Administration for HP OpenView Operations 8.0 on UNIX
Course Summary

Description

This course will teach you to configure OVO, set up consoles, launch and associate management tools, create and enhance policies, set up and administrate operators, and perform OVO troubleshooting. After completing the course, you will successfully be able to use the functions of the management server and agent, operator workspace, message groups, actions, Java GUI, managed node groups and message groups, and integrated OpenView Operations applications.

Objectives
At the end of this course, students will be able to:

- Use the functions of the management server and agent, operator workspace, message groups, actions, Java GUI, managed node groups and message groups, and integrated OpenView Operations applications.

Topics

- HP OpenView Network Node Manager Review
- HP OpenView Operations Architecture
- HP OpenView Operations Basic Agent Functionality
- HP OpenView Operations Operator Skills
- HP OpenView Operations Java GUI
- HP OpenView Operations Installation
- HP OpenView Operations Administrator Skills
- HP OpenView Operations User Administration
- HP OpenView Operations Template Administration
- HP OpenView Operations opcmsg Templates
- HP OpenView Operations Logfile Templates
- HP OpenView Operations SNMP Templates

- HP OpenView Operations Monitor Templates
- HP OpenView Operations Actions
- HP OpenView Operations Server Administration
- HP OpenView Operations Agent Administration
- HP OpenView Operations ECS Administration
- HP OpenView Operations Database Administration
- HP OpenView Operations Patching/Troubleshooting
- HP OpenView Product Suite

Audience

This course is for students who are network and system administrators and other users planning to set up, configure, and administer HP OpenView Operations 8.0 (UNIX).

Prerequisites

Students should have experience with HP-UX or Sun Solaris administration and security experience. • Basic understanding of TCP/IP based networks and network devices.

Duration

Four days

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Course Outline

I. HP OpenView Network Node Manager Review
- A. HP OpenView IP Topology Hierarchy
- B. IP Discovery & Layout
- C. SNMP Agents
- D. SNMP MIBs
- E. SNMP Traps
- F. Remote Consoles
- G. Remote Management
- H. NNM Collection Stations
- I. NNM Main Windows
- J. NNM Web Interface
- K. NNM Data Warehousing
- L. NNM Reporting
- M. NNM Integration with OpenView Operations

II. HP OpenView Operations Architecture
- A. HP OpenView Operations Architectural Structure
- B. Open Agent Overview
- C. Global Architecture
- D. Managed Node Interactions
- E. Management Server Interactions
- F. Java GUI Display Options
- G. Motif GUI Display Options
- H. Java GUI vs. Motif GUI
- I. Managed Node Types
- J. DCE

III. HP OpenView Operations Basic Agent Functionality
- A. Open Agent Functionality
- B. Embedded Performance Component
- C. EPC Status, Stop, & Start
- D. SNMP Agents
- E. SNMP MIBs
- F. SNMP Traps
- G. DCE & RPC

IV. HP OpenView Operations Operator Skills
- A. Introduction to Operator Skills
- B. Accessing OVO
- C. Operators and Administrators
- D. Using Help in OVO

- E. OVO Operator Main Windows
- F. Managed Nodes Window
- G. Message Groups Window
- H. Application Desktop
- I. Message Browser
- J. Message Browser Layout
- K. Message Details
- L. Message Filtering
- M. Types of Actions
- N. Instructions vs. Annotations
- O. Operator Reports
- P. Problem Resolution Model

V. HP OpenView Operations Java GUI
- A. Introduction to Java-Based GUI
- B. V.7.X Added Features
- C. Java-Based GUI Installation
- D. OVO Java GUI Tour
- E. Message Browser Pane
- F. Object Pane
- G. Workspace Pane
- H. Menubar Options
- I. View Menu
- J. Actions Menu
- K. Windows & Help Menus
- L. Toolbar Menu
- M. Message Properties
- N. Message Filtering
- O. Application Execution
- P. Extended Message Variables

VI. HP OpenView Operations Installation
- A. OVO Installation Process
- B. Hardware and Software Requirements
- C. Install Oracle Database
- D. Install OVO Binaries
- E. Configure OVO and Oracle
- F. Licensing
- G. Complete the Installation

