

Foglight® 5.9.x
Migration Field Guide



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Legend



WARNING: A WARNING icon indicates a potential for property damage, personal injury, or death.



CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.



IMPORTANT NOTE, NOTE, TIP, MOBILE, or VIDEO: An information icon indicates supporting information.

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About Foglight Migration Tools

This *Migration Field Guide* provides step-by-step instructions on how to migrate your Foglight® 4 environment to version 5. Use it to learn about what software components you need to get started, generate assessment reports, evaluate your Foglight 4 environment, and use the command-line to migrate Foglight 4 Data Collection Modules (DCMs) and agent instances along with their configuration and historical data. This guide is intended for technical audiences and Foglight System Consultants to efficiently migrate to Foglight 5. This chapter discusses the reporting and migration tools. It also contains information about the software components you need to get started with the migration.

i | NOTE: Foglight Cartridge for Oracle® can only be migrated up to version 5.2.3.

The tool set is comprised of two types of tools: a migration assessment tool that allows you to generate information about your Foglight 4 environment, and command-line tools that have the capability to migrate DCMs, agent instances, and their data. To get started with the tool set, ensure that you have access to all of the required components, such as the Foglight 4 monitoring environment, Foglight 5 components, and the migration tools.

The migration process does not interfere with Foglight 5 monitoring. It simply adds more components to your Foglight 5 installation, such as agent types and their instances, along with any changes to shared lists, rules and variables that are associated with those instances, without affecting production.

- [About Syntax Conventions](#)
- [Platform Requirements](#)
- [Looking at Foglight Migration Tools](#)
- [Getting Started with Foglight Migration](#)

About Syntax Conventions

This manual employs a set of conventions that are used in the command syntax. You should review them before getting started with the manual in order to successfully migrate your Foglight® 4 monitoring environment to Foglight 5.9.x. The syntax conventions are as follows:

- Generic examples follow the UNIX® path structure that uses forward slashes '/' to separate directories.
- Platform-specific examples follow standard platform conventions. For example, UNIX-specific examples use forward slashes '/' as directory delimiters, while Windows® examples use back slashes '\'.
- `<foglight_home>` is a placeholder that represents the path to the Foglight Management Server installation.
- `<foglight_agent_manager_home>` is a placeholder that represents the path to the Foglight Agent Manager installation.
- Unless otherwise specified, the migration commands are case-sensitive.

See also

- [Platform Requirements](#) on page 7
- [Looking at Foglight Migration Tools](#) on page 7
- [Getting Started with Foglight Migration](#) on page 8

Platform Requirements

The following versions of Foglight 4 can be migrated to version 5.9.x:

- 4.1.2
- 4.1.3
- 4.2.2
- 4.2.3

i | NOTE: Foglight Cartridge for Oracle® cartridge can only be migrated up to version 5.2.3.

The migration process can convert only those Foglight® 4 agent types that exist in Foglight 5.9.x. Any Foglight 4 agents that do not have matching Foglight 5.9.x counterparts, such as the agents for monitoring for MS Exchange or MS Windows® NT IIS, whose support ended in Foglight 5.9.x, cannot be migrated to Foglight 5.9.x.

The migration tool set supports migrating data to a different database platform that is currently supported in Foglight 5.9.x. For example, from an Oracle® database to MySQL™, or the other way around. For complete information on the database platforms supported in Foglight 5.9.x, see the *System Requirements and Platform Support Guide*.

See also

- [About Syntax Conventions](#) on page 6
- [Looking at Foglight Migration Tools](#) on page 7
- [Getting Started with Foglight Migration](#) on page 8

Looking at Foglight Migration Tools

Foglight® offers the following tools that allow you to migrate to version 5.9.x:

- Migration assessment tool.
See [About the Migration Assessment Tool](#) on page 7.
- Migration tools.
See [About the Migration Tools](#) on page 8.

See also

- [About Syntax Conventions](#) on page 6
- [Platform Requirements](#) on page 7
- [Getting Started with Foglight Migration](#) on page 8

About the Migration Assessment Tool

The migration assessment tool allows you to generate and assess your Foglight® 4 environment. It examines the Foglight 4 database, extracts Foglight 4 metadata, and shows any differences about the existing and default metadata. It can create an XML file containing the metadata as well as a user-friendly HTML report that you can use to quickly analyze your Foglight 4 environment. The report contains the following information:

- A list of Foglight 4 agents, Data Collection Modules (DCMs) and hosts
- The time range of table data and an estimate of data storage usage in Foglight 4 per agent instance

- Changes made to primary ASPs per agent instance
- Additions and updates of secondary ASPs
- Changes made to registry variables per agent type
- Rule additions and updates per agent type

The tool resides in the *fgl4_report.zip* file that is delivered to you in the migration package. For information on how to use it, see [Generating Assessment Data](#) on page 10.

See also

- [Looking at Foglight Migration Tools](#) on page 7
- [About the Migration Tools](#) on page 8

About the Migration Tools

The migration tools migrate agent instances to Foglight® 5. The tools are command-based and come included with the **fglcmd** package, which can be found in the *<foglight_home>/tools/fglcmd.zip* file of your Foglight 5 installation. The package contains migration commands and other Foglight commands that allow you to use the command line for various administration tasks. For complete information about **fglcmd**, see the *Command-Line Reference Guide*.

For information on how to use the migration commands, see [Migrating to Foglight 5](#) on page 40.

See also

- [Looking at Foglight Migration Tools](#) on page 7
- [About the Migration Assessment Tool](#) on page 7

Getting Started with Foglight Migration

Before you get started with the migration, you need to install, and, if applicable, obtain access to the following software components:

- *Foglight® 4 environment*
 - *Foglight 4 server*. The Foglight 4 server that you want to migrate to Foglight 5.9.x.
 - *Monitored hosts*. Any hosts monitored by the Foglight 4 server.
- *Foglight 5 environment*
 - *Foglight 5 server*. An installation of the Foglight Management Server 5 on the machine that you intend to use for monitoring after the migration. The server installation should include the Foglight 5 equivalents of those Foglight 4 cartridges that you want to migrate. The migration process makes use of the Foglight 5 cartridges to push out agent installers to host machines when migrating agent instances.

i NOTE: If you are already using Foglight 5.9.x for monitoring, you can migrate your Foglight 4 configuration to that environment while continuing to use it without any disruption. The migration process does not interfere with Foglight 5.9.x monitoring—it just adds more components to it without affecting production.
 - *Monitored hosts*. An installation of the Foglight Agent Manager 5.9.x on each monitored host that you intend to use after the migration.
- *Migration tools*

- *Migration assessment tool.* Allows you to generate an HTML report about your Foglight 4 environment and migrate it to Foglight 5.9.x. The tool is delivered as a compressed file, *fgl4_report.zip*, with the migration package. For more information, see [Looking at Foglight Migration Tools](#) on page 7.
 - *Migration commands.* Allows you to migrate DCMs, agent instances, and their configuration and historical data. The commands are included in the *fglcmd* package, which can be found in the *<foglight_home>/tools/fglcmd.zip* file of your Foglight 5.9.x installation.
- *JDK or JRE version 5 or higher.* The Java™ environment is required on the machine on which you intend to run the migration assessment tool.

To get started with the migration:

- 1 Obtain access to the Foglight 4 environment that you want to migrate.
- 2 Install the Foglight Management Server 5.9.x on the designated machine and record your Foglight 5 user name and password.

For instructions, see the *Installation and Setup Guide*.
- 3 Install and enable the Foglight 5.9.x version of the cartridges that contain those Foglight 4 agents that you want to migrate.

For instructions, see the *Administration and Configuration Help*.
- 4 Ensure that your user account belongs to the Foglight Administrators group.

For instructions, see the *Administration and Configuration Help*.
- 5 Install a Foglight Agent Manager 5.9.x on each monitored host.

For instructions, see the *Agent Manager Guide*.
- 6 Install and configure a JDK or JRE version 5 or higher on the machine that you are using to generate assessment reports.

For instructions, see [Configuring Your Java Environment](#) on page 10.
- 7 Install and configure the migration assessment tool.

For instructions, see [Configuring the Migration Assessment Tool](#) on page 11.
- 8 Ensure that **fglcmd** is configured on the machine running the Foglight Management Server 5.9.x that you installed in [Step 2](#).

For instructions, see the *Command-Line Reference Guide*.

See also

- [About Syntax Conventions](#) on page 6
- [Platform Requirements](#) on page 7
- [Looking at Foglight Migration Tools](#) on page 7

Generating Assessment Data

In this chapter you will find hands-on information on how to generate assessment reports. Read it to find out about the agents used for monitoring in your Foglight® 4 environment, their historical data, and any changes to shared lists, rules and variables that are associated with those instances. This chapter also provides information on how to configure the migration assessment tool, use it to generate assessment reports against your Foglight 4 environment, and analyze that data before proceeding with the migration.

i | NOTE: The procedures in this chapter continue from [Getting Started with Foglight Migration](#) on page 8.

- [Getting Started with the Migration Assessment Tool](#)
- [Generating Assessment Reports](#)
- [Understanding Assessment Reports](#)

Getting Started with the Migration Assessment Tool

To get started with the migration assessment tool, you will need to install and configure a JRE or JDK version 5 or higher, and to extract and configure the migration assessment tool, as described in the following sections:

- [Configuring Your Java Environment](#) on page 10
- [Configuring the Migration Assessment Tool](#) on page 11

See also

- [About the Migration Assessment Tool](#) on page 7
- [Generating Assessment Reports](#) on page 12
- [Understanding Assessment Reports](#) on page 16

Configuring Your Java Environment

The migration assessment tool makes use of a JRE or JDK version 5 or higher. Before generating the assessment report, you need to ensure that a JRE or JDK version 5 or higher is installed and that the `JAVA_HOME` environment variable points to the appropriate directory, as described below.

i | NOTE: The following procedure continues from [Getting Started with Foglight Migration](#) on page 8.

To configure your Java™ environment:

- 1 Install a JRE or JDK version 5 or higher on the computer that you plan to use for the migration assessment tool.
To download the latest version, visit <http://www.oracle.com/>.
- 2 Set the `JAVA_HOME` variable to point to the directory containing the JRE or JDK that you installed in [Step 1](#).
You can now proceed to [Configuring the Migration Assessment Tool](#) on page 11.

See also

- [Getting Started with the Migration Assessment Tool](#) on page 10
- [Configuring the Migration Assessment Tool](#) on page 11

Configuring the Migration Assessment Tool

The migration assessment tool is delivered as a ZIP file, *fgl4_report.zip*, with the migration package. Before generating the assessment, you need to configure the migration assessment tool by extracting the contents of the ZIP file and editing a set of configuration parameters to point to the Foglight® 4 database against which you want to generate the assessment report, as described below.

i | NOTE: The following procedure continues from [Getting Started with Foglight Migration](#) on page 8.

To configure the migration assessment tool:

- 1 Extract the contents of the *fgl4_report.zip* file from your installation media to a local directory on the machine in your Foglight 4 monitoring network.

i | IMPORTANT: The assessment tool does not depend on any components in your local directory structure. You can extract it to any directory on your local computer.
- 2 Copy the `<foglight_home>/World/DBVARS` file from your Foglight 4 server to the directory into which you extracted the *fgl4_report.zip* file (see [Step 1](#)).

If you do not have access to the *DBVARS* file, complete the following steps.

- a Create a text file, *fgl4_migration.config*, and save it in the directory into which you extracted *fgl4_report.zip* (see [Step 1](#)).

- b Add the following lines to *fgl4_migration.config*:

```
db.type="oracle";  
db.host="tor013001";  
db.port=1521;  
db.name="tor01300";  
db.user="foglight";  
db.password="foglight";
```

- c In the above block of code, replace the parameter values using the information in the following table.

Table 1. *fgl4_migration.config* parameter values

Parameter	Set it to	Example
db.host	The name of the host running the Foglight 4 database	MyDBServer
db.port	The number of the port on which the database is running	3306
db.name	The name of the database	FOGLIGHT
db.user	User name for accessing the database	foglight
db.password	User password for accessing the database	foglight
db.type	The Foglight 4 database type: MySQL™ or Oracle®	MySQL

i | NOTE: You can override any of the above values using the appropriate options when you run the *fgl4_report* command. For more information, see [Options and Arguments](#) on page 14.

- d Save your changes to *fgl4_migration.config* and close the file.

You can now proceed to [Generating Assessment Reports](#) on page 12.

See also

- [Getting Started with the Migration Assessment Tool](#) on page 10
- [Configuring Your Java Environment](#) on page 10

Generating Assessment Reports

After you have extracted and configured the migration assessment tool, you can use it to generate information about your Foglight® 4 environment. The tool is a command-line application, and it includes a set of options and arguments that you can use to specify the type and range of data that you want to analyze before migrating to Foglight 5.9.x.

For information on how to run the migration assessment tool, see [Using the Migration Assessment Tool](#) on page 12. To find out about the command syntax, see [Looking at the Command-Line Syntax](#) on page 14.

See also

- [About the Migration Assessment Tool](#) on page 7
- [Getting Started with the Migration Assessment Tool](#) on page 10
- [Understanding Assessment Reports](#) on page 16

Using the Migration Assessment Tool

Use the **fgl4_report** command to generate an HTML-based report about your Foglight® 4 environment and/or an XML file containing the related metadata.

i | NOTE: The following procedure continues from [Configuring the Migration Assessment Tool](#) on page 11.

To generate an assessment report:

- 1 Open a Command Prompt window (Windows®) or a terminal window (UNIX® or Linux®) and navigate to the directory you into which you extracted the *fgl4_report.zip* file (see [Step 1](#) in [Getting Started with the Migration Assessment Tool](#) on page 10).
- 2 On the command line, issue the `fgl4_report.<sh|bat>` command.

Depending on the type and range of parameters that you used to run the `fgl4_report` command, it can generate a user-friendly HTML report that includes information about hosts, agents, and agent instances in Foglight 4, and an XML file containing Foglight 4 metadata.

- To generate the assessment report, use the `-e` option followed by an argument that specifies the name of the HTML file that is to contain the assessment report.

Figure 1. Foglight 4 Environment Report



For information on how to use assessment data, see [About the Report Structure](#) on page 17

- To generate the XML-based metadata file, use the `-o` option followed by an argument that specifies the name of the XML file.

Figure 2. Metadata contents



IMPORTANT: It is recommended to generate both output files.

For complete syntax information, see [Looking at the Command-Line Syntax](#) on page 14.

From here, you can proceed to [Understanding Assessment Reports](#) on page 16

See also

- [Generating Assessment Reports](#) on page 12
- [Looking at the Command-Line Syntax](#) on page 14

Looking at the Command-Line Syntax

The **fgl4_report** command includes a set of options and arguments that you can use to specify the type of information that you want to generate in the assessment report. For example, you can generate an assessment report about one or more agent types containing ASP-related information only, and/or an XML file that contains metadata with metric-related information for all agent types and their instances. For complete reference on the assessment report command, see [fgl4_report](#) on page 14.

See also

- [Generating Assessment Reports](#) on page 12
- [Using the Migration Assessment Tool](#) on page 12

fgl4_report

The **fgl4_report** command generates a migration assessment report.

