

Content Matrix 9.9

Reconfiguring Distributed Migration After an Upgrade from Version 9.1 or Earlier



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Quest® Content Matrix
Updated March 2024
Version 9.9

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Important Information about Reconfiguring Distributed Migration After an Upgrade from Version 9.1 or Earlier

To provide more efficient resource utilization, the Distributed Migration model was re-architected in version 9.2 to eliminate the use of a Controller to push jobs to agents. Instead, Distributed Migration uses a Windows Service that allows any available agent to pull a migration job that has been set to **Run Remotely** directly from the Distributed Database.

If you configured Distributed Migration prior to version 9.2, you will need to reconfigure each agent in order to continue using Distributed Migration and to run any migration jobs remotely.

NOTE: You will notice after an upgrade that the **Configure Distributed Migration** and **Configure Self-Service** options no longer display in the Content Matrix Console ribbon (Self-Service Migration has been removed as of version 9.2) and the **Manage Agents** dialog is empty. To accommodate the change from a "push" to a "pull" model, Content Matrix uses a new SQL table, **Agents V2**.

If you are configuring Distributed Migration for the first time, you can find complete information, including an overview of the Distributed Migration model, system requirements, and instructions in the *Content Matrix SharePoint Edition* user documentation.

REMINDER: As of version 9.2, Distributed Migration is no longer available for Public Folder Edition.

Reconfiguring Distributed Migration

- Before reconfiguring agents, cancel or wait for all active Distributed Migration jobs (that is, jobs that have been set to **Run Remotely**) to complete.
- For each agent, follow the procedure for [Configuring Agents for Distributed Migration](#).

NOTE: It is recommended that you use the former Controller machine as the first agent to ensure that the proper settings are copied to the Distributed Database.

You can check the **Manage Agents** dialog and run a remote job to verify that Distributed Migration has been successfully reconfigured.

Configuring Agents for Distributed Migration

Configuring an Agent for Distributed Migration consists of the following high-level tasks:

- I. Install the latest version of Content Matrix then create and/or connect to the Distributed Database.
- II. Copy the Agent Service installation files to the agent machine and install from a Command Prompt.
- III. For the first agent, generate a unique security certificate for the Content Matrix Agent Service.

NOTE: Once created on the first agent, the name of the certificate is stored in the Distributed Database and then it can be copied to other agents. (The same certificate needs to be used across all agents.)

- IV. Install the Metalogix Agent Service, which
 - installs the certificate to “My User Account” storage
 - saves the certificate name to the Distributed Database
- V. Start the Metalogix Agent Service.

Permission Requirements

The account used to configure agents for Distributed Migration must:

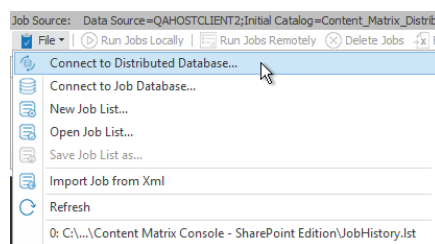
- be an **Administrator**

AND

- have permissions to **Log on as a Service** (via **Administrative Tools > Local Security Policy > User Rights Assignment**).

To install the latest version of Content Matrix then connect to the Distributed Database:

1. Log into the machine using an account that meets Permissions Requirements.
2. Download or copy the latest version of the Content Matrix installation kit to the machine.
3. Install the Content Matrix Console and the Metalogix Extension Web Service (MEWs). (See the *Content Matrix Advanced Installation Guide* for details.)
4. Open the Console and create/connect to the Distributed Database as follows:
 - a) From the Job List, choose **File > Connect to Distributed Database**.

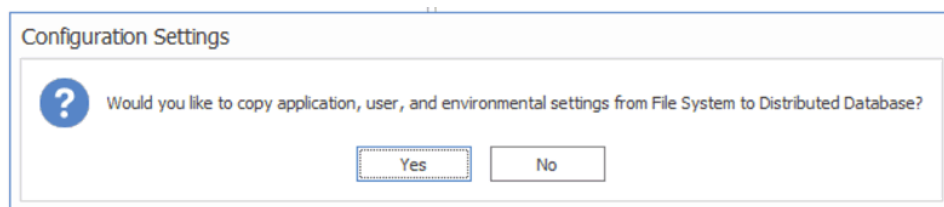


- b) Select the SQL Server and SQL Database you want to connect to.

NOTE: Remember to use the same Distributed Database for all agents in the "cluster."

Whenever a machine connects to the Distributed Database, a pop-up will display with the option of copying User Mappings and other local machine settings to the database.

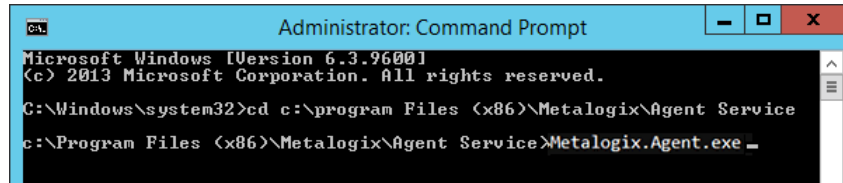
CAUTION: If you are configuring multiple agents, remember that if you click **[Yes]**, any User Mappings and settings that already exist in the Distributed Database will be overwritten.



