10-a-wfe1 \bullet > Servers
Home	~		
Overview		Servers	+ Critical 3 servers in c
SharePoint On-Premises	+	B-SP10-A-DB1	Collect Metrics Now
b-sp10-a-wfe1		B-SP10-A-WFE2	- 🏠 Edit alert thresholds
b-sp13-b-wfe1			🖉 Disable
ø⊒ ×.			C Refresh

NOTE: A disabled server will display in the tree with a 🛅 icon.

To enable data collection for a server:

- 4. In the Management Console, double click on the farm which contains the server you wish to disable data collection form.
- 5. Select the farms' name above the view pane, and select **Servers** from the drop down pane.



6. Select the (...) next to the server for which you would like to disable data collection, select **Enable** from the drop down menu.



Disabling Data Collection for a Web Application

If you disable data collection for a Web application, the Collection Service no longer retrieves information about the Web application or any of the site collections within it.

NOTE: When you disable data collection for a Web application, any historical data for the Web application and the site collections it hosts is deleted from the Repository. However, any monitored pages within the Web application that were manually added to Metalogix Diagnostic Manager will continue to be monitored.

To temporarily disable data collection for a Web application:

- 1. In the Management Console, double click on the farm which contains the server you wish to disable data collection form.
- 2. Select the farms' name above the view pane, and select **Web Applications** from the drop down pane.

≡		SharePoint On-Premi	SharePoint On-Premises > b-sp10-a-wfe1 • -> Servers						
Home	~								
Overview		Views	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports
SharePoint	+								

3. Select the (...) next to the web application for which you would like to disable data collection, select **Disable** from the drop down menu.

=		SharePoint On-Premises->	ightarrow b-sp10-a-wfe1 $ ightarrow$ Web Applicatio
Home		${\cal P}$ Type keywords here	Content Summary: b-
Overview		Web Applications	Farm Content Sur
SharePoint On-Premises	+	Central Administration	Collect Content Summary
and the second se			. 🖉 Disable
b-sp10-a-wfe1		SharePoint - 19674	C) Refresh

4. You will be prompted to confirm the action before continuing.

i NOTE: A disabled Web application will display in the tree with a 🛅 icon.

Note that, when a Web application is disabled, the site collections it hosts will no longer be visible in the Management Console tree.

To re-enable data collection for a Web application:

- 5. In the Management Console, double click on the farm which contains the server you wish to disable data collection form.
- 6. Select the farms' name above the view pane, and select **Web Applications** from the drop down pane.

=		SharePoint On-Premi	ses-> b-sp10-a-wfe1 + \rightarrow	Servers					
Home	~								
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports
SharePoint On-Premises	+								

7. Select the (...) next to the web application for which you would like to disable data collection, select **Enable** from the drop down menu.

=		SharePoint On-Premises->	\bullet b-sp10-a-wfe1 \star \rightarrow Web Application
Home	~	${\cal P}$ Type keywords here	Content Summary: b-s
Overview		Web Applications	Farm Content Sur
SharePoint On-Premises	+	Central Administration	Collect Content Summary
b-sp10-a-wfe1		SharePoint - 19674	· C Refresh

 You will be prompted to choose whether you want to: collect data for the Web application immediately OR

wait until the next time a data collection is requested.

Collect	data for selected Web Applications right now	\times
?	You are enabling Web Application monitoring. Do you want to collect data for selected Web Applications rigth now? If you answer No, then the data will be collected the next time that is requested a data collection	1.
	Yes No	

Disabling Data Collection for a Monitored Page

If you disable data collection for a monitored page, the Collection Service no longer retrieves information about the page.

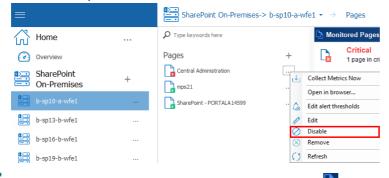
NOTE: When you disable data collection for a page, any historical data is retained in the Repository. You can continue to use the Management Console to review any stored data about the page, but no new data is collected.

To temporarily disable data collection for a page:

- 1. In the Management Console, double click on the farm which contains the server you wish to disable data collection form.
- 2. Select the farms' name above the view pane, and select Pages from the drop down pane.



3. Select the (...) next to the page for which you would like to disable data collection, select **Disable** from the drop down menu.



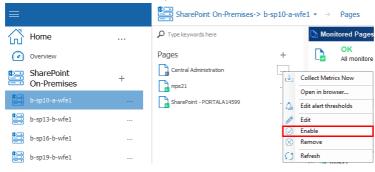
NOTE: A disabled page will display in the tree with a 🛅 icon.