Syntax

```
fgl4_report [-B|--basedir baseline_dcm_dir] [-V|--verbose] [-a|--asp] [-b|--basic]
[-c|--dcm] [-e|--assessment report_name] [{-X|--exclude} [dcm:type...];
[agent_instance_name...]; [host:host_name...]] [-g|--registry] [-h|--help]
[-m|--metric] [-o|--output dump_name] [-p|--report] [-r|--rule] [-s|--schema]
[-t|--host] [-v|--view] [-x|--xslt stylesheet] [dcm:agent_type...]
[host:host_name...] [agent_instance_name...] [{-d|--dbvars dbvars_path}|
{-T|--dbtype db_type} {-H|--dbhost db_host} {-P|--dbport} db_port
<-N|--dbname> db_name <-U|--dbuser> db_user <-W|--dbpassword> db_pwd]
```

Table 2. Options and Arguments

Options	Argument	Description
-a --asp	None	Collects ASP information.
-b --basic	None	Collects basic agent-related information.
-B --basedir	baseline_dcm_dir	Specifies the baseline DCM directory.
-c --dcm	agent_type	Specifies the type of the agent.
-d --dbvars	dbvars_path	Specifies the path to the <i>DBVARS</i> file to enable an automatic configuration of the database. NOTE: This argument overrides the database settings in the <i>fgl4_migration.config</i> file. For more information about <i>DBVARS</i> and <i>fgl4_migration.config</i> , see Configuring the Migration Assessment Tool on page 11.
-e --assessment	report_name	Generates an assessment report.

Table 2. Options and Arguments

Options	Argument	Description
-g --registry	None	Collects registry information.
-h --help	None	Displays a list of options and provides a brief description for each argument.
-H --dbhost	<i>db_host</i>	Specifies the name of the database host. NOTE: This argument overrides the database settings in the <i>fgl4_migration.config</i> file. For more information about these files, see Configuring the Migration Assessment Tool on page 11.
-m --metric	None	Collects information about metric space usage.
-N --dbname	<i>db_name</i>	Specifies the name of the database. NOTE: This argument overrides the database settings in the <i>fgl4_migration.config</i> file. For more information about these files, see Configuring the Migration Assessment Tool on page 11.
-o --output	<i>output_file</i>	Generates an output file.
-O --orastats	None	Analyses Oracle® tables.
-p --report	None	Collects report-related information.
-P --dbport	<i>db_port</i>	Specifies the database port number. NOTE: This argument overrides the database settings in the <i>fgl4_migration.config</i> file. For more information about these files, see Configuring the Migration Assessment Tool on page 11.
-r --rule	None	Collects rule-related information.
-s --schema	None	Collects schema-related information.
-t --host	None	Collects information about each Foglight 4 host.
-T --dbtype	<i>db_type</i>	Specifies the database type. Possible values are mysql and oracle . NOTE: This argument overrides the database settings in the <i>fgl4_migration.config</i> file. For more information about these files, see Configuring the Migration Assessment Tool on page 11.
-U --dbuser	<i>db_user</i>	Specifies the name of the database user. NOTE: This argument overrides the database settings in the <i>fgl4_migration.config</i> file. For more information about these files, see Configuring the Migration Assessment Tool on page 11.
-v --view	None	Collects view-related information.
-V --verbose	None	Displays progress information in the Command Prompt window.
-W --dbpassword	<i>db_pwd</i>	Specifies the database password in clear text or its encrypted form. NOTE: This argument overrides the database settings in the <i>fgl4_migration.config</i> file. For more information about these files, see Configuring the Migration Assessment Tool on page 11.
-x --xslt	stylesheet	Specifies an XSL stylesheet file for the assessment report.

Table 2. Options and Arguments

Options	Argument	Description
-X --exclude	dcm: <i>type1</i> ; dcm: <i>type2</i> ; ...; host: <i>host1</i> ; host: <i>host2</i> ; ...; agent_instance_name1 ; agent_instance_name2 ...	Excludes DCMs, hosts, or agents from the report, as specified. Multiple exclusion items are separated by a semicolon ';'. This can help you eliminate some run-time errors that are generated when the migration assessment tool encounters an unexpected Foglight 4 setting. For a usage example, see How Do I Avoid Errors While Generating the Assessment Report? on page 68
None	dcm: <i>type</i>	Specifies the names of one or more agent types that are to be migrated. For example: <code>dcm:NT_System</code>
None	agent_instance_name	Specifies the names of one or more agent instances and the names of their monitored hosts that are to be migrated. For example: <code>NT_System@dbhost1</code>
None	host: <i>host_name</i>	Specifies the names of one or more hosts that are to be migrated. For example: <code>host:dbhost1</code>

Example

```
C:\Quest_Software\migration\uncompressed>fgl4_report
-o my_dump.xml -e my_report.html WebLogic6@webhost1 NT_System@dbhost1 dcm:Oracle
dcm:J2EEMemory host:mailserverhost host:myhost
```

See also

- [Looking at the Command-Line Syntax](#) on page 14

Understanding Assessment Reports

Assessment reports give you insight into your Foglight® 4 environment and its components. This section should help you better understand assessment reports. It includes reference information about the report structure and its components. It contains the following sections:

- [About the Report Structure](#) on page 17
- [Looking at the Migration Data](#) on page 19

i | NOTE: The following procedure continues from [Using the Migration Assessment Tool](#) on page 12.

To view an assessment report:

- In your file system, locate and open the HTML file that you generated in [To generate an assessment report:](#) on page 12.

The assessment report appears in your web browser.

Figure 3. Foglight 4 Environment Report



Foglight 4 Environment Report

Table of Content

- [1 Foglight Management Server](#)
 - [1.1 Server Summary](#)
- [2 Host View](#)
 - [2.1 Host Summary](#)
 - [2.2 Host Agent Details](#)
 - [2.3 Host Details](#)
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- [4 Agent Instance Details](#)
 - [4.1 Agent Instance Change Details](#)
 - [4.2 Agent Instance Data Storage Details](#)
- [5 Registry](#)
- [6 Reports](#)
 - [6.1 Standard Reports Summary](#)
 - [6.2 User Reports Summary](#)

1 Foglight Management Server

1.1 Server Summary

Server Name	alvscjw09
Server Version	v42.000.050413b
Server OS	Microsoft Windows Server 2003, 5.2, Service Pack 2
Database Type	MySQL
Parent Server	"None"

See also

- [Getting Started with the Migration Assessment Tool](#) on page 10
- [Generating Assessment Reports](#) on page 12

About the Report Structure

Each assessment report is comprised of two parts: a contents table and report data in tabular form. The entries in the contents table link to the numbered headings of the report.

Figure 4. Foglight 4 Environment Report structure

Foglight 4 Environment Report

Table of Content

- [1 Foglight Management Server](#)
 - [1.1 Server Summary](#)
- [2 Host View](#)
 - [2.1 Host Summary](#)
 - [2.2 Host Agent Details](#)
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- [5 Registry](#)
- [6 Reports](#)
 - [6.1 Standard Reports Summary](#)
 - [6.2 User Reports Summary](#)

1 Foglight Management Server

1.1 Server Summary

Server Name	alvscjw09
Server Version	v42.000.050413b
Server OS	Microsoft Windows Server 2003, 5.2, Service Pack 2
Database Type	MySQL

This section uses the structure that appears in the report's contents table to describe the report data. The numbered list below illustrates the layout of the report's contents table and provides links to the sections that describe the corresponding report components.

Table 3. Foglight 4 Environment Report contents

- 1 [Foglight Management Server](#) (see page 19)
 - 1.1 [Server Summary](#) (see page 19)
- 2 [Host View](#) (see page 20)
 - 2.1 [Host Summary](#) (see page 21)
 - 2.2 [Host Agent Details](#) (see page 21)
 - 2.3 [Host Details](#) (see page 23)
- 3 [Agent Summary](#) (see page 24)
 - 3.1 [Standard Agent Summary by Type](#) (see page 24)
 - 3.2 [Cloned Agent Summary by Type](#) (see page 25)
 - 3.3 [Custom Agent Summary by Type](#) (see page 26)
 - 3.4 [Standard Agent Instance Summary List](#) (see page 27)
 - 3.5 [Cloned Agent Instance Summary List](#) (see page 28)
 - 3.6 [Custom Agent Instance Summary List](#) (see page 29)
- 4 [Agent Instance Details](#) (see page 30)
 - 4.1 [Agent Instance Change Details](#) (see page 30)
 - 4.2 [Agent Instance Data Storage Details](#) (see page 35)
- 5 [Registry](#) (see page 36)
- 6 [Reports](#) (see page 37)

Table 3. Foglight 4 Environment Report contents

- 6.1 [Standard Reports Summary](#) (see page 38)
- 6.2 [User Reports Summary](#) (see page 39)

For information on how to view an assessment report, see [To view an assessment report](#): on page 16

See also

- [Getting Started with the Migration Assessment Tool](#) on page 10
- [Looking at the Migration Data](#) on page 19

Looking at the Migration Data

The data section of the report is comprised of the following sections:

- [Foglight Management Server](#) (see page 19)
- [Host View](#) (see page 20)
- [Agent Summary](#) (see page 24)
- [Agent Instance Details](#) (see page 30)
- [Registry](#) (see page 36)
- [Reports](#) (see page 37)

See also

- [Getting Started with the Migration Assessment Tool](#) on page 10
- [About the Report Structure](#) on page 17

Foglight Management Server

The Foglight Management Server section in the assessment report contains the following sub-section:

- [Server Summary](#) (see page 19)

See also

- [About the Report Structure](#) on page 17
- [Host View](#) on page 20
- [Agent Summary](#) on page 24
- [Agent Instance Details](#) on page 30
- [Registry](#) on page 36
- [Reports](#) on page 37

Server Summary

The Server Summary section in the assessment report provides information about the configuration of the Foglight® Management Server version 4 and machine on which the server is running.

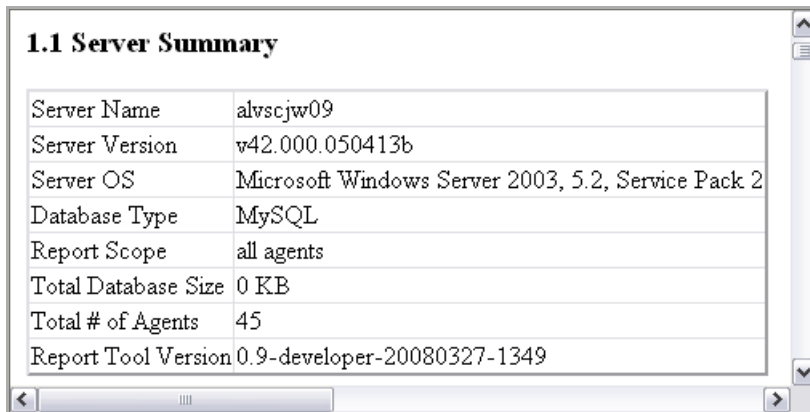
i | **NOTE:** The following procedure continues from [To view an assessment report](#): on page 16.

To view the Server Summary section:

- In the contents table of the assessment report, click **1.1 Server Summary**.

The **1.1 Server Summary** section appears.

Figure 5. Server Summary section



The screenshot shows a window titled "1.1 Server Summary" containing a table with the following data:

Server Name	alvscjw09
Server Version	v42.000.050413b
Server OS	Microsoft Windows Server 2003, 5.2, Service Pack 2
Database Type	MySQL
Report Scope	all agents
Total Database Size	0 KB
Total # of Agents	45
Report Tool Version	0.9-developer-20080327-1349

Table 4. Server Summary section data

Name	Description	Example
Server Name	The name of the machine on which the Foglight Management Server version 4 is running.	alvscjw09
Server Version	Full version of the Foglight Management Server version 4.	v42.000.050413b
Server OS	The name and version of the operating system of the computer the Foglight Management Server version 4 is running on.	Microsoft Windows Server 2003, 5.2, Service Pack 1
Database Type	The database type: MySQL™ (embedded or external) or Oracle® (external).	MySQL
Report Scope	The scope of the migration assessment report, as specified at command run-time. For syntax information, see fgl4_report on page 14.	all agents
Total Database Size	The size of the Foglight database in kilobytes (KB).	2,376,058 KB
Total # of Agents	The number of Foglight agents that are running on the Foglight Management Server version 4.	43
Report Tool Version	The version of the assessment report tool.	0.9-developer-20080327-1349

Host View

The Host View section in the assessment report contains the following sub-sections:

- [Host Summary](#) (see page 21)
- [Host Agent Details](#) (see page 21)
- [Host Details](#) (see page 23)

See also

- [About the Report Structure](#) on page 17
- [Foglight Management Server](#) on page 19
- [Agent Summary](#) on page 24
- [Agent Instance Details](#) on page 30

- [Registry](#) on page 36
- [Reports](#) on page 37

Host Summary

The Host Summary section in the assessment report provides information about the host machines in the Foglight® 4 monitoring environment and their configuration.

NOTE: The following procedure continues from [To view an assessment report:](#) on page 16.

To view the Host Summary section:

- In the contents table of the assessment report, click **2.1 Host Summary**.

Figure 6. Host Summary section

Host Name	Host OS	Host Type	Foglight Version	# of CPUs	# of Agents
alvsciw02	Microsoft Windows Server 2003, 5.2, Service Pack 2	Foglight Client	v42.000.050413b	1	5
alvsciw03	Microsoft Windows Server 2003, 5.2, Service Pack 2	Foglight Client	v42.000.050413b	1	4
alvsciw04	Microsoft Windows Server 2003, 5.2, Service Pack 2	Foglight Client	v42.000.050413b	1	4
alvscjw01	Microsoft Windows 2000, Service Pack 4	Foglight Client	v42.000.050413b	1	4

Table 5. Host Summary section data

Name	Description	Example
Host Name	The name of the monitored computer	alvsciw02
Host OS	The name and version of the operating system of the monitored computer	Microsoft Windows Server 2003, 5.2, Service Pack 1
Host Type	The type of the Foglight 4 component that is running on the monitored host: Foglight Server or Foglight Agent Manager .	Foglight Server
Foglight Version	Full version of the Foglight 4 component	v42.000.050413b
# of CPUs	The number of CPUs that exist on the computer on which the Foglight Management Server is running	1
# of Agents	The number of Foglight 4 agents that are running on the monitored host	4

See also

- [Host View](#) on page 20
- [Host Agent Details](#) on page 21
- [Host Details](#) on page 23

Host Agent Details

The Host Agent Details section in the assessment report provides information about the agents running on host machines in the Foglight 4 monitoring environment and their configuration.

NOTE: The following procedure continues from [To view an assessment report:](#) on page 16.

To view the Host Agent Details section:

- In the contents table of the assessment report, click **2.2 Host Agent Details**.

Figure 7. Host Agent Details section

Host Name	Agent Name	DCM	Version	Space	Primary ASP Modifications	Secondary ASP Modifications	Registry Variable Modifications
alvsciw02	TP_Patient@alvsciw02	TransactionPlayer		69,798 KB	Primary ASP diff	Secondary ASP diff	Registry diff
	TP_Physician@alvsciw02	TransactionPlayer		130,657 KB	Primary ASP diff	Secondary ASP diff	Registry diff
	TP_Portal@alvsciw02	TransactionPlayer		0 KB	Primary ASP diff	Secondary ASP diff	Registry diff
	Win_System@alvsciw02	NT_System		0 KB	Primary ASP diff	Secondary ASP diff	Registry diff
alvsciw03	TP_Patient@alvsciw03	TransactionPlayer		70,667 KB	Primary ASP diff	Secondary ASP diff	Registry diff
	TP_Physician@alvsciw03	TransactionPlayer		133,050 KB	Primary ASP diff	Secondary ASP diff	Registry diff
	TP_Portal@alvsciw03	TransactionPlayer		0 KB	Primary ASP diff	Secondary ASP diff	Registry diff
	Win_System@alvsciw03	NT_System		0 KB	Primary ASP diff	Secondary ASP diff	Registry diff
alvsciw04	TP_Patient@alvsciw04	TransactionPlayer		71,040 KB	Primary ASP diff	Secondary ASP diff	Registry diff

Table 6. Host Agent Details section data

Name	Description	Example
Host Name	The name of the host machine that the Foglight 4 agent is monitoring.	alvscjw02
Agent Name	The name of the Foglight 4 agent.	J2EEMemory@alvscjw02
DCM	The name of the agent's DCM.	J2EEMemory
Version	The version of the Foglight 4 agent.	4.3.0.20060309-0912
Space	The amount of data in the agent's tables.	59,559 KB
Primary ASP Modifications	A link to the section in the assessment report that summarizes any changes done to the agent's primary Agent Startup Parameters (ASPs). For more information, see For Primary ASPs on page 31.	Primary ASP diff
Secondary ASP Modifications	A link to the section in the assessment report that summarizes any changes done to the agent's secondary ASPs. For more information, see For Secondary ASPs on page 31.	Secondary ASP diff
Registry Variable Modifications	A link to the section in the assessment report that summarizes any changes done to the agent's registry variables. For more information, see Registry on page 36.	Registry diff

- The following table describes the data that appears in the Host Agent Details section.

