



# vFoglight™ 5.2.4.5

Installing the Virtualization  
Management Capabilities



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Quest Software World Headquarters

LEGAL Dept

5 Polaris Way

Aliso Viejo, CA 92656

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**Installation Guide**  
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# Introduction to this Guide

This chapter provides information about what is contained in the *vFoglight Installation Guide*. It also provides information about the vFoglight documentation suite and Quest Software.

This chapter contains the following sections:

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## About vFoglight

vFoglight helps IT organizations understand the virtual infrastructure by managing the relationships and interaction between all the components in the environment, including data centers, data stores, clusters, resource pools, hosts and virtual machines. With vFoglight, administrators can quickly determine the root-cause of an incident or problem, track virtual machine (VM) movements and understand their impact, and identify contention for resources between virtual machines.

## About this Guide

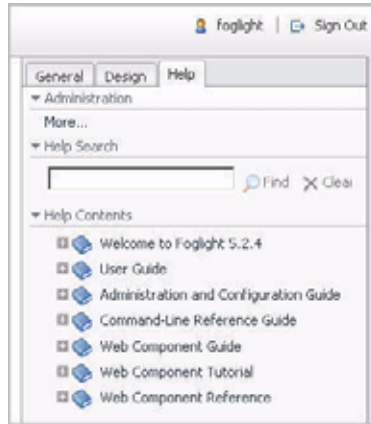
This guide contains the procedures you must follow in order to integrate the Cartridge for VMware with vFoglight.

This guide is intended for any user who wants to install or upgrade the Cartridge for VMware.

## vFoglight Documentation Suite

The vFoglight documentation suite is made up of the core documentation set, plus the documentation set for each vFoglight cartridge that you deploy. Documentation is provided in a combination of online help, PDF and HTML.

- **Online Help:** You can open the online help by selecting the Help tab from vFoglight's action panel.



- **PDF:** The *Getting Started Guide*, *What's New Guide*, *System Requirements and Platform Support Guide*, *Installation and Setup Guide set*, *Administration and Configuration Guide*, *vFoglight User Guide*, *Command-Line Reference Guide*, *Web Component Guide*, and *Web Component Tutorial*, are provided as PDF files. The PDF guides are included in the zip file downloaded from Vizioncore. Adobe® Reader® is required.
- **HTML:** Release Notes are provided in HTML.

## Core Documentation Set

The core documentation set consists of the following files:

- *Release Notes* (HTML)
- *Getting Started Guide* (PDF)
- *What's New Guide* (PDF)
- *System Requirements and Platform Support Guide* (PDF)
- *Installation and Setup Guide set* (all in PDF format):
  - Installation and Setup Guide—*Installing on Windows with an Embedded MySQL Database*
  - Installation and Setup Guide—*Installing on Windows with an External MySQL Database*

- Installation and Setup Guide—*Installing on Windows with an External Oracle Database*
- *Administration and Configuration Guide* (PDF and online help)
- *vFoglight User Guide* (PDF and online help)
- *Advanced Configuration Guide* set
  - *Command-Line Reference Guide* (PDF and online help)
  - *Web Component Guide* (PDF and online help)
  - *Web Component Tutorial* (PDF and online help)
  - *Web Component Reference* (online help)

## Cartridge Documentation Sets

When you deploy a cartridge, the documentation set for the cartridge is installed. The online help for the cartridge is integrated automatically with the core vFoglight help. When you open the help, the name of the cartridge is displayed in a top level entry within the table of contents.

Some cartridges include additional PDF guides, which may be one or more of the following: a *Getting Started Guide*, an *Installation Guide*, a *User Guide*, and a *Reference Guide*.

