Overview

This 2-day instructor-led course provides a detailed overview on how to install, configure, and manage OpenManage Essentials (OME). Students will learn how to use OpenManage Essentials to discover inventory, monitor PowerEdge servers, and manage remote tasks.

Students will also learn features of Dell’s Repository Manager, License Manager, and Dell SupportAssist automated support software tool. This course includes 60% hands-on lab exercises to reinforce learning objectives.

Course Objectives

Upon completion of this course, you will be able to:

- Understand the features of OpenManage Essentials
- Install, configure, and manage OpenManage Essentials
- Discover, inventory, and monitor the health of remote systems
- Perform system updates and remote tasks
- Push tasks and updates to remote servers
- Understand the role of Dell Repository Manager, Dell License Manager and Dell Support Assist

Audience

IT Professionals and System Administrators who has responsibility for installing, configuring, monitoring and maintaining Dell PowerEdge servers.

Course Outline

Module 1: Dell Systems Management

- Introduction to systems management
- Total cost of ownership
- Systems management components
- Access and configure the System Setup Utility
- Dell Agents and Consoles
  - OpenManage Server Administrator (OMSA)
  - iDRAC Service Module (ISM)
  - OpenManage Essentials (OME)

Module 2: OpenManage Essentials (OME) 2.0

- Introduction to OME 2.0
- OME 2.0 key features
- Minimum hardware and software requirements
- Overview of OME components
- Installing OME and protocols

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Module 3: OpenManage Essentials (OME) Configuration and Tasks
- Launch OME and Home Portal
- Navigate and customize Home Portal
- Schedule and map view
- Manage devices and navigation
- Node symbols
- View the device inventory details
- Hardware alerts and configure alert actions
- Discovering devices
- Manage remote updates
- Configure and launch remote tasks
- Deploy device configurations
- Configure and view reports and log entries

Module 4: Bundled Applications
- Installing bundled applications
- Dell Repository Manager (DRM)
  - Dell Repository Manager features
  - Launching Dell Repository Manager
  - Creating source repositories
  - Creating a repository using the OME inventory
  - Compliant and non-compliant systems
  - Issues and resolution management
- Dell Licence Manager (DLM)
  - Features
  - User interface
  - Viewing inventoried systems
  - Managing and deploying licenses
- Dell SupportAssist
  - Overview and Features
  - Dell SupportAssist alerts
  - Performing a connectivity test

Summary and Assessment
- Course Summary
- Final course assessment

Hands-On Lab Exercises

OpenManage Essentials Installation
- Install OpenManage Essentials
- Understand and configure protocols
- Discover and configure device protocols such as WS-MAN, SNMP, and setting trap destinations

OpenManage Essentials
- Access and navigate the OME Home Portal screen
- OME discovery process
- Add discovery IP addresses, ranges, and create discovery groups
- Create and run remote tasks
  - Create and run power tasks
  - Deploy and install applications on remote systems for OpenManage Server Administrator (OMSA) and iDRAC Services Model (iSM)
- Create and configure alerts
- Customize and create OME reports
- Add custom URLs to the OME Home Portal
- Create, view, and deploy device templates
- Configure iDRAC alert actions

Bundled Applications
- Install Dell Repository Manager (DRM) and Dell License Manager (DLM)
- Dell Repository Manager (DRM)
  - Configure DRM
  - Create custom repositories
  - Manage repositories
  - Import OME inventory information
  - Deploying repositories
  - Compare repository and server firmware versions
- Dell License Manager (DLM)
  - Discovering licensed systems
  - Export and delete licenses from remote systems
  - Deploying licenses