See also

- [Host View](#) on page 20
- [Host Summary](#) on page 21
- [Host Details](#) on page 23

Host Details

The Host Details section in the assessment report provides information about the each Foglight 4 host and their configuration.

NOTE: The following procedure continues from [To view an assessment report:](#) on page 16.

To view the Host Details section:

- In the contents table of the assessment report, click **2.3 Host Details**.

The **2.3 Host Details** section appears.

Figure 8. Host Details section

HostName:	alvsciw02
IP Address:	10.1.69.221
OS:	Microsoft Windows Server 2003, 5.2, Service Pack 2
architecture	Windows_NT
clock_speed	3599
disk_space[c:\]	10,470,748,160 bytes (9.8 GB)
info_time	Thu Apr 03 03:00:14 2008
network[[MS TCP Loopback interface]]	127.0.0.1
network[[VMware Accelerated AMD PCNet Adapter]]	10.1.69.221
number_cpus	1
physical_memory	536,293,376 bytes (511.0 MB)
swap_space	1,318,567,936 bytes (1.2 GB)

HostName:	alvsciw03
IP Address:	10.1.69.231
OS:	Microsoft Windows Server 2003, 5.2, Service Pack 2
architecture	Windows_NT

Table 7. Host Details section data

Name	Description	Example
Host Name	The name of the Foglight 4 host computer	alvscjw02
IP Address	The IP address of the Foglight 4 host computer	10.1.69.231
OS	The operating system of the Foglight 4 host computer	Microsoft Windows Server 2003, 5.2, Service Pack 2
architecture	The architecture of the Foglight 4 host computer	Windows_NT
clock_speed	The processor clock speed in MHz	3599
disk_space[c:\]	The disk space in bytes/GB	10,470,748,160 bytes (9.8 GB)
info_time	The date and time at which host detail information was generated	Thu Apr 03 03:00:14 2008
network[[MS TCP Loopback interface]]	The IP address of the MS ICP Loopback interface	127.0.0.1
network[[VMware Accelerated AMD PCNet Adapter]]	The IP address of the VMware® Accelerated AMD PCNet Adapter	10.1.69.231
number_cpus	The number of processors the Foglight 4 host computer is running	1

Table 7. Host Details section data

Name	Description	Example
physical_memory	The disk space in bytes/MB	536,293,376 bytes (511.0 MB)
swap_space	The amount of memory swap space on disk	1,318,567,936 bytes (1.2 GB)

See also

- [Host View](#) on page 20
- [Host Summary](#) on page 21
- [Host Agent Details](#) on page 21

Agent Summary

The Agent Summary section in the assessment report contains the following sub-sections:

- [Standard Agent Summary by Type](#) (see page 24)
- [Cloned Agent Summary by Type](#) (see page 25)
- [Custom Agent Summary by Type](#) (see page 26)
- [Standard Agent Instance Summary List](#) (see page 27)
- [Cloned Agent Instance Summary List](#) (see page 28)
- [Custom Agent Instance Summary List](#) (see page 29)

See also

- [About the Report Structure](#) on page 17
- [Foglight Management Server](#) on page 19
- [Host View](#) on page 20
- [Agent Instance Details](#) on page 30
- [Registry](#) on page 36
- [Reports](#) on page 37

Standard Agent Summary by Type

The Standard Agent Summary by Type section in the assessment report provides a summary of standard agents that are used for monitoring in the Foglight® 4 environment and indicates if those instances include any changes to their primary or secondary ASPs.

i | **NOTE:** The following procedure continues from [To view an assessment report](#): on page 16.

To view the Standard Agent Summary by Type section:

- In the contents table of the assessment report, click **3.1 Standard Agent Summary by Type**.

Figure 9. Standard Agent Summary by Type section

3.1 Standard Agent Summary by Type

DCM	Version	# of Agents Instances	# of Agents with Primary ASP Changes	Secondary ASP Changes?
ApacheSvr		1	1	No
AppMonitor		2	2	Yes
FGLServerMonitor		1	1	No
J2EEMemory	4.3.0.20060309-0912	3	3	Yes
NetMonitor		1	1	Yes
NT_IIS		1	1	No
NT_System		10	10	No
Oracle	3.7.1	1	1	Yes
OracleMonitor	3.7.1	1	1	Yes
RequestTime	4.3.0.20060309-0912	3	3	Yes
TransactionPlayer		9	9	Yes
UEM		1	0	No
WebLogic6	4.3.0.20060309-0912	3	3	Yes
WebLogicPortal	4.3.0.20060309-0912	2	2	Yes
WLDomain	4.3.0.20060309-0912	2	2	No
Total		41	40	

Table 8. Standard Agent Summary by Type section data

Name	Description	Example
DCM	The name of the Foglight 4 agent's DCM	RequestTime
Version	Full version of the Foglight 4 agent	4.3.0.20060309-0912
# of Agent Instances	Total number of the agent instances running in your monitoring environment	3
# of Agents with Primary ASP Changes	Total number of the agent instances with primary ASP changes	3
Secondary ASP Changes	Indicates whether any changes have been made to the instances of the agent's secondary ASPs: Yes or No	Yes

See also

- [Agent Summary](#) on page 24
- [Cloned Agent Summary by Type](#) on page 25
- [Custom Agent Summary by Type](#) on page 26
- [Standard Agent Instance Summary List](#) on page 27
- [Cloned Agent Instance Summary List](#) on page 28
- [Custom Agent Instance Summary List](#) on page 29

Cloned Agent Summary by Type

The Cloned Agent Summary by Type section in the assessment report provides a summary of cloned agents that are used for monitoring in the Foglight 4 environment.

NOTE: The following procedure continues from [To view an assessment report](#): on page 16.

To view the Cloned Agent Summary by Type section:

- In the contents table of the assessment report, click **3.2 Cloned Agent Summary by Type**.
The **3.2 Cloned Agent Summary by Type** section appears.

Figure 10. Cloned Agent Summary by Type section

Cloned Agent DCM Name	Parent DCM	# of Agents Instances
NT_System2	NT_System	1

Table 9. Cloned Agent Summary by Type section data

Name	Description	Example
Cloned Agent DCM Name	The name of the cloned agent's DCM	NT_System2
Parent DCM	The name of the DCM used to clone the agent	NT_System
# of Agent Instances	Total number of the cloned agent instances	1

See also

- [Agent Summary](#) on page 24
- [Standard Agent Summary by Type](#) on page 24
- [Custom Agent Summary by Type](#) on page 26
- [Standard Agent Instance Summary List](#) on page 27
- [Cloned Agent Instance Summary List](#) on page 28
- [Custom Agent Instance Summary List](#) on page 29

Custom Agent Summary by Type

The Custom Agent Summary by Type section in the assessment report provides a summary of custom agents that are used for monitoring in the Foglight 4 environment.

NOTE: The following procedure continues from [To view an assessment report:](#) on page 16.

To view the Custom Agent Summary by Type section:

- In the contents table of the assessment report, click **3.3 Custom Agent Summary by Type**.

Figure 11. Custom Agent Summary by Type section

DCM Name	# of Agents Instances
MyCustomAgent	1

Table 10. Custom Agent Summary by Type section data

Name	Description	Example
DCM Name	The name of the custom agent's DCM	MyCustomAgent
# of Agent Instances	Total number of the custom agent's instances	1

See also

- [Agent Summary](#) on page 24
- [Standard Agent Summary by Type](#) on page 24
- [Cloned Agent Summary by Type](#) on page 25
- [Standard Agent Instance Summary List](#) on page 27
- [Cloned Agent Instance Summary List](#) on page 28
- [Custom Agent Instance Summary List](#) on page 29

Standard Agent Instance Summary List

The Standard Agent Instance Summary List section in the assessment report provides a summary of standard agent instances that are used for monitoring in the Foglight 4 environment.

NOTE: The following procedure continues from [To view an assessment report](#): on page 16.

To view the Standard Agent Instance Summary List section:

- In the contents table of the assessment report, click **3.4 Standard Agent Instance Summary List**.
The **3.4 Standard Agent Instance Summary List** section appears.

Figure 12. Standard Agent Instance Summary List section data

Agent Name	Host Name	DCM	Version	Space	Primary ASP Modifications	Secondary ASP Modifications	Rule Modifications	Registry Variable Modifications
ApacheSvr@alvscjw01	alvscjw01	ApacheSvr		0 KB	Primary ASP diff	Secondary ASP diff	Rule diff	Registry diff
AppMonitor_prs@alvscjw09	alvscjw09	AppMonitor		0 KB	Primary ASP diff	Secondary ASP diff	Rule diff	Registry diff
NexusMonitor@alvscjw06	alvscjw06	AppMonitor		7,031 KB	Primary ASP diff	Secondary ASP diff	Rule diff	Registry diff
FGLServerMonitor@alvscjw09	alvscjw09	FGLServerMonitor		0 KB	Primary ASP diff	Secondary ASP diff	Rule diff	Registry diff
J2EEMemory@alvscjw02	alvscjw02	J2EEMemory	4.3.0.20060309-0912	59,559 KB	Primary ASP diff	Secondary ASP diff	Rule diff	Registry diff
J2EEMemory@alvscjw03	alvscjw03	J2EEMemory	4.3.0.20060309-0912	291,365 KB	Primary ASP diff	Secondary ASP diff	Rule diff	Registry diff
J2EEMemory@alvscjw04	alvscjw04	J2EEMemory	4.3.0.20060309-104,031	104,031 KB	Primary ASP diff	Secondary ASP diff	Rule diff	Registry diff

Table 11. Standard Agent Instance Summary List section data

Name	Description	Example
Agent Name	The name of the Foglight 4 agent instance.	OracleMonitor@alvscjw05
Host Name	The name of the host computer the agent instance is monitoring.	alvscjw05
DCM	The name of the agent instance's DCM module.	OracleMonitor
Version	The version of the agent instance.	3.7.1
Space	The amount of data stored in the database tables of the agent instance.	55,551 KB
Primary ASP Modifications	A link to the section in the assessment report that summarizes any changes done to the agent instance's primary ASPs. For more information, see For Primary ASPs on page 31.	Primary ASP diff
Secondary ASP Modifications	A link to the section in the assessment report that summarizes any changes done to the agent instance's secondary ASPs. For more information, see For Secondary ASPs on page 31.	Secondary ASP diff

Table 11. Standard Agent Instance Summary List section data

Name	Description	Example
Rule Modifications	A link to the section in the assessment report that summarizes any changes done to the agent instance's rules. For more information, see For Rules on page 34.	Rule diff
Registry Variable Modifications	A link to the section in the assessment report that summarizes any changes done to the agent instance's registry variables. For more information, see For Registry on page 33.	Registry diff

See also

- [Agent Summary](#) on page 24
- [Standard Agent Summary by Type](#) on page 24
- [Cloned Agent Summary by Type](#) on page 25
- [Custom Agent Summary by Type](#) on page 26
- [Cloned Agent Instance Summary List](#) on page 28
- [Custom Agent Instance Summary List](#) on page 29

Cloned Agent Instance Summary List

The Cloned Agent Instance Summary List section in the assessment report provides a summary of cloned agent instances that are used for monitoring in the Foglight 4 environment.

NOTE: The following procedure continues from [To view an assessment report](#): on page 16.

To view the Cloned Agent Instance Summary List section:

- In the contents table of the assessment report, click **3.5 Cloned Agent Instance Summary List**.

Figure 13. Cloned Agent Instance Summary List section

Agent Name	Host Name	DCM	DCM Parent Type	Version	Space	Primary ASP Modifications	Secondary ASP Modifications	Rule Modifications	Registry Variable Modifications
NT_System2@alvscjw04	alvscjw04	NT_System2	NT_System		0 KB	Primary ASP diff	Secondary ASP diff	Rule diff	Registry diff

Table 12. Cloned Agent Instance Summary List section data

Name	Description	Example
Agent Name	The name of the Foglight 4 cloned agent instance.	OracleMonitor2@alvscjw2
Host Name	The name of the host computer the cloned agent instance is monitoring.	alvscjw02
DCM	The name of the cloned agent instance's DCM module.	OracleMonitor2
DCM Parent Type	The name of the DCM used to clone the agent.	OracleMonitor
Version	The version of the cloned agent type.	3.7.1
Space	The amount of data stored in the database tables of the cloned agent instance.	36,285 KB

Table 12. Cloned Agent Instance Summary List section data

Name	Description	Example
Primary ASP Modifications	A link to the section in the assessment report that summarizes any changes done to the cloned agent instance's primary ASPs. For more information, see For Primary ASPs on page 31.	Primary ASP diff
Secondary ASP Modifications	A link to the section in the assessment report that summarizes any changes done to the cloned agent instance's secondary ASPs. For more information, see For Secondary ASPs on page 31.	Secondary ASP diff
Rule Modifications	A link to the section in the assessment report that summarizes any changes done to the cloned agent instance's rules. For more information, see For Rules on page 34.	Rule diff
Registry Modifications	A link to the section in the assessment report that summarizes any changes done to the cloned agent instance's registry variables. For more information, see For Registry on page 33.	Registry diff

See also

- [Agent Summary](#) on page 24
- [Standard Agent Summary by Type](#) on page 24
- [Cloned Agent Summary by Type](#) on page 25
- [Custom Agent Summary by Type](#) on page 26
- [Standard Agent Instance Summary List](#) on page 27
- [Custom Agent Instance Summary List](#) on page 29

Custom Agent Instance Summary List

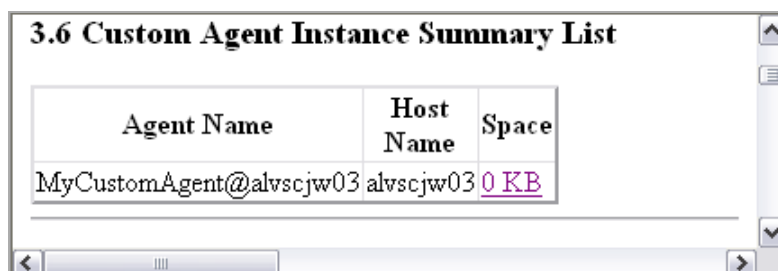
The Custom Agent Instance Summary List section in the assessment report provides a summary of custom agent instances that are used for monitoring in the Foglight 4 environment.

i | NOTE: The following procedure continues from [To view an assessment report:](#) on page 16.

To view the Custom Agent Instance Summary List section:

- In the contents table of the assessment report, click **3.6 Custom Agent Instance Summary List**.
The **3.6 Custom Agent Instance Summary List** section appears.