## Feedback on the Documentation

We are interested in receiving feedback from you about our documentation. For example, did you notice any errors in the documentation? Were any features undocumented? Do you have any suggestions on how we can improve the documentation? All comments are welcome. Please submit your feedback to the following email address:

[info@vizioncore.com](mailto:info@vizioncore.com)

**Please do not submit Technical Support related issues to this email address.**



## Text Conventions

The following table summarizes how text styles are used in this guide:

Convention	Description
Code	Monospace text represents code, code objects, and command-line input. This includes: <ul style="list-style-type: none"><li>• Java language source code and examples of file contents</li><li>• Classes, objects, methods, properties, constants, and events</li><li>• HTML documents, tags, and attributes</li></ul>
<i>Variables</i>	Monospace-plus-italic text represents variable code or command-line objects that are replaced by an actual value or parameter.
<b>Interface</b>	Bold text is used for interface options that you select (such as menu items) as well as keyboard commands.
<i>Files, components, and documents</i>	Italic text is used to highlight the following items: <ul style="list-style-type: none"><li>• Pathnames, file names, and programs</li><li>• The names of other documents referenced in this guide</li></ul>

## About Vizioncore Inc.

Vizioncore was formed in July 2002 as a consulting and software-development company with the mission to create easy-to-use software solutions that performed reliable and repeatable automation of datacenter functions specifically for the Citrix platform. A main corporate goal was to enable business partners to offer solutions that targeted real-world IT issues and provided the best possible installation and automation for their clients' systems.

Vizioncore's solutions have proved successful in organizations from small to mid-sized businesses to large enterprises, in a wide variety of vertical industries, including Financial Services, Government, Healthcare, Manufacturing, and High Tech. Vizioncore, Inc. can be found in offices around the globe and at [www.vizioncore.com](http://www.vizioncore.com).

# Contacting Dell

Note: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

- 1 Visit <http://support.dell.com>.
- 2 Verify your country or region in the Choose A Country/Region drop-down menu at the bottom of the page.
- 3 Click Contact Us on the left side of the page. Note: Toll-free numbers are for use within the country for which they are listed.
- 4 Select the appropriate service or support link based on your need.
- 5 Choose the method of contacting Dell that is convenient for you.

Country (City)	Service Type	Area Codes, Local Numbers, and Toll-Free Numbers Web and E-Mail Addresses
International Access Code Country Code City Code		
Anguilla	Web Address E-Mail Address Technical Support., Customer Service, Sales	<a href="http://www.Dell.com/ai">www.Dell.com/ai</a> <a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a> toll-free: 800-335-0031
Antigua and Barbuda	Web Address E-Mail Address Technical Support., Customer Service, Sales	<a href="http://www.Dell.com.ag">www.Dell.com.ag</a> <a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a> 1-800-805-5924
Aomen	Technical Support Dell™ Dimension™, Dell Inspiron™, Dell Optiplex™, Dell Latitude™, and Dell Precision™ Servers and Storage	0800-105 0800-105
Argentina (Buenos Aires) International Access Code: 00 Country Code: 54 City Code: 11	Web Address E-Mail Address for Desktop/ Portable Computers E-Mail Address for Servers and EMC® Storage Products Customer Service Technical Support Technical Support Services Sales	<a href="http://www.dell.com.ar">www.dell.com.ar</a> <a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a> <a href="mailto:la_enterprise@dell.com">la_enterprise@dell.com</a> toll-free: 0-800-444-0730 toll-free: 0-800-444-0733 toll-free: 0-800-444-0724 0-800-444-3355
Aruba	Web Address E-Mail Address Technical Support., Customer Service, Sales	<a href="http://www.Dell.com/aw">www.Dell.com/aw</a> <a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a> toll-free: 800-1578
Australia (Sydney) International Access Code: 0011 Country Code: 61 City Code: 2	Web Address Contact Dell Web Address Technical Support., Customer Service, Sales	<a href="http://support.ap.dell.com">support.ap.dell.com</a> <a href="http://support.ap.dell.com/contactus">support.ap.dell.com/contactus</a> 13DELL-133355