VII. HP OpenView Operations Administrator Skills
- A. OVO Administrator
- B. Node Bank
- C. Add Node
- D. Node Hierarchy Bank

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Course Outline (cont'd)

E. Node Group Bank
F. Message Group Bank
G. Application Bank
H. Add ITO Application
I. Add OV Application
J. Add OV Service
K. Add Internal Application
L. User Bank
M. User Profile Bank
N. Message Templates
O. Message Browser Window
P. Administrator Reports

VIII. HP OpenView Operations User Administration
A. Types of OVO Users
B. Creating Operators
C. Operator Responsibilities
D. Assigning Applications
E. Assigning User Profiles
F. Creating User Profiles
G. Add Template Administrator
H. Deleting Users
I. Informing Operators

IX. HP OpenView Operations Template Administration
A. Template Groups
B. Templates
C. Message Defaults
D. Message Conditions Regular Expressions
E. Pattern Matching
F. Instruction Text
G. Custom Message Attributes
H. How to Configure CMAs in the Motif GUI
I. How to Configure CMAs in the JAVA GUI
J. Advanced Options
K. Message Conditions
L. Assign Templates
M. Distribute Templates
N. opctemplate
O. Message Stream Interface

X. HP OpenView Operations opcmsg Templates
A. opcmsg Templates
B. opcmsg

XI. HP OpenView Operations Logfile Templates
A. Logfile Encapsulator
B. Logfile Templates
C. Logfile Conditions
D. Logfile Message Correlation

XII. HP OpenView Operations SNMP Templates
A. SNMP Traps
B. SNMP Trap Template Window
C. SNMP Trap Template Condition Window
D. SNMP Message Correlation Window
E. Testing SNMP Trap Templates
F. Internet Subtree

XIII. HP OpenView Operations Monitor Templates
A. Threshold Monitors
B. Message Generation With Reset
C. Message Generation Without Reset
D. Continuous Message Generation
E. Monitor Condition
F. Monitor Message Correlation
G. Scripts and Programs
H. Distributing Monitor Templates
I. EPC Monitor Template Configuration
J. EPC Monitor Condition Configuration
K. opcmon

XIV. HP OpenView Operations Actions
A. Actions Programs/Scripts
B. Distributing Actions
C. Automatic vs. Operator Initiated
D. Processing Automatic Actions
E. Processing Operator-Initiated Actions
F. Scheduled Actions

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Course Outline (cont'd)

G. Commands/Scripts Programs
H. Distributing Commands
I. External Notification
J. Add Notification Service
K. Add External Notification for Specific Day/Time
L. Trouble Ticket
M. Message Escalation

XV. HP OpenView Operations Server Administration
A. Server Processes
B. Management Server Processes
C. Configure Management Server
D. Download Configuration Information from the GUI
E. Download Configuration Information from Command Line
F. Upload Configuration Information from Command Line
G. opc_backup and opc_recover
H. ovbackup.ovpl & ovrestore. ovpl
I. Changing IP Address/Hostname on Management Server

XVI. HP OpenView Operations Agent Administration
A. Agent Process
B. opcagt
C. opcragt
D. Install Agents
E. De-Install Agents
F. Changing IP Address/ Hostname on Managed Node
G. opcchgaddr

XVII. HP OpenView Operations ECS Administration
A. ECS Administration
B. Setting Up Event Correlation with OVO
C. ECS on Management Server vs. Managed Node
D. Event Correlation Example

XVIII. HP OpenView Operations Database Administration
A. Database Maintenance
B. opchistdwn and opcauddwn
C. opchistupl and opcaudupl

XIX. HP OpenView Operations Patching/Troubleshooting
A. Patch Instructions
B. itochecker
C. Turning on Filtering for Internal Messages
D. Install Problems
E. Oracle Problems
F. Management Server Problems
G. Agent Problems
H. Tracing
I. Integrating DCE with OVO

XX. HP OpenView Product Suite
A. Introduction to the HP OpenView Product Suite
B. HP OpenView Network Management
C. HP OpenView Systems Management