Figure 14. Custom Agent Instance Summary List section



Agent Name	Host Name	Space
MyCustomAgent@alvscjw03	alvscjw03	0 KB

Table 13. Custom Agent Instance Summary List section data

Name	Description	Example
Agent Name	The name of the Foglight 4 custom agent instance	MyCustomAgent@alvscjw03
Host Name	The name of the host computer the custom agent instance is monitoring	alvscjw03
Space	The amount of data stored in the database tables of the custom agent instance.	13,265 KB

See also

- [Agent Summary](#) on page 24
- [Standard Agent Summary by Type](#) on page 24
- [Cloned Agent Summary by Type](#) on page 25
- [Custom Agent Summary by Type](#) on page 26
- [Standard Agent Instance Summary List](#) on page 27
- [Cloned Agent Instance Summary List](#) on page 28

Agent Instance Details

The Agent Instance Details section in the assessment report contains the following sub-sections:

- [Agent Instance Change Details](#) (see page 30)
- [Agent Instance Data Storage Details](#) (see page 35)

See also

- [About the Report Structure](#) on page 17
- [Foglight Management Server](#) on page 19
- [Host View](#) on page 20
- [Agent Summary](#) on page 24
- [Registry](#) on page 36
- [Reports](#) on page 37

Agent Instance Change Details

The Agent Instance Change Details section in the assessment report provides details about any changes that have been made to the primary and secondary ASPs, registry variables, and rules of each agent instance. It includes the following sub-sections:

- [For Primary ASPs](#) (see page 31)
- [For Secondary ASPs](#) (see page 31)
- [For Registry](#) (see page 33)
- [For Rules](#) (see page 34)

See also

- [Agent Instance Details](#) on page 30
- [Agent Instance Data Storage Details](#) on page 35

For Primary ASPs

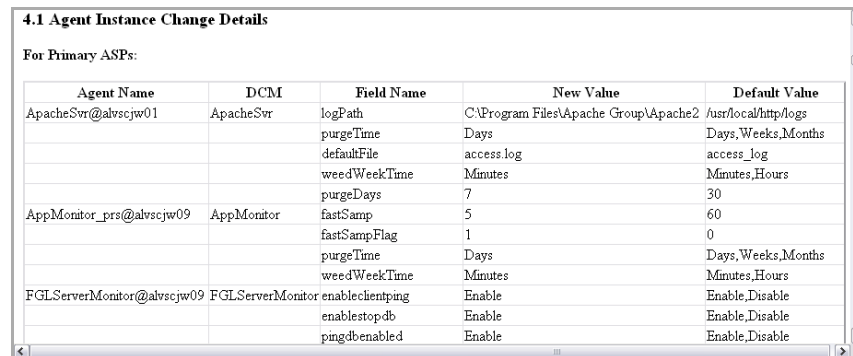
The For Primary ASPs section in the assessment report provides details about any changes that have been made to the primary ASPs of each agent instance.

NOTE: The following procedure continues from [To view an assessment report:](#) on page 16.

To view the For Primary ASPs section:

- In the contents table of the assessment report, click **4.1 Agent Instance Change Details**.

Figure 15. For Primary ASPs section



Agent Name	DCM	Field Name	New Value	Default Value
ApacheSvr@alvscjw01	ApacheSvr	logPath	C:\Program Files\Apache Group\Apache2	/usr/local/http/logs
		purgeTime	Days	Days,Weeks,Months
		defaultFile	access.log	access_log
		weedWeekTime	Minutes	Minutes,Hours
		purgeDays	7	30
AppMonitor_prs@alvscjw09	AppMonitor	fastSamp	5	60
		fastSampFlag	1	0
		purgeTime	Days	Days,Weeks,Months
		weedWeekTime	Minutes	Minutes,Hours
		enableclientping	Enable	Enable,Disable
FGLServerMonitor@alvscjw09	FGLServerMonitor	enablestopdb	Enable	Enable,Disable
		pingdbenabled	Enable	Enable,Disable

Table 14. For Primary ASPs section data

Name	Description	Example
Agent Name	The name of the Foglight® 4 agent instance.	ApacheSvr@alvscjw01
DCM	The name of the agent instance's DCM module.	ApacheSvr
Field Name	The name of the database field containing the primary ASP that has been modified after the installation.	defaultFile
New Value	The modified ASP value.	access.log
Default Value	The default ASP value	access_log

See also

- [Agent Instance Change Details](#) on page 30
- [For Secondary ASPs](#) on page 31
- [For Registry](#) on page 33
- [For Rules](#) on page 34

For Secondary ASPs

The For Secondary ASPs section in the assessment report provides details about any changes that have been made to the secondary ASPs of each agent instance.

NOTE: The following procedure continues from [To view an assessment report:](#) on page 16.

To view the For Secondary ASPs section:

- In the contents table of the assessment report, click **4.1 Agent Instance Change Details**.
The **For Primary ASPs** section appears under the **4.1 Agent Instance Change Details** heading.

Figure 16. For Primary ASPs section

4.1 Agent Instance Change Details

For Primary ASPs:

Agent Name	DCM	Field Name	New Value	Default Value
ApacheSvr@alvscjw01	ApacheSvr	logPath	C:\Program Files\Apache Group\Apache2	/usr/local/http/logs
		purgeTime	Days	Days,Weeks,Months
		defaultFile	access.log	access_log
		weedWeekTime	Minutes	Minutes,Hours
		purgeDays	7	30
AppMonitor_prs@alvscjw09	AppMonitor	fastSamp	5	60
		fastSampFlag	1	0
		purgeTime	Days	Days,Weeks,Months
		weedWeekTime	Minutes	Minutes,Hours
		enableclientping	Enable	Enable,Disable
FGLServerMonitor@alvscjw09	FGLServerMonitor	enablestopdb	Enable	Enable,Disable
		pingdbenabled	Enable	Enable,Disable

2 Scroll down to the **For Secondary ASPs** section.

Figure 17. For Secondary ASPs section

For Secondary ASPs:

DCM: [AppMonitor](#)

Asp Name	Changes
AppMonitor_PurgeDays_List_Nexus	*Added*
AppMonitor_PurgeDays_List_Necus	*Added*
AppMonitor_PurgeDays_List_prs	*Added*
AppListFile_Nexus	*Added*
AppListFile_prs	*Added*

Field Name	New Value	Default Value
monitor=>	1	
appName=>	All Servers	
matchMode=>	0	*Added*
numInstances=>	1	
procName=>	myapp.exe	

DCM: [J2EEMemory](#)

Asp Name	Changes
----------	---------

Table 15. For Secondary ASPs section data

Name	Description	Example
ASP Name	The name of the agent instance's secondary ASP that was added or modified after the installation.	Request_Details
Added	Indicates that the secondary ASP was added after the installation.	*Added*
Field Name	The name of the secondary ASP's component that was modified.	<row>
Change s	The modified value of the secondary ASP's component.	Enabled=>1Type=>RegExSampling=>1Expression=>.*
Default Value	The default value of the secondary ASP's component. *Added* or *Removed* indicate that the component was added or removed, respectively.	*Added*

See also

- [Agent Instance Change Details](#) on page 30
- [For Primary ASPs](#) on page 31

- [For Registry](#) on page 33
- [For Rules](#) on page 34

For Registry

The For Registry section in the assessment report provides details about any changes that have been made to the registry variables of each agent instance.

NOTE: The following procedure continues from [To view an assessment report:](#) on page 16.

To view the For Registry section:

- 1 In the contents table of the assessment report, click **4.1 Agent Instance Change Details**.
The **For Primary ASPs** section appears under the **4.1 Agent Instance Change Details** heading.

Figure 18. For Primary ASPs section

4.1 Agent Instance Change Details				
For Primary ASPs:				
Agent Name	DCM	Field Name	New Value	Default Value
ApacheSvr@alvscjw01	ApacheSvr	logPath	C:\Program Files\Apache Group\Apache2	/usr/local/http/logs
		purgeTime	Days	Days,Weeks,Months
		defaultFile	access.log	access_log
		weedWeekTime	Minutes	Minutes,Hours
		purgeDays	7	30
AppMonitor_prs@alvscjw09	AppMonitor	fastSamp	5	60
		fastSampFlag	1	0
		purgeTime	Days	Days,Weeks,Months
		weedWeekTime	Minutes	Minutes,Hours
		enableclientping	Enable	Enable,Disable
FGLServerMonitor@alvscjw09	FGLServerMonitor	enablestopdb	Enable	Enable,Disable
		pingdbenabled	Enable	Enable,Disable

- 2 Scroll down to the **For Registry** section.

Figure 19. For Registry section

For Registry:			
DCM	Field Name	New Value	Default Value
NT_System	CPUCritical	81	80
	CPUFatal	91	90
DCM	Field Name	New Value	Default Value
NT_System2	CPUCritical	81	80
	CPUFatal	91	90

Table 16. For Registry section data

Name	Description	Example
DCM	The name of the agent instance's DCM module.	NT_System
Field Name	The name of the database field containing the registry variable that has been modified after the installation.	CPUCritical
New Value	The modified value of the registry variable.	81
Default Value	The default value of the registry variable.	80

See also

- [Agent Instance Change Details](#) on page 30

- For Primary ASPs on page 31
- For Secondary ASPs on page 31
- For Rules on page 34

For Rules

The For Rules section in the assessment report provides details about any changes that have been made to the rules of each agent instance.

NOTE: The following procedure continues from [To view an assessment report:](#) on page 16.

To view the Added Rules section:

- 1 In the contents table of the assessment report, click **4.1 Agent Instance Change Details**.
The **For Primary ASPs** section appears under the **4.1 Agent Instance Change Details** heading.

Figure 20. For Primary ASPs section

4.1 Agent Instance Change Details				
For Primary ASPs:				
Agent Name	DCM	Field Name	New Value	Default Value
ApacheSrv@alvscjw01	ApacheSrv	logPath	C:\Program Files\Apache Group\Apache2	/usr/local/http/logs
		purgeTime	Days	Days,Weeks,Months
		defaultFile	access.log	access_log
		weedWeekTime	Minutes	Minutes,Hours
AppMonitor_prs@alvscjw09	AppMonitor	purgeDays	7	30
		fastSamp	5	60
		fastSampFlag	1	0
		purgeTime	Days	Days,Weeks,Months
FGLServerMonitor@alvscjw09	FGLServerMonitor	weedWeekTime	Minutes	Minutes,Hours
		enableclientping	Enable	Enable,Disable
		enablestopdb	Enable	Enable,Disable
		pingdbenabled	Enable	Enable,Disable

- 2 Scroll down to the **For Rules** section.

Figure 21. For Rules section

For Rules:				
DCM: AppMonitor				
Added Rules:				
<ul style="list-style-type: none"> • Proc_Avail_MOM 				
Modified Rules:				
Rule Name	Condition	Changes		
Process_Availability Fatal		Field Name	New Value	Default Value
		attributes/@enabled	0	1
		actions/mail3	Subject: QSC J1 Nexus Availability Fatal on #SYS: host#	Subject: Application Availability Warning on #SYS: host#
		actions/mail1	To: #WORLD:NexusAdmin#	To: #WORLD:SYSADMIN#
	Normal	Field Name	New Value	Default Value
		attributes/@enabled	0	1
		Field Name	New Value	Default Value
		attributes/@enabled	0	1

The **Added Rules** sub-section lists any rules that have been added after the installation.

The **Modified Rules** sub-section lists information about any rules that have been modified after the installation as described below.

Table 17. Modified Rules section data

Name	Description	Example
Rule Name	The name of the agent instance's secondary ASP that was added or modified after the installation.	Services
Condition	Identifies the conditions defined for the particular rule: Normal , Warning , Critical , or Fatal .	Critical
Changes	Field Name The name of the modified rule's component.	actions/alert3
	New Value The modified value of the rule's component. NOTE: The value of the attributes/@enabled field indicates that the rule is enabled (1) or disabled (0).	The service #DB:NT_System2.Services_Table .Service_Name#: has the following status: #DB:NT_System2.Services_Table .Status#
	Default Value The default value of the rule's component. NOTE: The value of the attributes/@enabled field indicates that the rule is enabled (1) or disabled (0).	The service #DB:NT_System.Services_Table .Service_Name#: has the following status: #DB:NT_System.Services_Table .Status#

See also

- [Agent Instance Change Details](#) on page 30
- [For Primary ASPs](#) on page 31
- [For Secondary ASPs](#) on page 31
- [For Registry](#) on page 33

Agent Instance Data Storage Details

The Agent Instance Data Storage Details section in the assessment report provides details about the agents' data storage.

i | **NOTE:** The following procedure continues from [To view an assessment report:](#) on page 16.

To view the Agent Instance Data Storage Details section:

- In the contents table of the assessment report, click **4.2 Agent Instance Data Storage Details**.

Figure 22. Agent Instance Data Storage Details section

4.2 Agent Instance Data Storage Details

Total Space Usage: 2,376,058 KB

Agent Name	Host Name	Earliest Sample Time	Latest Sample Time	Total Size (KB)
FEM@alvscul01	alvscul01	2007-03-30	2007-05-08	25,526
J2EEMemory@alvscjw02	alvscjw02	2007-01-13	2007-05-08	59,559
J2EEMemory@alvscjw03	alvscjw03	2007-01-13	2007-05-08	291,365
J2EEMemory@alvscjw04	alvscjw04	2007-01-13	2007-05-08	104,031
NexusMonitor@alvscjw06	alvscjw06	2007-04-06	2007-05-08	7,031
Oracle_MEDREC1@alvscjw05	alvscjw05	2007-02-18	2007-05-08	55,551
RequestTime@alvscjw02	alvscjw02	2007-01-13	2007-05-08	37,383
RequestTime@alvscjw03	alvscjw03	2007-01-13	2007-05-08	99,905
RequestTime@alvscjw04	alvscjw04	2007-01-13	2007-05-08	173,852
TP_Patient@alvsciw02	alvsciw02	2007-04-09	2007-05-08	69,798
TP_Patient@alvsciw03	alvsciw03	2007-04-09	2007-05-08	70,667
TP_Patient@alvsciw04	alvsciw04	2007-04-09	2007-05-08	71,040
TP_Physician@alvsciw02	alvsciw02	2007-04-09	2007-05-08	130,657
TP_Physician@alvsciw03	alvsciw03	2007-04-09	2007-05-08	133,050
TP_Physician@alvsciw04	alvsciw04	2007-04-09	2007-05-08	131,929

Table 18. Agent Instance Data Storage Details section data

Name	Description	Example
Agent Name	The name of the Foglight 4 agent.	FEM@alvscul01
Host Name	The name of the host computer the agent instance is monitoring.	alvscul01
Earliest Sample Time	The date of the first collection interval.	2007-03-30
Latest Sample Time	The date of the latest collection interval.	2007-05-08
Total Size (KB)	The amount of data in the agent instance's tables in KB.	25,526

See also

- [Agent Instance Details](#) on page 30
- [Agent Instance Change Details](#) on page 30

Registry

The Registry section in the assessment report provides details about the Foglight® 4 registry variables.

NOTE: The following procedure continues from [To view an assessment report](#): on page 16.

To view the Registry section:

- In the contents table of the assessment report, click **5 Registry**.

Figure 23. Registry section

5 Registry						
Domain	DCM	Group	Host	Agent	Variable	Value
REPORTS					DailyReportsRetention_Days	90
					RelativeReportsRetention_Days	60
					WeeklyReportsRetention_Months	13
					a	#WORLD:LIST.abc#
					DB2ADMIN	.
					DBADMIN	Dennis.Blay@quest.com
					EBUSADMIN	.
					FEM_SERVER	User Experience
					Foglight_Server	http://10.1.69.99
					FTRDIR	E:\Program Files\Quest Software\Foglight-Server\tr
					NexusAdmin	dennis.blay@quest.com, paul.schwerdtfeger@quest.com
					PSADMIN	.