Austria (Vienna)	Web Address	Support.euro.dell.com
International Access Code: 900 Country Code: 43 City Code: 1	E-Mail Address	<a href="mailto:Tech_support_central_europe@dell.com">Tech_support_central_europe@dell.com</a>
	Home/Small Business Sales	0820 240 530 00
	Home/Small Business Fax	0820 240 530 49
	Home/Small Business Customer Service	0820 240 530 14
	Home/Small Business Support	0820 240 530 17
	Preferred Accounts/Corporate Customer	0820 240 530 16
	Service Preferred Accounts/Corporate Customer	0820 240 530 17
	Switchboard	0820 240 530 00
Bahamas	Web Address	<a href="http://www.dell.com/bs">www.dell.com/bs</a>
	E-Mail Address	<a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a>
	Technical Support., Customer Service, Sales	toll-free: 1-866-874-3038
Barbados	Web Address	<a href="http://www.dell.com/bb">www.dell.com/bb</a>
	E-Mail Address	<a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a>
	Technical Support., Customer Service, Sales	1-800-534-3142
Belgium (Brussels)	Web Address	Support.euro.dell.com
	General Support	02 481 92 88
	General Support Fax	02 481 92 95
	Customer Service	02 713 15 65
	Corporate Sales	02 481 91 00
	Fax	02 481 91 99
	Switchboard	02 481 91 00
Bolivia	Web Address	<a href="http://www.dell.com/bo">www.dell.com/bo</a>
	E-Mail Address	<a href="mailto:la_techsupport@dell.com">la_techsupport@dell.com</a>
	Technical Support., Customer Service, Sales	toll-free: 800-10-0238
Brazil	Web Address	<a href="http://www.dell.com/br">www.dell.com/br</a>
	E-Mail Address	<a href="mailto:BR_TechSupport@dell.com">BR_TechSupport@dell.com</a>
	Customer Service and Tech Support	0800 970 3355
	Technical Support Fax	51 2104 5470
	Customer Service Fax	51 2104 5480
	Sales	0800 722 3498
British Virgin Islands	Technical Support, Customer Service, Sales	toll-free: 1-866-278-6820
Brunei	Technical Support (Penang, Malaysia)	604 633 4966
	Customer Service (Penang, Malaysia)	604 633 4888
	Transaction Sales (Penang, Malaysia)	604 633 4955
Canada (North York, Ontario)	Online Order Status Web Address	<a href="http://www.dell.ca/ostatus">www.dell.ca/ostatus</a>
	AutoTech (automated Hardware and Warranty Support)	support.ca.dell.com
	Customer Service	toll-free:1-800-247-9362
	Home/Home Office	toll-free:1-800-847-4096
	Small Business	toll-free:1-800-906-3355
	Medium/Large Business, Government, Education	toll-free:1-800-387-5757
	Hardware Warranty Phone Support	
	Computers for Home/Home Office	toll-free:1-800-847-4096
	Computers for Small/Medium/Large Business	toll-free:1-800-387-5757
	Government	
	Printers, Projectors, Televisions, Handheld, Digital	1-877-335-5767
	Jukebox, and Wireless Sales	toll-free:1-800-999-3355
	Home and Home Office Sales	toll-free:1-800-387-5752
	Small Business	toll-free:1-800-387-5755
	Medium/Large Business, Government	1 866 440 3355
	Spare Parts and Extended Service	
Cayman Islands	E-Mail Address	<a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a>
	Technical Support, Customer Service, Sales	1-877-262-5415