To re-enable data collection for a page

- 1. In the Management Console, double click on the farm which contains the server you wish to disable data collection form.
- 2. Select the farms' name above the view pane, and select **Web Applications** from the drop down pane.

=		SharePoint On-Premis	es-> b-sp10-a-wfe1 \star \rightarrow	Servers					
Home	~								
Overview		Wews	Servers	SQL Servers	Web Applications	Pages	Content Summary Graphs	Alerts	Reports
SharePoint	+								

3. Select the (...) next to the web application for which you would like to disable data collection, select **Enable** from the drop down menu.



Setting the Management Console Preferences

You can make changes to the following Management Console preferences:

				\gg Settings - \rightarrow Management Console	
	b-sp16-b-wfe1		-	Auto Refresh	
	b-sp19-b-wfe1			✓ Auto refresh dashboards	On
	SharePoint Online	+		Auto refresh interval every (minutes) Server View	2 🔹
	https://metalogixsoftware622-a dmin.sharepoint.com			Server VIEW Maintain selected tab and area when switching between servers	On
	Server Groups -	+		Alert View	
	Sg1			Show a maximum matching alerts/page of	1500 🗘
X	Settings			ULS View Show a maximum ULS log entries of	1500 🗘
ેં	Collection Service			Home Page	
	Management Console			Show welcome panel on home page	On
÷.	Options			Save	
?	Help		-		

For the following preference	You can specify
Auto Refresh	whether to disable or enable the dashboard auto refresh for a specific time interval.
Server View	whether to maintain the selected tab and area when switching between servers.
Alert View	the maximum number of alerts to display per page.
ULS View	the maximum number of ULS log entries to display in the list.

Home Page	whether to display or hide the Welcome panel on the Home page.

To set the Management Console preferences:

1 From the Management Console left hand panel, choose **Management Console**.

≡		
\bigcirc	Home	~
\bigcirc	Overview	
	SharePoint On-Premises	+ ~
	b-sp10-a-wfe1	
	b-sp13-b-wfe1	
	b-sp16-b-wfe1	
	b-sp19-b-wfe1	
$\widehat{\mathbb{Q}}$	SharePoint Online	+
	https://metalogixsoftware622- dmin.sharepoint.com	a
	Server Groups	+
	Sg1	
\otimes	Settings	
ୖୄଌୖ	Collection Service	
۱۹°	Management Console	
÷	Options	
?	Help	

- 2 In the Management Console Preferences dialog box, make any desired changes to the options.
- 3 Click Save to close the dialog box and save the changes.

Moving your Repository to a Different SQL Server Instance

You can move your Metalogix Diagnostic Manager repository database from one SQL Server instance to another if necessary. It is important that you first stop the Collection Service before migrating the data between the instances.

To move your repository from one SQL Server instance to another

- 1 Stop the Collection Service.
- 2 Use the following steps to move the database:
 - a) Detach from the source SQL Server instance.
 - b) Copy the database to the target SQL Server instance.

- c) Attach the database in the target SQL Server instance.
- 3 Update the CollectionService.exe.config file, usually located at c:\Program Files (x86)\\Metalogix Diagnostic Manager\CollectionService\. The value RepositoryHost specifies the name of the SQL Server instance hosting the repository.
- 4 Restart the Collection Service.

Setting the Collection Service Options

Metalogix Diagnostic Manager lets you specify how the Collection Service behaves. You can also view information about the Collection Server service host, version, and other configuration information.

NOTE: The time at which a job is scheduled to run reflects the local time of the server on which the Collection Service was installed.

To access the Collection Service Options dialog:

From the Management Console choose **Collection Service Options**, found within the Settings section.

\equiv		
6	Home	~
\bigcirc	Overview	
	SharePoint On-Premises	+
	b-sp10-a-wfe1	
	b-sp13-b-wfe1	
	b-sp16-b-wfe1	
	b-sp19-b-wfe1	
	SharePoint Online	+
	https://metalogixsoftware622 dmin.sharepoint.com	-a
	Server Groups	+
	Sg1	
X	Settings	
83	Collection Service	
۱ ۹	Management Console	
Ð	Options	
?	Help	

Farm & Page Monitoring Scheduling Options

The Collection Service Options - Farm & Page Monitoring Schedule tab contains the following options:

Farm Collection Jobs		
Farm Topology - load farm servers, services and databases every (hours)	24	* *
Configuration - check configuration and SharePoint Health Analyzer reports every (hours)	1	÷
Farm Databases Monitor All DBs Monitor Content DBs and System DBs		
StoragePoint		
Jobs Execution - Monitor StoragePoint jobs execution every (minutes)	30	*

Save

Option	Description
Farm Topology	How often the Collection Service refreshes the list of servers that make up the SharePoint farms and Server Groups.
Configuration	How often the Collection Service checks the configuration and SharePoint Health Analyzer reports for the servers that make up the SharePoint farm.
Farm Databases	The option to Monitor All DBs within SharePoint farms or Monitor Content DBs and System DBs only
StoragePoint	If you use StoragePoint to manage Remote BLOB Storage (RBS) in you SharePoint environment, how often the Collection Service collects StoragePoint jobs execution.