Figure 24. Registry section data

Name	Description	Example
Domain	The name of the domain in which the variable is defined.	WORLD
DCM	The name of the registry variable's DCM module.	NTSystem2
Group	The group context in which the variable is defined.	PrdGroup
Host	The host context in which the variable is defined.	bali
Agent	The agent context in which the variable is defined.	NTSystem2@bali
Variable	The name of the registry variable.	CPUCritical
Value	The current value of the registry variable.	81
Default Value	The default value of the registry variable. No value indicates that the variable was added after the installation, also reflected by the Status field.	80
Status	Indicates the status of the registry variable. Possible values:	modified-from-clone
	<ul style="list-style-type: none">added: The variable was added after the installation.cloned: The variable was cloned.modified: The variable was modified after the installation.modified-from-clone: The variable was cloned and modified.	
	If this field is blank, the variable contains the default value.	

See also

- [About the Report Structure](#) on page 17
- [Foglight Management Server](#) on page 19
- [Host View](#) on page 20
- [Agent Summary](#) on page 24
- [Agent Instance Details](#) on page 30
- [Reports](#) on page 37

Reports

The Reports section in the assessment report contains the following sub-sections:

- [Standard Reports Summary](#) (see page 38)
- [User Reports Summary](#) (see page 39)

See also

- [About the Report Structure](#) on page 17
- [Foglight Management Server](#) on page 19
- [Host View](#) on page 20
- [Agent Summary](#) on page 24
- [Agent Instance Details](#) on page 30
- [Registry](#) on page 36

Standard Reports Summary

The Standard Reports Summary section in the assessment report provides details about standard Foglight® 4 reports.

NOTE: The following procedure continues from [To view an assessment report](#): on page 16.

To view the Standard Reports Summary section:

- In the contents table of the assessment report, click **6.1 Standard Reports Summary**.

Figure 25. Standard Reports Summary section

Name	Group	ID	Template	Time-range	Type	Enabled
CPUCapacityPlanning_AllData	CPUCapacityPlanning	69	CPUCapacityPlanning	AllData	STANDARD	false
CPUCapacityPlanning_Last30Days	CPUCapacityPlanning	68	CPUCapacityPlanning	Last30Days	STANDARD	true
CPUCapacityPlanning_YearToDate	CPUCapacityPlanning	70	CPUCapacityPlanning	YearToDate	STANDARD	false
DatabaseAvailability_LastMonth	DatabaseAvailability	0	DatabaseAvailability	LastMonth	STANDARD	false
DatabaseAvailability_ThisMonth	DatabaseAvailability	1	DatabaseAvailability	ThisMonth	STANDARD	true
DatabaseCapacityPlanning_AllData	DatabaseCapacityPlanning	60	DatabaseCapacityPlanning	AllData	STANDARD	false
DatabaseCapacityPlanning_Last30Days	DatabaseCapacityPlanning	59	DatabaseCapacityPlanning	Last30Days	STANDARD	true
DatabaseCapacityPlanning_YearToDate	DatabaseCapacityPlanning	61	DatabaseCapacityPlanning	YearToDate	STANDARD	false
DatabasePerformanceOverview_Last30Days	DatabasePerformanceOverview	23	DatabasePerformanceOverview	Last30Days	STANDARD	false
DatabasePerformanceOverview_Last7Days	DatabasePerformanceOverview	26	DatabasePerformanceOverview	Last7Days	STANDARD	false
DatabasePerformanceOverview_LastMonth	DatabasePerformanceOverview	24	DatabasePerformanceOverview	LastMonth	STANDARD	false
DatabasePerformanceOverview_LastWeek	DatabasePerformanceOverview	27	DatabasePerformanceOverview	LastWeek	STANDARD	false
DatabasePerformanceOverview_LastYear	DatabasePerformanceOverview	29	DatabasePerformanceOverview	LastYear	STANDARD	false

Table 19. Standard Reports Summary section data

Name	Description	Example
Name	The name of the report.	Sybase_Last12Months
Group	The group the report belongs to.	Sybase
ID	The report ID.	77
Template	The template used to generate the report.	Sybase
Time-range	The time range used to generate the report data.	Last12Months
Type	The report type.	STANDARD
Enabled	Specifies whether the report generation is enabled using one of the following values: <ul style="list-style-type: none">• false: Report generation is disabled.• true: Report generation is enabled.	false

See also

- [Reports](#) on page 37
- [User Reports Summary](#) on page 39

User Reports Summary

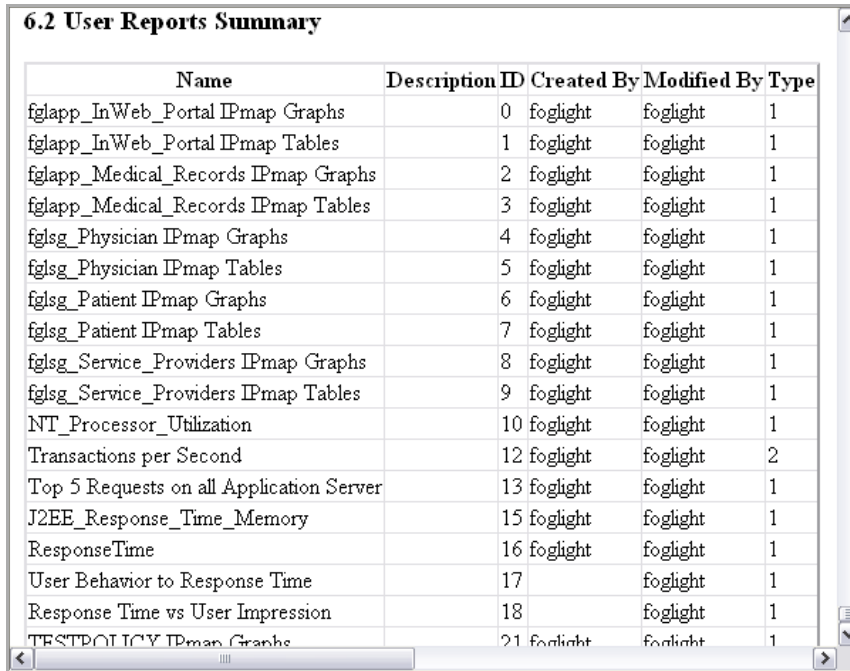
The User Reports Summary section in the assessment report provides details about user reports in Foglight 4.

i | **NOTE:** The following procedure continues from [To view an assessment report](#): on page 16.

To view the User Reports Summary section:

- In the contents table of the assessment report, click **6.2 User Reports Summary**.

User Reports Summary section



Name	Description	ID	Created By	Modified By	Type
fglapp_InWeb_Portal IPmap Graphs		0	foglight	foglight	1
fglapp_InWeb_Portal IPmap Tables		1	foglight	foglight	1
fglapp_Medical_Records IPmap Graphs		2	foglight	foglight	1
fglapp_Medical_Records IPmap Tables		3	foglight	foglight	1
fglsg_Physician IPmap Graphs		4	foglight	foglight	1
fglsg_Physician IPmap Tables		5	foglight	foglight	1
fglsg_Patient IPmap Graphs		6	foglight	foglight	1
fglsg_Patient IPmap Tables		7	foglight	foglight	1
fglsg_Service_Providers IPmap Graphs		8	foglight	foglight	1
fglsg_Service_Providers IPmap Tables		9	foglight	foglight	1
NT_Processor_Utilization		10	foglight	foglight	1
Transactions per Second		12	foglight	foglight	2
Top 5 Requests on all Application Server		13	foglight	foglight	1
J2EE_Response_Time_Memory		15	foglight	foglight	1
ResponseTime		16	foglight	foglight	1
User Behavior to Response Time		17		foglight	1
Response Time vs User Impression		18		foglight	1
TESTPOLICY IPmap Graphs		21	foglight	foglight	1

Table 20. User Reports Summary section data

Name	Description	Example
Name	The name of the report	NT_Processor_Utilization
Description	The report description	NT processor usage
ID	The report ID	10
Created By	The name of the Foglight user that created the report	foglight
Modified By	The name of the Foglight user that modified the report	foglight
Type	The report type	1

See also

- [Reports](#) on page 37
- [Standard Reports Summary](#) on page 38

Migrating to Foglight 5

This chapter describes the migration process, step-by-step. Use it to find out how to migrate Foglight 4 agents, their instances, and configuration and metrics collected by those instances. When you successfully generate the assessment report, you can start migrating your Foglight® 4 environment to Foglight 5. This chapter also provides information on how to migrate Foglight 4 hosts, agent types, their instances, and historical data to Foglight 5.

i | NOTE: The procedures in this chapter continue from [Using the Migration Assessment Tool](#) on page 12.

- [About the Migration Process](#)
- [Step 1: Registering Foglight 4 Servers for Migration](#)
- [Step 2: Migrating Agent Types](#)
- [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#)
- [Step 4: Migrating Historical Data](#)
- [Looking at the Command-Line Syntax](#)

About the Migration Process

The migration process to Foglight® 5.9.x includes the following of steps.

i | NOTE: The steps below continue from [Using the Migration Assessment Tool](#) on page 12.

- 1 Ensure that the following applications are running in each environment:
 - *Source environment:* Foglight Management Server 4, along with any monitored hosts.
 - *Target environment:* Foglight Management Server 5.9.x, along with any monitored hosts.
- 2 Register one or more Foglight 4 servers for migration, as required.
For instructions, see [Step 1: Registering Foglight 4 Servers for Migration](#) on page 41.
- 3 Migrate the Foglight 4 agent types to Foglight 5.9.x.
For instructions, see [Step 2: Migrating Agent Types](#) on page 42.
Migrate the Foglight 4 agent instances to Foglight 5.9.x.
For instructions, see [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44.
- 4 Migrate the data collected by the Foglight 4 agent instances to Foglight 5.9.x. For instructions, see [Step 4: Migrating Historical Data](#) on page 47

See also

- [About the Migration Tools](#) on page 8
- [Looking at the Command-Line Syntax](#) on page 48

Step 1: Registering Foglight 4 Servers for Migration

Before you can proceed with migrating your Foglight® 4 servers to Foglight 5.9.x, you need to register each Foglight 4 server for migration, as described below.

i | NOTE: The following procedure continues from [Using the Migration Assessment Tool](#) on page 12.

To register Foglight 4 servers for migration:

- 1 Register each of the Foglight 4 servers that you want to migrate to Foglight 5.9.x using the **register** command.

The **register** command contains a set of options and arguments that allow you to specify the Foglight 4 server and its connection information such as the host name, port number, user name and password, and others. For example, to register a Foglight 4 server and specify its configuration file, use the following command syntax:

```
fglcmd -usr foglight -pwd foglight -cmd migration:register  
-f path_to_DBVARS_file
```

For example:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight -cmd  
migration:register ..\..\Migration\AssessmentReportTool\DBVARS\  
DBVARS.lab-sl8-05  
[Aug 25, 2008 10:43:27 AM EDT] server:lab-sl8-05 is ready for migration.
```

For complete syntax information, see **register** on page 63.

To revert the results of the registration operation, use the **unregister** command (see page 66). Any Foglight 4 entities that are already migrated are not affected by the **unregister** command.

- 2 **Important.** If you add or remove a new DCM or agent instance from the Foglight 4 server that is already registered for migration, use the **refresh** command to communicate those changes to the Foglight 5.9.x target server.

For example:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight -cmd  
migration:refresh -s lab-sl8-05  
[Aug 25, 2008 1:05:11 PM EDT] server:lab-sl8-05 is ready for migration.
```

i | IMPORTANT: If you make any changes to a DCM after it is migrated, as described in [Step 2: Migrating Agent Types](#) on page 42, after issuing the refresh command, you need to re-issue the dcm command and use the -F option.

For complete syntax information, see **dcm** on page 55, **items** on page 57, and **refresh** on page 62.

You can now proceed to [Step 2: Migrating Agent Types](#) on page 42.

See also

- [About the Migration Process](#) on page 40
- [Step 2: Migrating Agent Types](#) on page 42
- [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44
- [Step 4: Migrating Historical Data](#) on page 47
- [Looking at the Command-Line Syntax](#) on page 48

Step 2: Migrating Agent Types

Migration of agent types is the process of porting of Foglight® 4 Data Collection Modules (DCMs) to 5.9.x. A DCM includes the primary ASP template, secondary ASPs, rules, and Foglight registry variables per agent type. First, you need to determine which agent types you want to migrate and then proceed with their migration, as outlined in [To migrate agent types](#): below.

The migration of agent types, or DCMs, ports only those agent configuration values that are different than their Foglight 4 defaults. If default ASP values in Foglight 4 are different than the default values of the equivalent agent properties in Foglight 5.9.x, the migration process does not overwrite the Foglight 5.9.x default agent properties with the Foglight 4 ASP defaults. For instance, if an AppMonitor agent has the Sample Frequency ASP set to its default value of 300 seconds while the default value of the Sample Frequency agent property in Foglight 5 is, for example, 350 seconds, after the migration, the migrated agent has that agent property set to the Foglight 5.9.x default value of 350 seconds.

The table below shows how the state of ASP defaults affects their values after agent migration. An example is given for each scenario. The examples illustrate the values of the AppMonitor agent's Sample Frequency ASP before and after a migration, assuming that their default values are as follows:

- Sample Frequency default in Foglight 4: 300
- Sample Frequency default in Foglight 5.9.x: 350

Table 1. ASP values before and after migration

Before Migration		After Migration
Source	Destination	Destination
Foglight 4 default	Foglight 5 non-default	Foglight 5 non-default
<i>Example: Sample Frequency</i>		
300	400	400
Foglight 4 default	Foglight 5 default	Foglight 5 default
<i>Example: Sample Frequency</i>		
300	350	350
Foglight 4 non-default	Foglight 5 default	Foglight 4 non-default
<i>Example: Sample Frequency</i>		
400	350	400
Foglight 4 non-default	Foglight 5 non-default	Foglight 4 non-default
<i>Example: Sample Frequency</i>		
400	450	400

CAUTION: You can only migrate the DCMs of those agent types that do not have any structural changes made to their primary and secondary ASPs. Migration of DCMs with structural modifications to their ASP schema is not supported and any attempt to migrate a DCM that includes structurally modified ASPs result in an error.

NOTE: The following procedure continues from [Step 1: Registering Foglight 4 Servers for Migration](#) on page 41.

To migrate agent types:

- 1 Determine which agent types you want to migrate using any of the following steps.
 - Use the assessment report to determine the agent types that you want to migrate.For more information, refer to the following sections in the assessment report: [Standard Agent Summary by Type](#) (see page 24), [Cloned Agent Summary by Type](#) (see page 25), and [Custom Agent Summary by Type](#) (see page 26).

- Review a list of agent types and instances that exist on the Foglight 4 server you registered in [Step 1: Registering Foglight 4 Servers for Migration](#) on page 41 using the **items** command.