Chile (Santiago)	Web Address	<a href="http://www.dell.com/cl">www.dell.com/cl</a>
Country Code: 56	E-Mail Address	<a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a>
City Code: 2	Sales and Customer Support	toll-free: 1230-020-4823
China (Xiamen)	Technical Support Web Address	support.dell.com.cn
Country Code: 86	Technical Support E-Mail Address	support.dell.com.cn/email
City Code: 592	Customer Service E-Mail Address	<a href="mailto:customer_cn@dell.com">customer_cn@dell.com</a>
	Technical Support Fax	592 818 14350
	Technical Support – Dimension and Inspiron	toll-free: 800 858 2969
	Technical Support – OptiPlex, Latitude and Dell Precision	toll-free: 800 858 0950
	Technical Support – Servers and Storage	toll-free: 800 858 0960
	Technical Support – Projectors, PDAs, Switches, Routers, etc	toll-free: 800 858 2920
	Technical Support – Printers	toll-free: 800 858 2311
	Customer Service	toll-free: 800 858 2060
	Customer Service Fax	592 818 1308
	Home and Small Business	toll-free: 800 858 2222
	Preferred Accounts Division	toll-free: 800 858 2557
	Large Corporate Accounts GCP	toll-free: 800 858 2055
	Large Corporate Accounts Key Accounts	toll-free: 800 858 2628
	Large Corporate Accounts North	toll-free: 800 858 2999
	Large Corporate Accounts North Government and Education	toll-free: 800 858 2955
	Large Corporate Accounts East	toll-free: 800 858 2020
	Large Corporate Accounts East Government and Education	toll-free: 800 858 2669
	Large Corporate Accounts Queue Team	toll-free: 800 858 2572
	Large Corporate Accounts South	toll-free: 800 858 2355
	Large Corporate Accounts West	toll-free: 800 858 2811
	Large Corporate Accounts Spare Parts	toll-free: 800 858 2621
Columbia	Web Address	<a href="http://www.dell.com/co">www.dell.com/co</a>
	E-Mail Address	<a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a>
	Technical Support, Customer Service, Sales	01-800-915-4755
Costa Rica	Web Address	<a href="http://www.dell.com/cr">www.dell.com/cr</a>
	E-Mail Address	<a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a>
	Technical Support, Customer Service, Sales	0800-012-0231
Czech Republic (Prague)	Web Address	support.euro.dell.com
International Access	E-Mail Address	<a href="mailto:czech_dell@dell.com">czech_dell@dell.com</a>
Code: 00	Technical Support	22537 2727
Country Code: 420	Customer Service	22537 2707
	Fax	22537 2714
	Technical Fax	22537 2728
	Switchboard	22537 2711
Denmark (Copenhagen)	Web Address	Support.euro.dell.com
International Access	Technical Support	7023 0182
Code: 00	Customer Service – Relational	7023 0184
Country Code: 45	Home/Small Business Customer Service	3287 5505
	Switchboard – Relational	3287 1200
	Switchboard Fax – Relational	3287 1201
	Switchboard – Home/Small Business	3287 5000
	Switchboard Fax – Home/Small Business	3287 5001
Dominica	Web Address	<a href="http://www.dell.com/dm">www.dell.com/dm</a>
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	Technical Support, Customer Service, Sales	toll-free: 1-866-278-6821