Content Summary Options

Content Summary Tab

The Collection Service Options - Content Summary tab contains the following options:

SharePoint Content Summary Collection Schedule						
Gather farm object counts	and sizes at				1:00:00 AM	* *
on the following days:	 Sunday Monday Tuesday Wednesday Thuesday Friday Saturday 					
Alternate Access I	Mapping Options					
✓ Use Specified Zone Fi	irst				• Off	
Zone:	Default]				
Page Monitoring (Page Monitoring Options					
Ignore SSL certificate erro	ors				• Off	
List Options						
Indude hidden lists Indude all document versions Indude attachments						
Threading Options						
Maximum number of thre	ads to use:			+	4	÷
CAUTION: Increasing this value beyond double the number of CPU cores on the Collection Service machine will not necessarily increase the speed of data collection and may negatively impact SharePoint performance.						

Save

Option	Description
SharePoint Content Summary Collection Schedule	The time of day and the days of the week that the Collection Service collects farm object counts and sizes. By default, the Collection Service retrieves this information every day at 1:00 AM.
Alternate Access Mapping Options	If your SharePoint environment uses Alternate Access Mappings, the zone whose url you want the Collection Service to use first for Content Summary data collection. NOTE : If you do not enable this option, the Collection Service always uses the Default zone first.
Page Monitoring Options	Select whether you want to Ignore SSL Certificate errors.
List Options	 An indication of whether the Collection Service should, in Content Summary data collection: Include hidden lists Include all document versions, and/or Include attachments.

Option	Description
	NOTE : If your environment includes a large number of hidden lists and/or document versions, including them could noticeably increase the duration of the data collection operation.
Threading Options	The maximum number of threads the Collection Service should use when performing a Content Summary data collection. By default, this value coincides with the number of processing cores on the machine where the Collection Service runs. It can, however, be adjusted.
	CAUTION: Increasing this value beyond double the number of cores on the Collection Service machine will not necessarily increase the speed of data collection and may negatively impact SharePoint performance.

NOTE: The options on this tab except for Threading Options, apply to SharePoint On-Premises farms only. (Threading Options apply to both On-Premises farms and Office 365 tenants.) Other Collection options for Office 365 tenants are specified on the <u>Office365</u> tab.

Server Monitoring Schedule Options

Server Monitoring Schedule tab

The Collection Service Options - Server Monitoring Schedule tab contains the following options:

Server Performance Collection					
Gather server performance metrics every (6 🜲				
SQL Server Performance Coll	SQL Server Performance Collection				
Gather SQL server performance metrics ev	ery (minutes)	60 🌲			
Database Fragmentation Coll	Database Fragmentation Collection Schedule				
Collect fragmentation data at:		2:00:00 AM 🇘			
on the following days	 Sunday Monday Tuesday Wednesday Wednesday Thursday Friday Saturday 				
Windows Services Collection					
✓ Gather Windows Services					
Collect Windows Services every (minute	es) 6 🌲				
Application Pool Collection Collect application pool every (minutes) 6					
Save					

Option	Description
Server Performance Collection	How often the Collection Service retrieves performance information from the monitored (Windows) servers.
SQL Server Performance Collection	How often the Collection Service retrieves performance information from the SQL servers.
Database Fragmentation Collection Schedule	The time of day and the days of the week that the Collection Service collects information about the database index fragmentation. By default, the Collection Service retrieves this information every day at 2:00 AM.
Windows Services Collection	How often the Collection Service collects Windows Services status information.
Application Pool Collection	How often the Collection Service retrieves Application Pool status and configuration information from WFE servers.