For example:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd
foglight -cmd migration:items -s lab-sl8-05
dcm:AIX_Console: ready for migration
dcm:AIX_MPStat: ready for migration
dcm:AIX_System: ready for migration
dcm:ApacheSvr: ready for migration
dcm:AppMonitor: ready for migration
dcm:DiskIO: ready for migration
dcm:FGLServerMonitor: not ready, please install
corresponding cartridge
dcm:FS_AIX_DiskIO: not ready, please install corresponding
cartridge
...
agent:AppMonitor2@rd-qant6-01:
config: not ready, please migrate dcm:AppMonitor first
data: not ready for migration
agent:AppMonitor@lab-sl8-05:
config: not ready, please migrate dcm:AppMonitor first
data: not ready for migration
agent:AppMonitor@rd-qant6-01:
config: not ready, please migrate dcm:AppMonitor first
data: not ready for migration
agent:LogFilter@rd-qant6-01:
config: not ready, please migrate dcm:LogFilter first
data: not ready for migration
...
```

An agent's DCM is ready for migration if the cartridge it belongs to is enabled on the Foglight Management Server.

Custom DCMs cannot be migrated. Cloned DCMs cannot be migrated either, but the instances of a cloned DCM can be migrated after the base DCM for the clone is migrated (some limitations apply-- for example, primary ASP settings and registry variables from cloned agent instances are migrated while the rules from the cloned DCM are not migrated, they are replaced with the rules from the base DCM). Therefore, custom and cloned agent types appear as not being ready for migration.

For complete syntax information, see [items](#) on page 57.

- 2 **Important.** Ensure that your Foglight 5.9.x target environment includes the installation of each cartridge that contains the agents that you want to migrate, as instructed in [Step 3 of To get started with the migration:](#) on page 9.
- 3 Migrate the Foglight 4 agent DCMs from the registered Foglight 4 server using the **dcm** command.

The **dcm** command allows you to specify one or more agent types to migrate. For example:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight
-pwd foglight -cmd migration:dcm -s lab-sl8-05
-dcm NT_System
[Aug 25, 2008 12:49:24 PM EDT] Task (32ab8fd4-2093-4f67-
967f-baf5d702d595): migrate-dcm on dcm:NT_System is
being scheduled
[Aug 25, 2008 12:49:24 PM EDT] task started
[Aug 25, 2008 12:49:24 PM EDT] Migrating monitoring policy
items [Secondary ASPs, and Rules] for DCM NT_System
[Aug 25, 2008 12:49:31 PM EDT] Migrating registry for DCM
NT_System
[Aug 25, 2008 12:49:31 PM EDT] Finished migrating
monitoring policies for DCM NT_System
[Aug 25, 2008 12:49:31 PM EDT] Creating topology object for
```

```
DCM NT_System
[Aug 25, 2008 12:49:31 PM EDT] Finish creating topology
object for DCM NT_System
```

```
[Aug 25, 2008 12:49:31 PM EDT] Completed with success
```

The **dcm** command migrates the selected agent types along with their primary default primary ASP, secondary ASP, rules, and registry variables. For complete syntax information, see [dcm](#) on page 55.

- 4 If you make any changes to one or more Foglight 4 DCM modules after their migration to Foglight 5.9.x, re-issue the **dcm** command with the **-F** option.

You can now proceed to [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44.

See also

- [About the Migration Process](#) on page 40
- [Step 1: Registering Foglight 4 Servers for Migration](#) on page 41
- [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44
- [Step 4: Migrating Historical Data](#) on page 47
- [Looking at the Command-Line Syntax](#) on page 48

Step 3: Migrating Agent Instances, ASPs and Registry Variables

Migration of agent instance configuration involves deploying agent packages and creating agent instances on the target host, migrating Foglight® 4 primary ASPs into Foglight 5.9.x agent properties, and migrating agent and host-specific registry values.

The migration process does not make any changes to the default agent configuration. After migration, an agent's primary ASPs always match their Foglight 4 values.

Additionally, only the registry variables from the Foglight 4 WORLD domain are migrated to Foglight 5.9.x. Any registry variables that exist in other domains, such as REPORTS, are not migrated.

The migration process can fail for those agents whose Foglight 4 monitored host name does not match the Foglight 5 monitored host name. This happens on Windows® when `LOCAL_HOST_NAME` is set to a name that is different than the monitored host name. As a workaround, you can create a mapping between the Foglight 4 host name and the Foglight 5 host name using the [createhostalias](#) command.

Another possible use case for mapping the host name is when you need to move an agent from one host to another while migrating, either for test purposes or for an actual deployment change.

Once you have successfully migrated agent types to Foglight 5.9.x, you first need to determine which agent instances you want to migrate using either the assessment report or the **items** command, and then you can proceed with their migration. For more information about assessment reports, see [Generating Assessment Data](#) on page 10.

NOTE: The following procedure continues from [Step 2: Migrating Agent Types](#) on page 42.

To migrate agent instances:

- 1 **Important.** If there are any Foglight 4 monitored hosts whose host names do not match Foglight 5 host names, map their Foglight 4 monitored host names to Foglight 5 host names using the [createhostalias](#) command.

The [createhostalias](#) command takes three options:

- **s:** Registered Foglight 4 server

- o: Foglight 4 host name
- n: Foglight 5 host name

For example:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight
-pwd foglight -cmd migration:createhostalias
-s myFoglight4Server -o rd-xyz-01 -n MyTestServer
```

i | IMPORTANT: If successful, this command does not generate any output.

Verify whether or not the mapping was successful using the [listhostalias](#) command.

For example:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight
-pwd foglight -cmd migration:listhostalias
-s myFoglight4Server
```

Registered host aliases:

```
myFoglight4Server: rd-xyz-01 => MyTestServer
```

For complete information about this command, see [listhostalias](#) on page 59.

i | TIP: You can remove a mapping using the [removehostalias](#) command (see [removehostalias](#), [removehostalias](#) on page 65).

2 Determine which agent instances you want to migrate using the assessment report or the [items](#) command.

- Refer to the following sections in the assessment report:
 - [Standard Agent Instance Summary List](#) (see page 27)
 - [Cloned Agent Instance Summary List](#) (see page 28)
- Use the [items](#) command to review the list of agent types and instances that exist on the Foglight 4 server you registered in [Step 1: Registering Foglight 4 Servers for Migration](#) on page 41.

For example:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd
foglight -cmd migration:items -s lab-sl8-05
dcm:AIX_Console: ready for migration
dcm:AIX_MPStat: ready for migration
dcm:AIX_System: ready for migration
dcm:ApacheSvr: ready for migration
dcm:AppMonitor: ready for migration
dcm:DiskIO: ready for migration
dcm:FGLServerMonitor: not ready, please install
corresponding cartridge
dcm:FS_AIX_DiskIO: not ready, please install corresponding
cartridge
...
agent:AppMonitor2@rd-qant6-01:
config: not ready, please migrate dcm:AppMonitor first
data: not ready for migration
agent:AppMonitor@lab-sl8-05:
config: not ready, please migrate dcm:AppMonitor first
data: not ready for migration
agent:AppMonitor@rd-qant6-01:
config: not ready, please migrate dcm:AppMonitor first
data: not ready for migration
agent:LogFilter@rd-qant6-01:
config: not ready, please migrate dcm:LogFilter first
data: not ready for migration
...
```

IMPORTANT: If you added any agents to the Foglight 4 server after registering it for migration, issue the refresh command to communicate those changes to the target Foglight 5.6.0 server, before the agent instance entry appears in the output of the items command. For an example, see [To register Foglight 4 servers for migration](#) on page 41.

For complete syntax information, see [items](#) on page 57.

- 3 Ensure that the DCMs of the agents that you want to migrate are migrated successfully using the **log** command. For example:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight
-pwd foglight -cmd migration:log -s lab-s18-05
-dcm WebMonitor
=====
dcm:WebMonitor: migration completed
Name: WebMonitor
F5 agent type: WebMonitor
  F4 id: 324
  Version:
  Parent DCM: null
  Category: WebServer
  Description:
  Platform:
  ASP: WebMonitor_asp
  Adapter: SPI
  No task submitted
```

For complete syntax information, see [log](#) on page 60.

- 4 Ensure that the Foglight Agent Manager is up and running on the target host.
- 5 Migrate the applicable agent instances, as determined in [Step 2](#), using the **agent** command, either one at a time, or migrating a group of agent instances using the following syntax with the **-agent** option of the agent command:

```
-agent dcm:DCM-name
```

or

```
-agent host:Host-name
```

There are two types of migration entities that are associated with each agent instance:

- **Configuration.** Agent ASPs and registry values. They become ready for migration after you successfully migrate the agent's DCM.
- **Data.** Collected data.

The **agent** command contains a number of options and arguments that allow you to specify which agent instances you want to migrate. For example, to migrate a particular agent instance, use the **-agent** option followed by the agent name:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight
-pwd foglight -cmd migration:agent -s lab-s18-05
-agent WebMonitor@rd-qant6-01
[Aug 25, 2008 2:49:12 PM EDT] Task (6e634756-2767-4264-
98e6-d81ded126c42): migrate-agent on
agent:WebMonitor@rd-qant6-01 is being scheduled
[Aug 25, 2008 2:49:12 PM EDT] task started
[Aug 25, 2008 2:49:14 PM EDT] Package for agent type
WebMonitor already deployed on WebMonitor@rd-qant6-01
[Aug 25, 2008 2:49:14 PM EDT] Initializing agent type:
WebMonitor on TOR012991 with the name WebMonitor
[Aug 25, 2008 2:49:15 PM EDT] Agent: WebMonitor(id: 16) has
been initialized
[Aug 25, 2008 2:49:15 PM EDT] Migrating ASP settings for
```

```
agent 16
[Aug 25, 2008 2:49:15 PM EDT] Completed with success
```

The **agent** command pushes out agent installers from the Foglight Management Server 5.9.x to their specified host machines and migrates the agents' primary ASPs into Foglight 5.9.x agent properties for each agent instance.

For complete syntax information, see [agent](#) on page 49.

You can now proceed to [Step 4: Migrating Historical Data](#) on page 47.

See also

- [About the Migration Process](#) on page 40
- [Step 1: Registering Foglight 4 Servers for Migration](#) on page 41
- [Step 2: Migrating Agent Types](#) on page 42
- [Step 4: Migrating Historical Data](#) on page 47
- [Looking at the Command-Line Syntax](#) on page 48

Step 4: Migrating Historical Data

You can migrate the data collected by an agent instance when that agent instance is successfully migrated to the target Foglight® 5.9.x environment.

The procedure below outlines the process of migrating historical data, step by step.

i | **NOTE:** The following procedure continues from [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44.

To migrate Foglight 4 data to Foglight 5.9.x:

- 1 Determine which agent instances contain the data that you want to migrate to Foglight 5.9.x. You can use the [Agent Instance Data Storage Details](#) section in the assessment report (see page 35) to find out about the collection periods and the amount of data collected for each agent instance. This may help you determine the data storage requirements.
- 2 Migrate the historical data of all applicable agent instances, as determined in [Step 1](#), using the **data** command.

The **data** command contains a set of options and arguments that allow you to specify the agent type, agent instance, or a Foglight host. For example, to migrate the data that an agent instance collected during a particular time span, use the

-agent option to specify the instance name along with the **-t** option to specify the collection period:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight
-pwd foglight -cmd migration:data -s lab-sl8-05
-agent WebMonitor@rd-qant6-01 -t "2 months"
agent:WebMonitor@rd-qant6-01:
Observations data for (2 months:1 week) up to
(2008-08-26 09:35:46.913): migration in progress
Observations data for (2 months:1 week) up to
(2008-08-26 09:24:04.608): migration completed
```

The **data** command migrates your Foglight 4 data to Foglight 5.9.x as required.

For complete syntax information, see [data](#) on page 54.

- 3 **Optional.** Check the status and log entries of the data migration for an agent using the **log** command.

The **log** command contains a set of options and arguments that allow you to specify the agent type or agent instance. For example, to check the status of the migration for a particular agent instance, use the **-agent** option followed by the agent type name.

For example:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight
-pwd foglight -cmd migration:log -s lab-sl8-05
-agent WebMonitor@rd-qant6-01

=====
agent:WebMonitor@rd-qant6-01:
  config: migration completed
  data: ready for migration
  Observations data for (2 months:1 week) up to
    (2008-08-26 09:35:46.913): migration completed
  Observations data for (2 months:1 week) up to
    (2008-08-26 09:24:04.608): migration completed

Agent name: WebMonitor@rd-qant6-01
DCM: WebMonitor
  Host id: 5
  F4 group Id: 599
  Status: 1
Latest task logs:
migrate-data
  Status: Completed with success
  Submitted at: Tue Aug 26 09:35:46 EDT 2008
  Ended at: Tue Aug 26 09:37:50 EDT 2008
  Last log message: [Aug 26, 2008 9:37:50 AM EDT]
    Completed with success
  [Aug 26, 2008 9:35:46 AM EDT] Task (310441cf-3456-4784-
    9258-0f48928a63fa): migrate-data on
    dataspan: Observations data for (2 months:1 week)
    up to (2008-08-26 09:35:46.913) is being scheduled
  [Aug 26, 2008 9:35:46 AM EDT] task started
  [Aug 26, 2008 9:37:50 AM EDT] Agent Observations data for
    (2 months:1 week) up to (2008-08-26 09:35:46.913)
    has been migrated
  [Aug 26, 2008 9:37:50 AM EDT] Completed with success
```

You have completed the upgrade to Foglight 5.9.x and can start transitioning to the new environment. For more information, see the Foglight *Transition Guide*.

See also

- [About the Migration Process](#) on page 40
- [Step 1: Registering Foglight 4 Servers for Migration](#) on page 41
- [Step 2: Migrating Agent Types](#) on page 42
- [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44
- [Looking at the Command-Line Syntax](#) on page 48

Looking at the Command-Line Syntax

The migration commands come included with `fglcmd`. The `fglcmd` interface is comprised of two commands that are separated by a colon `:`. The first command, `fglcmd`, specifies connection options, such as user name and password to the Foglight® Management Server, and the scope of the second command. In the case of the migration commands, the scope is always `migration`. The second command specifies the migration-related command.

The syntax examples in this section illustrate the use of both types of commands. For complete information on how to get started and use `fglcmd` interface, see the *Command-Line Reference Guide*.

The `fglcmd` interface includes migration commands that allow you to migrate hosts and agent types along with their agent instances and historical data to Foglight 5.9.x. It also contains other types of commands that you can use to administer agents and metrics in Foglight on the command line. For example, use the commands to register a Foglight 4 server for a migration and to migrate its hosts and agents together with their historical data. At any time during the migration, you can list migration items for one or more registered Foglight 4 servers, check their status, or cancel the process if necessary.

This section describes the following commands:

- [agent](#) on page 49
- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [data](#) on page 54
- [dcm](#) on page 55
- [items](#) on page 57
- [listhostalias](#) on page 59
- [log](#) on page 60
- [refresh](#) on page 62
- [register](#) on page 63
- [removehostalias](#) on page 65
- [unregister](#) on page 66

See also

- [About the Migration Process](#) on page 40
- [Step 1: Registering Foglight 4 Servers for Migration](#) on page 41
- [Step 2: Migrating Agent Types](#) on page 42
- [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44
- [Step 4: Migrating Historical Data](#) on page 47

agent

The `agent` command migrates the configuration of one or more agent instances running on a registered Foglight® 4 server to Foglight 5.9.x.

You can run the `agent` command for the same agent instance one or more times. After a successful execution, any subsequent calls report on the success of the operation without repeating the migration operation. An exception to this rule is when the `-f` option is used, in which case the command repeats the agent migration. If the command fails, and the cause of the failure is resolved, any subsequent calls to the `agent` command cause the command to repeat the migration operation until it successfully migrates the agent.

! | CAUTION: You cannot revert the results of the `agent` command.

After migrating an agent instance, you can use Agent Status dashboard in the Administration module to find the newly-migrated agent instance. For more information about the Agent Status dashboard, see the *Administration and Configuration Guide*.

Scope

migration

Syntax

fglcmd *connection_options* **-cmd migration:agent -s** *reg_fms_4* [**-agent** *agent_name*] [**-a**] [**-F**] [**-c** *comment*]

i | **NOTE:** For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 2. Options and arguments

Options	Arguments	Description
a		Activates the migrated agent instances on the Foglight 5 server.
agent	<i>agent_name</i>	Specifies one or more agent instances that are to be migrated. Use the following syntax to select agent instances: <ul style="list-style-type: none"><i>agent_instance_name</i>, where <i>agent_instance_name</i> is the name of the agent instance, selects one agent instance. For example, <code>NT_System@server1</code> selects the agent instance whose name is <code>NT_System@server1</code>host:<i>host_name</i>, where <i>host_name</i> is the name of a Foglight 4 host, selects all agent instances running on that host. For example, <code>host:server1</code> selects all agent instances that are running on the Foglight 4 host whose name is <code>server1</code>.dcm:<i>dcm_name</i>, where <i>dcm_name</i> is the name of the DCM module, selects all agent instances of that type. For example, <code>dcm:NT_System</code> selects all <code>NT_System</code> agent instances.
c	<i>comment</i>	Contains the comment associated with the command action.
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
F		Forces the migration tool to redo all of the migration steps even if the agent instance is already successfully migrated. If you do not use this option, and the agent instance has been migrated, the command reports success without redoing any of the migration steps.
s	<i>reg_fms_4</i>	Specifies the name of a Foglight Management Server version 4 that has been previously registered for migration on which the agents that are to be migrated are running. If you register only one Foglight 4 server for migration, you can omit this option. For more information on how to register a Foglight 4 server, see register on page 63.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight -cmd
migration:agent -s lab-sl8-05 -agent WebMonitor@rd-qant6-01
[Aug 25, 2008 2:49:12 PM EDT] Task (6e634756-2767-4264-98e6-d81ded126c42):
migrate-agent on agent:WebMonitor@rd-qant6-01 is being scheduled
[Aug 25, 2008 2:49:12 PM EDT] task started
[Aug 25, 2008 2:49:14 PM EDT] Package for agent type WebMonitor already
deployed on WebMonitor@rd-qant6-01
[Aug 25, 2008 2:49:14 PM EDT] Initializing agent type: WebMonitor on TOR012991
with the name WebMonitor
```

```
[Aug 25, 2008 2:49:15 PM EDT] Agent: WebMonitor(id: 16) has been initialized
[Aug 25, 2008 2:49:15 PM EDT] Migrating ASP settings for agent 16
[Aug 25, 2008 2:49:15 PM EDT] Completed with success
```