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	Technical Support, Customer Service, Sales	1-800-156-1588
Ecuador	Web Address	<a href="http://www.dell.com/ec">www.dell.com/ec</a>
	E-Mail Address	<a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a>
	Technical Support, Customer Service, Sales (Calling from Quito)	toll-free: 999-119-877-655-3355
	Technical Support, Customer Service, Sales (Calling from Guayaquil)	toll-free: 1800-999-119-877-655-3355
El Salvador	Web Address	<a href="http://www.dell.com/sv">www.dell.com/sv</a>
	E-Mail Address	<a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a>
	Technical Support, Customer Service, Sales	800-6132
Finland (Helsinki)	Web Address	<a href="http://support@euro.dell.com">support@euro.dell.com</a>
International Access Code: 990 Country Code: 358 City Code: 9	E-Mail Address	<a href="mailto:fi_support@dell.com">fi_support@dell.com</a>
	Technical Support	0207 533 555
	Customer Service	0207 533 538
	Switchboard	0207 533 533
	Sales under 500 employees	0207 533 540
	Fax	0207 533 530
	Sales over 500 employees	0207 533 533
	Fax	0207 533 530
France (Paris) (Montpellier) International Access Code: 00 Country Code: 33 City Codes: (1) (4)	Web Address	Support.euro.dell.com
	Home and Small Business	
	Technical Support	0825 387 270
	Customer Service	0825 832 833
	Switchboard	0825 004 700
	Switchboard (calls from outside of France)	04 99 75 40 00
	Sales	0825 004 700
	Fax	0825 004 701
	Fax (calls from outside of France)	04 99 75 40 01
	Corporate	
	Technical Support	0825 004 719
	Customer Service	0825 338 339
	Switchboard	55 94 71 00
	Sales	01 55 94 71 00
Germany (Frankfurt)	Web Address	support.euro.dell.com
	E-mail Address	<a href="mailto:tech_support_central_europe@dell.com">tech_support_central_europe@dell.com</a>
	Technical Support	069 9792-7200
	Home/Small Business Customer Service	0180-5-224400
	Global Segment Customer Service	069 9792-7320
	Preferred Accounts Customer Service	069 9792-7320
	Large Accounts Customer Service	069 9792-7320
	Public Accounts Customer Service	069 9792-7320
Greece	Switchboard	069 9792-7000
	Web Address	Support.euro.dell.com
	Technical Support	00800-44 14 95 18
	Gold Service Technical Support	00800-44 14 00 83
	Switchboard	2108129810
	Gold Service Switchboard	2108129811
	Sales	2108129800
	Fax	2108129812
Grenada	Web Address	<a href="http://www.dell.com/gd">www.dell.com/gd</a>
	E-Mail Address	<a href="mailto:la-techsuppo@dell.com">la-techsuppo@dell.com</a>
	Technical Support, Customer Service, Sales	toll-free: 1-866-540-3355

Guatemala	Web Address	<a href="http://www.dell.com/gt">www.dell.com/gt</a>
	E-Mail Address	<a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a>
	Technical Support, Customer Service, Sales	1-800-999-0136
Guyana	E-Mail Address	<a href="mailto:la-techsupport@dell.com">la-techsupport@dell.com</a>
	Technical Support, Customer Service, Sales	toll-free: 1-877-270-4609
Hong Kong	Web Address	<a href="http://support.ap.dell.com">support.ap.dell.com</a>
International Access Code: 001 Country Code: 852	Technical Support E-mail Address	<a href="mailto:support.dell.com.cn/email">support.dell.com.cn/email</a>
	Technical Support - Dimension and Inspiron	00852-2969 3188
	Technical Support - OptiPlex, Latitude, and Dell Precision	00852-2969 3191
	Technical Support - Servers and Storage	00852-2969 3196
	Technical Support - Projectors, PDAs, Switches, Routers, etc .	00852-3416 0906
	Customer Service	00852-3416 0910
	Large Corporate Accounts	00852-3416 0907
	Global Customer Programs	00852-3416 0908
	Medium Business Division	00852-3416 0912
	Home and Small Business Division	00852-2969 3105
India	Dell Support Website	<a href="http://support.ap.dell.com">support.ap.dell.com</a>
<b>Portable and Desktop Support</b>		
	Desktop Support E-mail Address	<a href="mailto:india_support_desktop@dell.com">india_support_desktop@dell.com</a>
	Portable Support E-mail Address	<a href="mailto:india_support_notebook@dell.com">india_support_notebook@dell.com</a>
	Phone Numbers	080-25068032 or 080-25068034 or your city STD code + 60003355 or toll-free: 1-800-425-8045
<b>Server Support</b>		
	E-mail Address	<a href="mailto:india_support_Server@dell.com">india_support_Server@dell.com</a>
	Phone Numbers	080-25068032 or 080-25068034 or your city STD code + 60003355 or toll-free: 1-800-425-8045
<b>Gold Support Only</b>		
	E-mail Address	<a href="mailto:eec_ap@dell.com">eec_ap@dell.com</a>
	Phone Numbers	080-25068033 or your city STD code + 60003355 or toll-free: 1-800-425-9045
<b>Customer Service</b>		
	Home and Small Business	<a href="mailto:India_care_HSB@dell.com">India_care_HSB@dell.com</a> toll-free : 1800-4254051
	Large Corporate Accounts	<a href="mailto:India_care_REL@dell.com">India_care_REL@dell.com</a> toll free : 1800-4252067
<b>Sales</b>		
	Large Corporate Accounts	1600 33 8044
	Home and Small Business	1600 33 8046