5. Close the Content Matrix Console.

To run the Agent Service application on the agent machine:

1. Copy the **ContentMatrixAgentService_[version].zip** file from the Content Matrix download folder and extract the files (a recommended location is C:\Program Files (x86)\Metalogix\Agent Service).
2. Either:
 - navigate to the Agent Services folder and double-click Metalogix.Agent.exeOR
 - open a Command Prompt and change the directory to point to Metalogix.Agent.exe.



```
Administrator: Command Prompt
Microsoft Windows [Version 6.3.9600.1]
(c) 2013 Microsoft Corporation. All rights reserved.
C:\Windows\system32>cd c:\program Files (x86)\Metalogix\Agent Service
c:\Program Files (x86)\Metalogix\Agent Service>Metalogix.Agent.exe _
```

You will be provided with the following options:

- Generate a Security Certificate for the Metalogix Agent Service
- Install the Metalogix Agent Service
- Uninstall the Metalogix Agent Service

For each option, you will be prompted to provide the required information. If a default value is provided, you can either press <Enter> to accept the default or manually override it.

NOTE: Alternatively, [you can configure agents by entering arguments manually](#).

To generate a self-signed certificate for agents:

NOTE: Create the certificate for the first agent *only*, then copy that certificate to additional agent machines. Make sure that the folder into which you are generating the certificate already exists.

Select the option **Generate a Security Certificate for the Metalogix Agent Service**.

You will be prompted to provide:

- the certificate name
- the certificate password
- the path to the location to which the certificate will be generated

NOTES:

- When generating a certificate, there is no need to enter the file extension as it will be ignored.
- It is necessary to use double quotation marks (" ") to enclose:
 - a password that contains special characters
 - a file path that contains spaces

To install the Agent Service:

NOTE: If you have already created a self-signed certificate on the first agent, make sure it is copied to the other agent(s) *before* performing this procedure .

Select the option **Install the Metalogix Agent Service**.

You will be prompted for:

- the Administrator account (in the format domain\username).

- the Administrator account password
- the path to the location of the certificate
- the certificate password

NOTE: It is necessary to use double quotation marks (" ") to enclose:

- a password that contains special characters
- a file path that contains spaces.

To Start the Metalogix Agent Service:

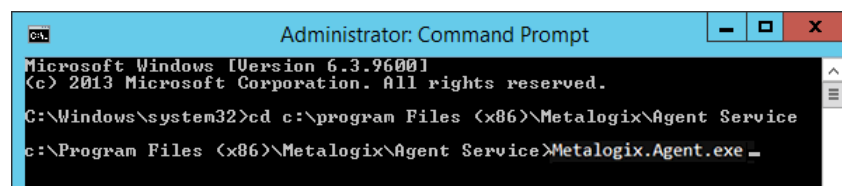
1. Navigate to **Administrative Tools > Services > Metalogix Agent Service**.
2. Right-click and choose **Start**.

Configuring Agents by Entering Arguments Manually

As an alternative to using the [Command Prompt interface](#) to configure the Agent Service, you can enter arguments manually from a Command Prompt.

To copy the Agent Service installation files to the agent machine:

1. Copy the **ContentMatrixAgentService_[version].zip** file from the Content Matrix download folder and extract the files (the recommended location is C:\Program Files (x86)\Metalogix\Agent Service).
2. Open a Command Prompt using the **Run as Administrator** option.
3. Change the directory to point to the location containing the Agent Service files.



To generate a self-signed certificate for agents manually:

NOTE: Create the certificate for the first agent *only*, then copy that certificate to additional agent machines. Make sure that the folder into which you are generating the certificate already exists.

At the command prompt, use following command to generate a certificate:

```
Metalogix.Agent.exe --generateCertificate <certificateName> --
certificatePassword <certificatePassword> --path <certificatePath>
```

EXAMPLE:

```
Metalogix.Agent.exe --generateCertificate ContentMatrixAgentCertificate --
certificatePassword certPass --path "C:\Content Matrix Certificates"
```


NOTES:

- When generating a certificate, there is no need to enter the file extension as it will be ignored.
- It is necessary to use double quotation marks (" ") to enclose:
 - a password that contains special characters
 - a file path that contains spaces (as shown in the example above).

To install the Agent Service manually:

NOTE: If you have already created a self-signed certificate on the first agent, make sure it is copied to the other agent(s) *before* performing this procedure .

At the command prompt, use following command:

```
Metalogix.Agent.exe -i --user <domain\username> --password <password> --  
certificatePath <certificatePath>\<certificateName.FileExtension> --  
certificatePassword <certificatePassword>
```

EXAMPLE:

```
Metalogix.Agent.exe -i --user metalogix\Administrator --password  
userPass# --CertificatePath "C:\Content Matrix  
Certificates\ContentMatrixAgentCertificate.pfx" --certificatePassword  
certPass
```

NOTE: It is necessary to use double quotation marks (" ") to enclose:

- a password that contains special characters
- a file path that contains spaces (as shown in the example above).

To Start the Metalogix Agent Service:

1. Navigate to **Administrative Tools > Services > Metalogix Agent Service**.
2. Right-click and choose **Start**.

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