See also

- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [data](#) on page 54
- [dcm](#) on page 55
- [listhostalias](#) on page 59
- [items](#) on page 57
- [log](#) on page 60
- [refresh](#) on page 62
- [register](#) on page 63
- [removehostalias](#) on page 65
- [unregister](#) on page 66

cancel

The `cancel` command stops one or more migration tasks that are scheduled or in progress for a given registered server. Completed migration tasks cannot be cancelled or undone. Any attempts to cancel a task in progress does not revert any changes that you previously made to the Foglight® 5 server.

This command is typically used in situations when you need to cancel a data migration process that is running for a long time. Other types of migration commands, such as DCM or agent instance migration take little time and are rarely cancelled.

Scope

migration

Syntax

```
fglcmd connection_options -cmd migration:cancel -s reg_fms_4 [-agent agent_name] |
[-dcm dcm_type] [-c comment]
```

i | **NOTE:** For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 3. Options and Arguments

Option	Argument	Description
agent	<i>agent_name</i>	Specifies one or more agent instances whose migration is about to be cancelled. Use the following syntax to select agent instances: <ul style="list-style-type: none"> <i>agent_instance_name</i>, where <i>agent_instance_name</i> is the name of the agent instance, selects one agent instance. For example, <code>NT_System@server1</code> selects the agent instance whose name is <code>NT_System@server1</code>. host:<i>host_name</i>, where <i>host_name</i> is the name of a Foglight 4 host, selects all agent instances running on that host. For example, <code>host:server1</code> selects all agent instances that are running on the Foglight 4 host whose name is <code>server1</code>. dcm:<i>dcm_name</i>, where <i>dcm_name</i> is the name of the DCM module, selects all agent instances of that type. For example, <code>dcm:NT_System</code> selects all <code>NT_System</code> agent instances.
connection_options		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
dcm	<i>dcm_type</i>	Specifies the type of the DCM whose migration is to be cancelled. To cancel the migration of all agents of a particular DCM type, use the -agent dcm: <i>dcm_name</i> option (see agent above).
s	<i>reg_fms_4</i>	Specifies the name of a Foglight 4 server (that is previously registered for migration) on which the agents are running whose migration is to be cancelled. If only one registered server is scheduled for migration, this parameter can be omitted. For more information on how to register a Foglight 4 server, see register on page 63.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight -cmd
migration:cancel -s lab-sl8-05 -agent WebMonitor@rd-qant6-01
agent:WebMonitor@rd-qant6-01
config: migration completed
data: ready for migration
Observations data for (2 months:1 week) up to (2008-08-26 09:24:04.608):
migration in progress
```

See also

- [agent](#) on page 49
- [createhostalias](#) on page 53
- [data](#) on page 54
- [dcm](#) on page 55
- [items](#) on page 57
- [listhostalias](#) on page 59
- [log](#) on page 60
- [refresh](#) on page 62
- [register](#) on page 63
- [removehostalias](#) on page 65
- [unregister](#) on page 66

createhostalias

The `createhostalias` command creates a Foglight® 5 host alias for a Foglight 4 monitored host. This command is useful in situations where `LOCAL_HOST_NAME` on Windows®-based monitored hosts is set to a value that is different than the actual monitored host name. For more information, see [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44.

You can list the existing host aliases with the `listhostalias` command (see page 59) or remove them using `removehostalias` (see page 65) as required.

Scope

migration

Syntax

```
fglcmd connection_options -cmd migration:createhostalias -n newhost -o oldhost [-s server]
```

i | **NOTE:** For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 4. Options and Arguments

Option	Argument	Description
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
n	<i>newhost</i>	Specifies the name of the Foglight 5.9.x monitored host.
o	<i>oldhost</i>	Specifies the name of the Foglight 4 monitored host.
s	<i>server</i>	Specifies the registered name of the Foglight 4 server.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight -cmd migration:createhostalias -s myFoglight4Server -o rd-xyz-01 -n MyTestServer
```

i | **NOTE:** If successful, this command does not generate any output.

See also

- [agent](#) on page 49
- [cancel](#) on page 51
- [data](#) on page 54
- [dcm](#) on page 55
- [items](#) on page 57
- [listhostalias](#) on page 59
- [log](#) on page 60
- [refresh](#) on page 62

- [register](#) on page 63
- [removehostaliases](#) on page 65
- [unregister](#) on page 66

data

The `data` command migrates the metrics collected in Foglight® 4 to Foglight 5.9.x. It can migrate the data collected by one or more agent instances or agent types running on a registered Foglight 4 server.

i | **NOTE:** You can only migrate the historical data of those agent instances that are already migrated. For information on how to migrate agent instances, see [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44.

After migrating the agent's data, you can use the Data dashboard in the browser interface to verify the result. For more information about the Data dashboard, see the *Web Component Guide*.

Scope

migration

Syntax

```
fglcmd connection_options -cmd migration:data -s reg_fms_4 [-agent agent_name]
-t "time_span {day[s]|week[s]|month[s]|year[s]}"
-i "data_slice {day[s]|week[s]|month[s]|year[s]}"
```

i | **NOTE:** For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 5. Options and arguments

Option	Argument	Description
agent	<i>agent_name</i>	Specifies one or more agent instances whose data is about to be migrated. Use the following syntax to select agent instances: <ul style="list-style-type: none"> • <i>agent_instance_name</i>, where <i>agent_instance_name</i> is the name of the agent instance, selects one agent instance. For example, <code>NT_System@server1</code> selects the agent instance whose name is <code>NT_System@server1</code> • host: <i>host_name</i>, where <i>host_name</i> is the name of a Foglight 4 host, selects all agent instances running on that host. For example, <code>host:server1</code> selects all agent instances that are running on the Foglight 4 host whose name is <code>server1</code>. • dcm: <i>dcm_name</i>, where <i>dcm_name</i> is the name of the DCM module, selects all agent instances of that type. For example, <code>dcm:NT_System</code> selects all <code>NT_System</code> agent instances.
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
i	<i>data_slice</i>	Specifies the number of days, weeks, months, or years during which the agent instance processed the data in one iteration. Smaller periods reduce the memory requirement. The default is one week.

Table 5. Options and arguments

Option	Argument	Description
s	<i>reg_fms_4</i>	Specifies the name of the Foglight 4 server, previously registered for migration, running the agent types that are to be migrated. If you register only one Foglight 4 server for migration, you can omit this option. For more information on how to register a Foglight 4 server, see register on page 63.
t	<i>time_span</i>	Specifies the number of days, weeks, months, or years during which the agent instance collected the data that is to be migrated.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight -cmd
migration:data -s lab-sl8-05
-agent WebMonitor@rd-qant6-01 -t "2 months" agent:WebMonitor@rd-qant6-01:
Observations data for (2 months:1 week) up to (2008-08-26 09:35:46.913): migration
in progress
Observations data for (2 months:1 week) up to (2008-08-26 09:24:04.608): migration
completed
```

See also

- [agent](#) on page 49
- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [data](#) on page 54
- [dcm](#) on page 55
- [items](#) on page 57
- [listhostalias](#) on page 59
- [log](#) on page 60
- [refresh](#) on page 62
- [register](#) on page 63
- [removehostalias](#) on page 65
- [unregister](#) on page 66

dcm

The `dcm` command migrates one or more Foglight® 4 DCMs that are running on a registered server to Foglight 5.9.x.

You can run the `dcm` command for the same DCM one or more times. After the command executes successfully, any subsequent calls result in the command reporting on the success of the operation without repeating the migration operation. An exception to this rule is when the `F` option is used, in which case the command repeats the DCM migration. Use this option if you make changes to the DCM in the Foglight 4 environment after you have successfully migrated that DCM to the target environment. This option forces the command to repeat all of its migration tasks even if a prior DCM migration was successful.

If the command fails, and the cause of the failure is resolved, any subsequent calls to the `dcm` command cause it to repeat the migration operation until it successfully migrates the DCM.

! CAUTION: You cannot revert the results of the `dcm` command.

If you make any changes to one or more Foglight 4 DCMs that you want to port to Foglight 5.9.x after their migration to Foglight 5.9.x, you need to run the `dcm` command again in order for those changes to be migrated.

CAUTION: Structural changes to both primary and secondary ASP prevent the migration of their DCMs, which results in an error, and is not supported. The exception to this rule is a case where the `F` option is used, which forces the DCM migration to proceed. However, there are no guarantees that the result of a forced migration of a DCM with a custom ASP schema would work. For example, an agent instance of such a DCM may not be able to start.

If you rename a rule in Foglight 5.9.x and then try to migrate the Foglight 4 DCM that contains that rule, the `dcm` command overwrites the rule name with its default in the destination environment. This is because rules have system-generated IDs that are associated with default rule names. The `dcm` command makes use of those IDs when creating Foglight 5.9.x equivalents of Foglight 4 rules. Given a rule ID, it assigns the default rule name, overwriting any prior changes to the rule name in Foglight 5.9.x.

For example, if you rename the Windows_System agent's `CPU_Utilization` rule to `CPU_Utilization_Copy` in Foglight 5.9.x, and then issue the `dcm` command to migrate the DCM module that contains the Foglight 4 equivalent of the same rule, the migration process overwrites `CPU_Utilization_Copy` with the default rule name, `CPU_Utilization`.

Scope

migration

Syntax

```
fglcmd connection_options -cmd migration:dcm -s reg_fms_4 -dcm dcm_type [-F]
[-c comment]
```

NOTE: For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 6. Options and Arguments

Option	Argument	Description
c	<i>comment</i>	Contains the comment associated with the command action.
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
dcm	<i>dcm_type</i>	Specifies the type of the DCM module that is to be migrated.
F		Forces the command to repeat all of the migration steps even if the DCM is already successfully migrated. If you do not use this option, and the DCM is migrated, the command reports success without redoing any of the migration steps.
s	<i>reg_fms_4</i>	Specifies the name of the Foglight 4 server that has been previously registered for migration running the agent types that are to be migrated. If you register only one Foglight 4 server for migration, you can omit this option. For more information on how to register a Foglight 4 server, see register on page 63.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight
  -pwd foglight -cmd migration:dcm -s lab-sl8-05
  -dcm NT_System
[Aug 25, 2008 12:49:24 PM EDT] Task (32ab8fd4-2093-4f67-967f-baf5d702d595): migrate-
dcm on dcm:NT_System is being scheduled
```



```
[Aug 25, 2008 12:49:24 PM EDT] task started
[Aug 25, 2008 12:49:24 PM EDT] Migrating monitoring policy items [Secondary ASPs,
and Rules] for DCM NT_System
[Aug 25, 2008 12:49:31 PM EDT] Migrating registry for DCM NT_System
[Aug 25, 2008 12:49:31 PM EDT] Finished migrating monitoring policies for DCM
NT_System
[Aug 25, 2008 12:49:31 PM EDT] Creating topology object for DCM NT_System
[Aug 25, 2008 12:49:31 PM EDT] Finish creating topology object for DCM NT_System
[Aug 25, 2008 12:49:31 PM EDT] Completed with success
```

See also

- [agent](#) on page 49
- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [data](#) on page 54
- [items](#) on page 57
- [listhostalias](#) on page 59
- [log](#) on page 60
- [refresh](#) on page 62
- [register](#) on page 63
- [removehostalias](#) on page 65
- [unregister](#) on page 66

items

The `items` command outputs a listing of all migration items that are available for migration from one or more registered Foglight® 4 servers. If you add any agents to the Foglight 4 environment after registering their Foglight 4 server, followed by issuing the `refresh` command to communicate those changes to the target Foglight 5.9.x server, and then issue the `items` command, the newly-added agents appear in the list along with any agents that existed prior to the registration. For more information on how to register a Foglight 4 server for migration, see [register](#) on page 63.

Scope

`migration`

Syntax

```
fglcmd connection_options -cmd migration:items [-s reg_fms_4]
```

i | **NOTE:** For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 7. Options and Arguments

Option	Argument	Description
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
s	<i>reg_fms_4</i>	Specifies the name of one or more Foglight 4 servers that have been previously registered for migration and whose migration items are to be listed. If you do not use this option, the command lists all migration items on all registered servers. For more information on how to register a Foglight 4 server, see register on page 63.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd
foglight -cmd migration:items -s lab-sl8-05
dcm:AIX_Console: ready for migration
dcm:AIX_MPStat: ready for migration
dcm:AIX_System: ready for migration
dcm:ApacheSvr: ready for migration
dcm:AppMonitor: ready for migration
dcm:DiskIO: ready for migration
dcm:FGLServerMonitor: not ready, please install
corresponding cartridge
dcm:FS_AIX_DiskIO: not ready, please install corresponding
cartridge
...
agent:AppMonitor2@rd-qant6-01:
config: not ready, please migrate dcm:AppMonitor first
data: not ready for migration
agent:AppMonitor@lab-sl8-05:
config: not ready, please migrate dcm:AppMonitor first
data: not ready for migration
agent:AppMonitor@rd-qant6-01:
config: not ready, please migrate dcm:AppMonitor first
data: not ready for migration
agent:LogFilter@rd-qant6-01:
config: not ready, please migrate dcm:LogFilter first
data: not ready for migration
...
```

See also

- [agent](#) on page 49
- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [data](#) on page 54
- [dcm](#) on page 55
- [listhostalias](#) on page 59
- [log](#) on page 60
- [refresh](#) on page 62
- [register](#) on page 63
- [removehostalias](#) on page 65

- [unregister](#) on page 66

listhostalias

The `listhostalias` command lists all Foglight® 5.9.x host aliases for Foglight 4 hosts. This command is useful in situations where `LOCAL_HOST_NAME` on Windows®-based monitored hosts is set to a value that is different than the actual monitored host name. For more information, see [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44.

You can create host aliases with the [createhostalias](#) command (see page 53) or remove them using [removehostalias](#) (see page 65) as required.

Scope

migration

Syntax

```
fglcmd connection_options -cmd migration:listhostalias [-o oldhost] [-s server]
```

i | **NOTE:** For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 8. Options and Arguments

Option	Argument	Description
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
o	<i>oldhost</i>	Specifies the name of the Foglight 4 monitored host.
s	<i>server</i>	Specifies the registered name of the Foglight 4 server.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight -cmd
migration:listhostalias -s myFoglight4Server
Registered host aliases:
myFoglight4Server: rd-xyz-01 => MyTestServer
```

See also

- [agent](#) on page 49
- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [data](#) on page 54
- [dcm](#) on page 55
- [items](#) on page 57
- [log](#) on page 60
- [refresh](#) on page 62

- [register](#) on page 63
- [removehostalias](#) on page 65
- [unregister](#) on page 66

log

The `log` command outputs a listing of migration-related log entries for a specified Foglight® server, agent type, or agent instance.