Ireland (Cherrywood)	Web Address	Support.euro.dell.com
International Access Code: 00	<b>Technical Support</b>	
Country Code: 353	E-mail Address	<a href="mailto:dell_direct_support@dell.com">dell_direct_support@dell.com</a>
City Code: 1	Business computers	1850 543 543
	Home computers	1850 543 543
	At Home Support	1850 200 889
	<b>Sales</b>	
	Home	1850 333 200
	Small Business	1850 664 656
	Medium Business	1850 200 646
	Large Business	1850 200 646
	E-mail Address	<a href="mailto:Dell_IRL_Outlet@dell.com">Dell_IRL_Outlet@dell.com</a>
	<b>Customer Service</b>	
	Home and Small Business	204 4014
	Business (greater than 200 employees)	1850 200 982
	<b>General</b>	
	Fax/Sales fax	204 0103
	Switchboard	204 4444
	U.K. Customer Service (dealing with U.K. only)	0870 906 0010
	Corporate Customer Service (dial within U.K. only)	0870 907 4499
	U.K. Sales (dial within U.K. only)	0870 907 4000
Italy (Milan)	Web Address	Support.euro.dell.com
International Access Code: 00	<b>Home and Small Business</b>	
Country Code: 39	Technical Support	02 577 826 90
City Code: 02	Customer Service	02 696 821 14
	Fax	02 696 821 13
	Switchboard	02 696 821 12
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	Relational Sales	020 674 50 00
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	Relational Sales Fax	020 674 47 50
	Switchboard	020 674 50 00
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# Installation and Upgrade

This chapter takes you through the installation for the Cartridge for VMware.

The chapter contains the following sections:

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<a href="#">Installation and Setup</a> .....	25
<a href="#">Upgrading the Cartridge for VMware</a> .....	31

## Requirements and Compatibility

The following are the requirements to successfully integrate the Cartridge for VMware into vFoglight.

### vFoglight

The vFoglight Management Server version 5.2.4 is required.

Before installing the cartridge, ensure that your vFoglight Management Server is properly installed and configured. For information on how to install and configure the vFoglight Management Server, please refer to the *vFoglight Installation and Setup Guide* and the *vFoglight Administration and Configuration Guide*.

vFoglight 5.2.4 licenses include the use of the VMware Cartridge. Therefore, all of the required cartridge components are already located on the vFoglight Management Server.

### VirtualCenter Server

VirtualCenter (VCMS) 2.0.x or 2.5.x, for use with ESX Server(s), must be installed to successfully integrate the Cartridge for VMware. The Cartridge for VMware is not compatible with the VirtualCenter for VMware Server.

### Agent Components

The machine on which you install the agent components must be running Windows XP or Windows 2003 and must have the Microsoft .NET Framework 2.0 installed. The .NET Framework is available through Windows Updates or through Microsoft.com.

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**Note** The agent components can be run on the VirtualCenter Server machine with minimal overhead.

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# Installation and Setup

In order for VMware Cartridge collected data to appear on the vFoglight GUI, you must first:

- 1 Install the VMware Cartridge on the vFoglight Management Server.
- 2 Enable the VMware Cartridge on the vFoglight Management Server.
- 3 Install the VMware Cartridge agent components.
- 4 Configure the VMware Cartridge agent components.

## Installing the VMware Cartridge

*To install the cartridge:*

- 1 In the navigation panel of vFoglight, navigate to **Dashboards > Administration > Cartridges > Cartridge Inventory**.

- 2 Click **Cartridge Inventory**.

The Cartridge Inventory page appears in the display panel.