Security Options

The Collection Service Options - Security tab allows you to specify users you can connect—or are restricted from connecting—to the Collection Service.

collection Service	e Access	
	connect to this collection service. o the following users and groups:	
		Add
		Add Current User
		Remove
	Select Users or Groups	>
	Select this object type:	Object Tupos
Save	Select this object type: Users or Groups From this location:	Object Types
Save	Users or Groups	Object Types Locations
Save	Users or Groups From this location:	
Save	Users or Groups From this location: DOMB-SP.LOCAL	
Save	Users or Groups From this location: DOMB-SP.LOCAL	Locations

ULS Options

The **Collection Service Options - ULS** tab contains options for enabling the collection of ULS Log entries from SharePoint (synchronized across all monitored farms), specifying what level of log entry you want to be collected, how often you want them to be collected, and how long you want them to be retained. You can also <u>clear ULS history from the Repository database</u>.

Gather ULS log e	ntries			
✓ Enable gathering of ULS data from SharePoint databases.				
Gather ULS log entr	ies from SharePoint database every (r	minutes) 30 🌲		
ULS log retention (d	lays)	14 🜲		
Minimum Log Level:		Medium / Warning		
Clear ULS history				
ULS Synchronizat	tion Schedule			
 Enable Timer Job scheduling 	"Diagnostic Data Provider: Trace	e Log" and overwrite its	• Off	
 Minutes 	Every (minutes) 0 🗍			
O Hourly				
Obaily				
O Weekly				
Monthly				
Save				

See Enabling and Configuring ULS Log Entries for details.

Office365 Options

Schedule

The Collection Service Options - Office365 tab contains the following options:

Check Services Status	How often the Collection Service checks for			
Option	Description			
Save				
List Options Indude hidden lists Indude all document versions Indude attachments				
on the following days ✓ Sunday ✓ Monday ✓ Tuesday ✓ Wednesday ✓ Thuesday ✓ Friday ✓ Saturday				
Gather farm object counts and sizes at	1:00:00 AM 🗘			
Content Summary Collection Schedule				
Check services metrics every (minutes)	15 ‡			
Check Services Status Schedule				

Collection Service checks for the status of Office 365 services. By default, the Collection Service retrieves this information

	every 15 minutes.
Content Summary Collection Schedule	The time of day and the days of the week that the Collection Service collects tenant object counts and sizes. By default, the Collection Service retrieves this information every day at 1:00 AM.
List Options	An indication of whether the Collection Service should, in Office 365 data collection:
	Include hidden lists
	Include all document versions, and/or
	Include attachments.
	NOTE : If your environment includes a large number of hidden lists and/or document versions, including them could noticeably increase the duration of the data collection operation.

NOTE: Threading Options, which apply for both On-Premises SharePoint farms and Office 365 tenants, are specified on the <u>Content Summary</u> tab.

Repository Maintenance Options

The Collection Service Options - Repository Maintenance tab contains the following options:

Repository Maintenance Schedule	
Perform repository maintenance each day at	12:00:00 AM 🗘
Update query statistics every (minutes)	240 🌲
Groom Repository Now	Update Statistics Now
Performance Data Grooming	
✓ Groom performance data	On
Older than (days)	
Alert Grooming	
✓ Groom alerts	On
Old than (days) 31 🌲	
Save	

Option	Description
Repository Maintenance Schedule	What time the Collection Service should perform required maintenance on the Repository.

Option	Description
Performance Data Grooming	The Collection Service can groom performance data older than the age you specify. You can also choose to disable performance data grooming.
Alert Grooming	The Collection Service can groom alerts older than the age you specify. You can also choose to disable alerts grooming.

In addition to setting the Collection Service preferences, you can use the Collection Service Options dialog box to take the following immediate actions:

- Groom Repository Now immediately starts to groom the data Repository.
- Update Statistics Now immediately collects and updates the Metalogix Diagnostic Manager Repository database statistics.
- To immediately start grooming the data Repository, click [Groom Repository Now].
- To immediately start collecting and updating the Metalogix Diagnostic Manager Repository database statistics, click [Update Statistics Now].

Configuration Details

The Collection Service Options- Configuration tab displays details about your Collection Service configuration. You can also copy the information to the Windows clipboard.

Information	
Collection Service host:	B-SP19-B-APP1
Collection Service version:	5.0.46.0
Collection Service port:	5292
Collection Service host OS:	Microsoft Windows NT 6.2.9200.0
Repository host:	b-sql19-b-db1
Repository database:	Metalogix_DMRepository5046
Repository SQL Server:	Microsoft SQL Server 2017 (RTM-GDR) (KB4293803) - 14.0.2002.14 (X64)
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About Us

We are more than just a name

We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation[™].

Our brand, our vision. Together.

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece — you — to the community, to the new Quest.

Contacting Quest

For sales or other inquiries, visit <u>www.quest.com/contact</u>.

Technical Support Resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <u>https://support.quest.com</u>

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product