Scope

migration

Syntax

```
fglcmd connection_options -cmd migration:log [-s reg_fms_4] [-agent agent_name]
[-dcm dcm_name] [-a]
```

i | **NOTE:** For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 9. Options and Arguments

Option	Argument	Description
a		Lists logs of previous migration tasks that were completed for the specified agent instances or DCMs. If you do not specify this option, the command lists only the latest migration task.
agent	<i>agent_name</i>	Specifies one or more agent instances whose log entries are about to be listed. Use the following syntax to select agent instances: <ul style="list-style-type: none"> • <i>agent_instance_name</i>, where <i>agent_instance_name</i> is the name of the agent instance, selects one agent instance. For example, <code>NT_System@server1</code> selects the agent instance whose name is <code>NT_System@server1</code>. • host:<i>host_name</i>, where <i>host_name</i> is the name of a Foglight 4 host, selects all agent instances running on that host. For example, <code>host:server1</code> selects all agent instances that are running on the Foglight 4 host whose name is <code>server1</code>. • dcm:<i>dcm_name</i>, where <i>dcm_name</i> is the name of the DCM module, selects all agent instances of that type. For example, <code>dcm:NT_System</code> selects all <code>NT_System</code> agent instances.
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
dcm	<i>dcm_name</i>	Specifies the name of a DCM module whose log entries are to be listed.
s	<i>reg_fms_4</i>	Specifies the name of one or more Foglight 4 servers that have been previously registered for migration and whose log entries are to be listed. If you register only one Foglight 4 server for migration, you can omit this option. For more information on how to register a Foglight 4 server, see register on page 63.

Examples

- To check the status of the migration for a particular agent type, use the `-dcm` option followed by the DCM name:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight
-pwd foglight -cmd migration:log -s lab-sl8-05
-dcm WebMonitor
dcm:WebMonitor: migration completed
Name: WebMonitor
F5 agent type: WebMonitor
  F4 id: 324
  Version:
  Parent DCM: null
  Category: WebServer
  Description:
  Platform:
  ASP: WebMonitor_asp
  Adapter: SPI
Latest task logs:
migrate-dcm
  Status: Completed with success
  Submitted at: Mon Aug 25 14:02:02 EDT 2008
  Ended at: Mon Aug 25 14:02:02 EDT 2008
  Last log message: [Aug 25, 2008 2:02:02 PM EDT]
    Completed with success

[Aug 25, 2008 2:02:02 PM EDT] Task (33904eb1-3305-44c3-
9f10-1055db623c80): migrate-dcm on dcm:WebMonitor is being scheduled
[Aug 25, 2008 2:02:02 PM EDT] task started
[Aug 25, 2008 2:02:02 PM EDT] Migrating monitoring policy items [Secondary
  ASPs, and Rules] for DCM WebMonitor
[Aug 25, 2008 2:02:02 PM EDT] Migrating registry for DCM WebMonitor
[Aug 25, 2008 2:02:02 PM EDT] Finished migrating monitoring policies for DCM
  WebMonitor
[Aug 25, 2008 2:02:02 PM EDT] Creating topology object for DCM WebMonitor
[Aug 25, 2008 2:02:02 PM EDT] Finish creating topology object for DCM
  WebMonitor
[Aug 25, 2008 2:02:02 PM EDT] Completed with success
```

- To check the status of the migration for a particular agent instance, use the `-agent` option followed by the instance name:

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight
-pwd foglight -cmd migration:log -s lab-sl8-05
-agent WebMonitor@rd-qant6-01

=====
agent:WebMonitor@rd-qant6-01:
  config: migration completed
  data: ready for migration
  Observations data for (2 months:1 week) up to (2008-08-26 09:35:46.913):
    migration completed
  Observations data for (2 months:1 week) up to (2008-08-26 09:24:04.608):
    migration completed

Agent name: WebMonitor@rd-qant6-01
DCM: WebMonitor
  Host id: 5
  F4 group Id: 599
  Status: 1
Latest task logs:
```

```

migrate-data
  Status: Completed with success
  Submitted at: Tue Aug 26 09:35:46 EDT 2008
  Ended at: Tue Aug 26 09:37:50 EDT 2008
  Last log message: [Aug 26, 2008 9:37:50 AM EDT]
    Completed with success
  [Aug 26, 2008 9:35:46 AM EDT] Task (310441cf-3456-4784-9258-0f48928a63fa):
    migrate-data on dataspan:
  Observations data for (2 months:1 week) up to (2008-08-26 09:35:46.913) is
    being scheduled
  [Aug 26, 2008 9:35:46 AM EDT] task started
  [Aug 26, 2008 9:37:50 AM EDT] Agent Observations data for (2 months:1 week) up
    to (2008-08-26 09:35:46.913) has been migrated
  [Aug 26, 2008 9:37:50 AM EDT] Completed with success

```

See also

- [agent](#) on page 49
- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [data](#) on page 54
- [dcm](#) on page 55
- [items](#) on page 57
- [listhostalias](#) on page 59
- [refresh](#) on page 62
- [register](#) on page 63
- [removehostalias](#) on page 65
- [unregister](#) on page 66

refresh

The `refresh` command refreshes a registered Foglight® 4 server which makes it aware of any additions or deletions of DCMs, hosts, or agent instances on the server since the most recent execution of the `refresh` or `register` command (see page 63).

Scope

migration

Syntax

```
fglcmd connection_options -cmd migration:refresh -s fms_4
```

i | **NOTE:** For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 10. Options and Arguments

Option	Argument	Description
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
s	<i>fms_4</i>	Specifies the name of the Foglight 4 server that is to be refreshed. If you register only one Foglight 4 server for migration, you can omit this option.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight -cmd
migration:refresh -s lab-sl8-05
[Aug 25, 2008 1:05:11 PM EDT] server:lab-sl8-05 is ready for migration.
```

i | **NOTE:** If successful, this command does not generate any output.

See also

- [agent](#) on page 49
- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [data](#) on page 54
- [dcm](#) on page 55
- [items](#) on page 57
- [listhostalias](#) on page 59
- [log](#) on page 60
- [register](#) on page 63
- [removehostalias](#) on page 65
- [unregister](#) on page 66

register

The `register` command registers a Foglight® 4 server for migration.

You can revert the result of the `register` command using the [unregister](#) command (see page 66).

Scope

migration

Syntax

```
fglcmd connection_options -cmd migration:register -s fms_4
{{-t db_type -h db_host -p db_port -n db_name -u db_user
-w db_pwd}} {{-f path_to_config_file}}
```

NOTE: For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 11. Options and Arguments

Option	Argument	Description
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
f	<i>path_to_config_file</i>	Specifies a path to the local file that contains the configuration information about the Foglight 4 server. This can be a local copy of the Foglight 4 <i>DBVARS</i> file, or the <i>fgl4_migration.config</i> file. Both file types can also be used by the <code>fgl4_report</code> command (see page 14) to generate assessment data. If used with the t , h , p , n , u , or w option, the arguments specified with those options override their corresponding values in the configuration file. For example, in the expression <code>-f DBVARS -h MyHost,MyHost</code> overrides the name of the database host specified in the <i>DBVARS</i> file.
h	<i>db_host</i>	Specifies the name of the database host.
n	<i>db_name</i>	Specifies the name of the database.
p	<i>db_port</i>	Specifies the database port.
s	<i>fms_4</i>	Specifies a unique name of the Foglight 4 server that is to be registered for a migration. If not specified, the command uses the host name of the Foglight 4 server. You can register the same Foglight 4 server multiple times if required, but you have to use a different server name each time.
t	<i>db_type</i>	Specifies the database type. Possible values are mysql and oracle .
u	<i>db_user</i>	Specifies the name of the database user.
w	<i>db_pwd</i>	Specifies the database password.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight -cmd
migration:register -f ..\..\Migration\AssessmentReportTool\DBVARS\DBVARS.lab
-s18-05
[Aug 25, 2008 10:43:27 AM EDT] server:lab-s18-05 is ready for migration.
```

See also

- [agent](#) on page 49
- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [data](#) on page 54
- [dcm](#) on page 55
- [items](#) on page 57
- [listhostalias](#) on page 59
- [log](#) on page 60
- [refresh](#) on page 62
- [removehostalias](#) on page 65

- [unregister](#) on page 66

removehostalias

The `removehostalias` command removes a Foglight® 5 host alias for a Foglight 4 monitored host. This command is useful in situations where `LOCAL_HOST_NAME` on Windows®-based monitored hosts is set to a value that is different than the actual monitored host name. For more information, see [Step 3: Migrating Agent Instances, ASPs and Registry Variables](#) on page 44.

You can list the existing host aliases with the `listhostalias` command (see page 59) or create them using `createhostalias` (see page 53) as required.

Scope

migration

Syntax

```
fglcmd connection_options -cmd migration:removehostalias -s server -o oldhost
```

i | **NOTE:** For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Figure 1. Options and Arguments

Option	Argument	Description
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
o	<i>oldhost</i>	Specifies the name of the Foglight 4 monitored host.
s	<i>server</i>	Specifies the registered name of the Foglight 4 server.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight
-cmd migration:removehostalias -s myFoglight4Server -o rd-xyz-01
```

i | **NOTE:** If successful, this command does not generate any output.

See also

- [agent](#) on page 49
- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [dcm](#) on page 55
- [items](#) on page 57
- [listhostalias](#) on page 59
- [log](#) on page 60
- [refresh](#) on page 62

- [register](#) on page 63
- [removehostalias](#) on page 65
- [unregister](#) on page 66

unregister

The `unregister` command reverts the result of the [register](#) command (see page 63), used to register a Foglight® 4 server for migration. Any Foglight 4 entities that are already migrated are not affected by this command.

Scope

migration

Syntax

```
fglcmd connection_options -cmd migration:register -s fms_4
```

i | **NOTE:** For complete information about the `fglcmd` command syntax, see the *Command-Line Reference Guide*.

Table 12. Options and Arguments

Option	Argument	Description
<i>connection_options</i>		Specifies the user name and password for the Foglight 5 server, as well as the machine name and port number, if necessary. Alternatively, <code>fglcmd</code> can retrieve this information from a user-specific properties file. For complete information, see the <i>Command-Line Reference Guide</i> .
s	<i>fms_4</i>	Specifies the name of the Foglight 4 server under which it is registered.

Example

```
C:\Quest_Software\Foglight\bin>fglcmd -usr foglight -pwd foglight  
-cmd migration:unregister -s lab-sl8-05  
server:lab-sl8-05 has been unregistered.
```

See also

- [agent](#) on page 49
- [cancel](#) on page 51
- [createhostalias](#) on page 53
- [data](#) on page 54
- [dcm](#) on page 55
- [items](#) on page 57
- [listhostalias](#) on page 59
- [log](#) on page 60
- [refresh](#) on page 62
- [removehostalias](#) on page 65

- [register](#) on page 63

Appendix: Frequently Asked Questions

This appendix answers some of the common questions about the migration process.

- [What Happened to My Registry Variables?](#)
- [How Do I Obtain Log Files Generated by the Migration Assessment Tool?](#)
- [How Do I Avoid Errors While Generating the Assessment Report?](#)
- [How Do I Deal with java.lang.OutOfMemoryError?](#)

What Happened to My Registry Variables?

The tool set migrates only those registry variables that exist in the Foglight® 4 WORLD domain. Any registry variables that exist in other domains, such as REPORTS, are not migrated to Foglight 5.9.x.

How Do I Obtain Log Files Generated by the Migration Assessment Tool?

If the migration assessment tool runs into errors, its log files can be found under `<report_home>/../logs`, where `report_home` is the directory in which the tool is installed. The log files contain detailed debug information that may help you diagnose the problem.

How Do I Avoid Errors While Generating the Assessment Report?

In many cases, the migration assessment tool generates errors when the tool encounters an unexpected Foglight® 4 setting. This can be prevented by excluding the DCMs, agents, or hosts that cause the problem. Excluding a component from the report results in information being lost, but in most cases the generated report contains the relevant information, and can be used to evaluate the Foglight 4 environment. The command-line option `-X` allows you to exclude items (DCMs, hosts, or agent instances) from the report. For example:

```
fgl4_report.{bat|sh} -X dcm:DcmName1;dcm:DcmName2;host:HostName1;  
host:HostName2;agentName1;agentName2
```

i | TIP: Multiple items can be separated with colons ';'. Use "dcm:" to specify one or more DCMs, and "host:" for host exclusion.

You can also choose the type of information that you want to collect such as rules, ASPs, or registry information. Use one or more of the following options to specify the items that you want to include in the report. Any items that you do not specify are excluded from the report.

- `-r` collects information about rules
- `-g` collects information about registry
- `-a` collects information about ASPs
- `-m` collects an estimate of the metric usage
- `-p` collects report-related information
- `-s` collects schema-related information

For syntax information, see [Looking at the Command-Line Syntax](#) on page 14.

For example, if the tool outputs an exception when generating a report for rules in a DCM called *MyDCM*, then you can complete the following as a workaround:

- 1 Generate the report without *MyDCM*:

```
fgl4_report.bat -X dcm:MyDCM -o output.xml -e report.html
```

- 2 Generate another report for *MyDCM* alone, but exclude the rule information:

The two reports will give you complete information with the exception of rule configuration in *MyDCM*.

How Do I Deal with java.lang.OutOfMemoryError?

The default memory setting for the migration assessment tool may not be sufficient in large environments. To increase the amount of memory available to the tool, you can edit an entry in *fgl4_report.{bat|sh}* file, as described below.

To increase the amount of memory that is available to the assessment tool on Windows®:

- 1 Open *fgl4_report.bat* for editing, and locate the following line:

```
"%JRE%\bin\java" -Dquest.debug=1 -jar "%MIG_JAR%" %*
```

- 2 Edit that line as follows:

```
"%JRE%\bin\java" -Xms1024m -Xmx1024m -Dquest.debug=1 -jar  
"%MIG_JAR%" %*
```

- 3 Save the changes to *fgl4_report.bat*, and run the tool again.

To increase the amount of memory that is available to the assessment tool on UNIX® or Linux®:

- 1 Open *fgl4_report.sh* for editing, and locate the following line:

```
"${JRE}/bin/java" -Dquest.debug=1 $PLATFORM_JAVA_ARGS -jar  
"$MIG_JAR" "$@"
```

- 2 Edit that line as follows:

```
"${JRE}/bin/java" -Xms1024m -Xmx1024m -Dquest.debug=1  
$PLATFORM_JAVA_ARGS -jar "$MIG_JAR" "$@"
```

- 3 Save the changes to *fgl4_report.sh*, and run the tool again.

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