- 3 At the top of the page, in the Install Cartridge area, type the path and filename (*Virtual-VMware-5\_2\_4\_5.car*) for the VMware Cartridge.
  - Type the path in the **File on Local Computer** field if you want to upload the *.car* file from your local computer to the vFoglight Management Server. Alternatively, you can click the **Browse** button to navigate to the *.car* file on your local computer.
  - Type the path in the **File on Server** field if you want to install the *.car* file from a directory on the machine hosting the vFoglight Management Server.
- 4 If you clicked **Browse**, click **OK** in the file chooser when you have found and selected the *.car* file you want to install.
- 5 If you would like the cartridge to be enabled when it is installed, leave the **Enable on install** check box selected.

If you would like to enable the cartridge sometime after installation, deselect this check box.

- 6 Click **Install Cartridge**.

If the installation is successful, the message *Cartridge has been installed successfully* appears in the Install Cartridge area and Virtual-VMware is listed in the Cartridge Inventory table.

If **Enable on install** was not selected (see [step 5](#) above), a caution symbol appears in the Virtual-VMware row in the Cartridge Inventory table.

## Enabling the VMware Cartridge

Enabling a cartridge completes the process of adding it to vFoglight and makes its components available for use.

The following procedure should be performed only if you did not enable your cartridge during the installation process, as outlined in [step 5](#) of the [Installing the VMware Cartridge](#) procedure.

*To enable the cartridge:*

- 1 In the navigation panel of vFoglight, navigate to **Dashboards > Administration > Cartridges > Cartridge Inventory**.
- 2 Click **Cartridge Inventory**.  
The Cartridge Inventory page appears in the display panel.
- 3 In the Cartridge Inventory table, click the row that corresponds to the VMware Cartridge.  
The row becomes highlighted.
- 4 Click the **Enable Selected** button at the bottom of the page.  
The Cartridge Confirmation dialog appears.
- 5 To enable the cartridge, click **OK**.

When the cartridge is enabled successfully, a success message appears below the Cartridge Inventory table and an Enabled status icon appears in the Virtual-VMware row.

## Installing the VMware Cartridge Agent Components

There are two VMware Cartridge agent components:

- The vFoglight VMware Collector collects data from a VMware VirtualCenter for use by vFoglight.
- The vFoglight VMware Connector transfers data from the vFoglight VMware Collector to vFoglight.

You need to install these agent components so that data gets collected and passed to vFoglight for viewing and monitoring.

As long as the integration requirements are met, the agent components can be installed on:

- the vFoglight Management Server
- the VirtualCenter (VCMS)
- another machine running Windows XP or Windows 2003 that is able to communicate with the vFoglight Management Server and the VirtualCenter (VCMS)

*To install the agent components:*

- 1 Using the machine on which you want to install the agent components, open a browser and log into vFoglight.
- 2 In the navigation panel of vFoglight, navigate to **Dashboards > Administration > Cartridges > Components for Download**.
- 3 Click **Components for Download**.

The Components for Download page appears in the display panel.

- 4 Click **Virtual VMware Agent**.

You are given the option to either run the agent installer or download and save it to your local computer so that you can run it at another time.

- 5 Run the agent installer from the prompt, or save it to your local machine and run it from there.

The agent installer installs the agent components on your C: drive automatically and prompts you to configure them once the installation is complete.

## Configuring the VMware Cartridge Agent Components

After the agent components are installed, you are prompted to configure them.

The vFoglight VMware Collector configuration screen appears.

