HL048S: iMC Essentials for Network Administrators

Course Summary

Description

This training course covers the features of HP Intelligent Management Center Software Platform (IMC) version 7. This course will teach a learner how IMC can be used for: Fault Management; Configuration and Change Management; Accounting Management; Performance Management; Security Management in a manner consistent with the OSI Management Framework. In this course learners will get hands on experience using IMC to manage ComWare and ProVision products as well as products from 3rd party vendors like Cisco, Microsoft and VMWare.

Topics

- Designing Your Network Management Architecture
- IMC Technical Design
- IMC Platform
- IMC 7.0: Enhancements and Features
- IMC Initial Access
- Adding Devices
- View Management
- Events and Alarms
- Configuration Management
- VLAN Management
- ACL Management
- Virtualization Management
- Network Traffic Analysis (NTA)
- Performance Management
- Reporting

Audience

- Network Engineers and Administrators
- Network Architects and Consultants

Prerequisites

- Learners should have experience in the networking field to get the most from this training course

Duration

Five days
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Course Outline

I. Designing Your Network Management Architecture
   A. Design Overview
   B. Design Requirements
   C. Network Stakeholders
   D. Wants, Needs, and Desires
   E. Standardization for Implementation
   F. IMC: Single Pane of Glass

II. IMC Technical Design
    A. SNMP
    B. Technical Design Layers
    C. Deployment Models

III. IMC Platform
     A. Cohesive and Comprehensive Management Capabilities
     B. IMC Platform Portfolio
     C. Licensing
     D. IMC Modules
        1. Modules Overview
        2. Application Performance Manager
        3. Network Traffic Analyzer Module
        4. User Access Management Module
        5. Endpoint Admission Defense Module
        6. Service Operation Management Module
        7. User Behavior Module
        8. Wireless Services Manager Module
        9. Virtual Application Networks Connection Manager
       10. Virtual Application Networks Fabric Manager
       11. Virtual Applications Networks SDN Manager
       12. TACACS Authentication Manager
       13. QoS Module
       14. Service Health Manager
       15. Remote Site Manager
       16. MPLS VPN Manager Module
       17. IPSec/VPN Manager Module
       18. Branch Intelligent Management Module
       19. Intelligent Analysis Reporter

E. Pulling the Pieces Together
F. Single Pane-of-Glass Management
G. Module Solution Map
H. Access Control
   1. BYOD
   2. Network Access Control
I. Multi-site Management
J. Dynamic VPN Automation
K. HP Versus Other Vendors

IV. IMC 7.0: Enhancements and Features
    A. System Features
    B. Resource Management
    C. Topology Management
    D. Alarm Management
    E. Configuration Center
    F. Module Updates

V. IMC Initial Access
    A. Installation Process
    B. IMC Processes
    C. Deployment Monitoring Agent
    D. Installing Licenses
    E. Accessing IMC
    F. IMC GUI Overview
    G. Interface Enhancements
    H. IMC Administration

VI. Adding Devices
    A. Device Setup Requirements
    B. Resource Management Templates
    C. Adding Devices
    D. Other Third-party Devices
    E. Other Tasks for New Devices
    F. Wizards: Quick Start
    G. Basic IMC Management Verification

VII. View Management
    A. View Management Default Views
    B. Customized Topologies
    C. Data Center Topologies
    D. Shortcuts (Favorites)
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Course Outline (con’t)

VIII. Events and Alarms
A. Monitoring Overview
B. Alarm Overview
C. Alarm Settings
D. SNMP Trap Management
E. Syslog Management

IX. Configuration Management
A. Configuration Center
B. Basic Device Configuration
C. Compliance Center

X. VLAN Management
A. VLAN Overview
B. VLAN Configuration and Management

XI. ACL Management
A. ACL Overview
B. ACL Configuration
C. ACL Verification

XII. Virtualization Management
A. Virtualization Overview
B. IMC Standards and Policies for Virtualization
C. VCM Preparation
D. VCM Configuration and Verification

XIII. Network Traffic Analysis (NTA)
A. NTA Overview
B. Device Configurations
C. Configure NTA for Traffic Analysis and Auditing
D. Host Session Monitoring
E. Interface Monitoring

XIV. Performance Management
A. Performance Management Overview
B. Port Groups
C. Performance Management Components
D. Real-time Monitor

XV. Reporting
A. Reporting Overview
B. Real-Time Reports
C. Custom Reports
D. Viewing Scheduled Reports