



Foglight for Virtualization Enterprise Edition 8.4 Administration Training

Description

This course covers how to configure Foglight for Virtualization Enterprise Edition (FVE), and then use the most popular features to monitor and manage virtual environments.

Intended Audience: Students who want to configure and monitor with FVE.

Learning Objectives

During this course, the following topics will be covered:

- Discussing FVE New Features
- Configuring the Infrastructure Agent cartridge
- Navigating the user interface, including the VMware Environment dashboards including Optimizer
- Navigating and query FVE models for data
- Working with rules, alarms, services, dashboards, reports, automation, and configure specific monitoring cartridges
- Introducing FVE monitoring of these environments:
 - Hyper-V
 - Exchange
 - VMware Optimizer
 - Active Directory
 - Foglight Storage Manager 4.1
 - SQL Server
 - VMware vCloud Director
 - OpenStack
 - VMware View
 - XenDesktop/XenApp
 - Quest OpenManage Essentials

Training Delivery & Duration

Students complete this course through virtual instructor-led training that includes lecture, labs, and video demonstrations.

Duration: 2 days (6 hours/day)

Topics

Day 1

Lesson 1 – FVE Overview

- Give a high level architectural overview of FVE
- Talk about FVE features (dashboards, rules, reports etc.)
- Discuss FVE New Features

Lesson 2 – UI Navigation

- Define basic user interface terms for FVE
- Identify the different areas of the Navigation Panel
- Create bookmarks
- Navigate the VMware Explorer Topology

- Identify the purpose of the contents in the Action Panel
- Identify and use different methods to change the time range in dashboards

Lesson 3 – Introduction to Model Based Monitoring

- Understand data models
- Understand how data models relate to dashboards

Lesson 4 – Alarms

- Identify the contents of the tabs in the Alarm List
- Identify different dashboards where alarms appear
- Understand the options for filtering the alarm list
- Use the available tools to manage alarms in the list
- Use the available options to investigate an alarm
- Add notes to an alarm

Lesson 5 – Building Services

- Explain FVE services and how they work
- Explain the difference between services and groupings
- Build groupings and service models
- Customize the SOC

Lesson 6 – Building Dashboards

- Custom dashboard creation
- Custom dashboard creation with parameterized inputs

Lesson 7 – Building Reports

- Identify the uses for the two different reporting dashboards
- Create a scheduled report job
- Manage a scheduled report job
- Create a one-time report
- Custom report creation with parameterized inputs
- View reports

Lesson 8 – Capacity Management

- Discuss capacity management concepts
- Use the Scenario Modeler to determine projected ESX host resource requirements
- Run capacity management trending reports
- Use the VMware vmModeler

Lesson 9 – Change Analyzer

- Change Analyzer Overview
- Change Analyzer Features

Day 2

Lesson 10 – Installing an External Agent Manager

- Comparing the Embedded vs. External Agent Manager
- Calculating Memory Requirements for the VMware Agent
- Installing an External Agent Manager

Lesson 11 – Installing the VMware Performance Agent

- Install and configure the VMware agent and understand its function

Lesson 12 – Infrastructure Agent

- Configure the Infrastructure Agent for monitoring a physical or virtual host

Lesson 13 – Administration Dashboard

- Manage licenses
- Manage cartridges
- Configure email
- Configure Users
- Configure Password policies
- Configure Groups
- Configure Roles
- Configure User session settings

Lesson 14 – Rules and Registry Variables

- Create and edit rules
- How to work with registry variables

Lesson 15 – Chargeback

- The value of using chargeback in an organization
- Describing the chargeback models
- Configuring the chargeback models
- Running chargeback reports

Lesson 16 – Additional Monitoring

- Hyper-V monitoring
- VMware Optimizer
- Foglight Storage Manager 4.1
- VMware vCloud Director monitoring
- VMware View monitoring
- Exchange monitoring
- Active Directory monitoring
- SQL Server monitoring
- OpenStack monitoring
- XenDesktop/XenApp Monitoring

Appendices (reference only, not taught in class)

Appendix A – Installing FVE with an external SQL server database

- Installing FVE on a Windows server with an external SQL Server database
- Software Requirements
- Platform Requirements
- Hardware Recommendations
- FVE Download Steps
- FVE Installation Steps
- Upgrading FVE

Appendix B – Troubleshooting and Performance Tuning

- Type of Installer and size of environment it supports
- Virtual vs. physical
- Not enough CPUs or too many CPUs?
- Memory allocation
- Where to find my Log file?
- No collection or gray spinner?
- How to read a support bundle
- Performance troubleshooting tips

Appendix C – Using FVE to Monitor Hyper-V

Appendix D – Users and Security

- Directory services

Appendix E – Administration Course Videos

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Prerequisites and assumptions

A student attending this course should have:

- A background in virtualization
- A background in monitoring or diagnostic tools (e.g., VMware vCenter)

Additional notes

For more information, contact your Account Manager -OR- email training@Quest.com