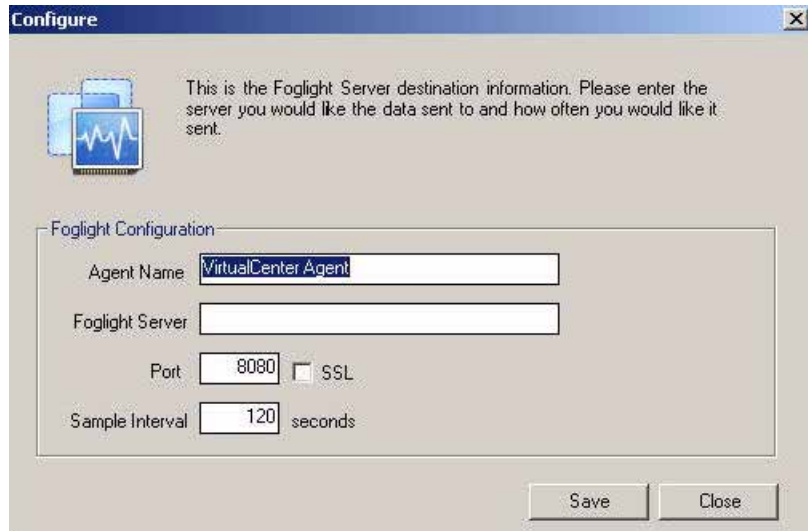


The screenshot shows a Windows-style configuration window titled "FoglightAgent::Configuration". The main heading is "Enter Your VirtualCenter Authentication Information". Below the heading, there is a paragraph of instructions: "Enter the authentication information for your VirtualCenter server. Fully qualified DNS name or IP address (ex. myvcserver.mydomain.int), your username (foglight or domain\foglight), and the password for the specified user are required." To the right of the text is a yellow padlock icon with a green checkmark. Below the text is a section titled "VirtualCenter Information" containing three input fields: "VirtualCenter Server DNS or IP", "Username", and "Password". At the bottom right of the window are two buttons: "Save" and "Close".

*To configure the vFoglight VMware Collector:*

- 1 In the vFoglight VMware Collector configuration screen, enter the VirtualCenter Server name or IP Address.
- 2 In the same screen, enter VirtualCenter Server Username and Password credentials that will provide you with access to the VMware Virtual Infrastructure Client.
- 3 Click **Save** to have your entries validated.

The vFoglight VMware Connector configuration screen appears.



*To configure the vFoglight VMware Connector:*

- 1 In the vFoglight VMware Connector configuration screen, enter the agent name as you want it to be displayed in vFoglight.  
**Note** If you have more than one agent collecting, make sure each agent name is unique.
- 2 Enter the vFoglight Server name or IP Address.
- 3 Enter the port number of the port that the vFoglight Server uses for HTTP traffic. The default is 8080.
- 4 If this port requires SSL, check the SSL check box.
- 5 Enter a Sample Interval time in seconds. The sample interval determines how often data is sent to vFoglight.

The default value is 120 seconds. If you enter a lower interval, you could encounter performance problems while gaining little or nothing in terms of the quality of your data. If you enter a number that is too high, you may not receive data often enough for it to be of much value.

- 6 Click **Save** to have your entries validated.

The services of the agent components start automatically after the installation is complete.

For more information about agent configuration properties, refer to the *vFoglight Administration and Configuration Guide*.

## Reconfiguring the Agent Components after Installation

Either agent component can be reconfigured after installation.

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**Caution** Always stop an agent before you reconfigure it.

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*To reconfigure one of the agent components:*

- 1 Open a command prompt.
- 2 Change to the installation directory (C:\Program Files\Quest Software\VirtualAgent).
- 3 To configure the vFoglight VMware Collector, type:  
`vFoglightAgent.Service.exe /configure`

or

To configure the vFoglight VMware Connector, type:  
`VirtualAgent.exe /configure`

For more information about reconfiguring agents after initial installation, refer to the *vFoglight Administration and Configuration Guide*.

## Upgrading the Cartridge for VMware

The latest version of the Cartridge for VMware is 5.2.4.5.

To upgrade the Cartridge for VMware, just install version 5.2.4.5 as you would a new Cartridge for VMware. Install version 5.2.4.5 over top of your earlier version. Do not delete the earlier version of the *.car* file. Refer to “[Installation and Setup](#)” on page 25 for the installation procedure.

To deploy the new Cartridge for VMware agents, you must uninstall the version 5.2, 5.2.1, 5.2.1.5, 5.2.2, 5.2.3.5, or 5.2.4 agents first. Deploying new Cartridge for VMware agents is also described in “[Installation and Setup](#)” on page 25.

