Unified Assurance V6 - Admin Ed 1 LVC

Oracle Communications

DURATION	MODULES	COURSE CODE
5 Days	**15 Lectures**	**—**

Course Overview

Understand how to administer Unified Assurance V6. This course will cover the following topics: Installation Performance Adding Devices Service Management Events Visualization Event Analytics Troubleshooting

What You Will Learn

Unified Assurance Admin Training: Product Overview

- Safe Harbor Statement
- Objectives
- The Challenges
- How UA Addresses These Challenges
- UA Architecture
- UA Internal Components
- High Level Architecture: Data Collection and Normalization
- High Level Architecture: Event and Fault Management
- Event List
- High Level Architecture: Performance
- Performance Management
- High Level Architecture: Topology
- Topology
- Review
- High Level Architecture: Event Analytics
- Event Analytics
- High Level Architecture: Service Management
- Service Management
- High Level Architecture: Automation
- High Level Architecture: Visualization
- Visualization: Kibana
- Visualization: Grafana

- Visualization: Grafana (Cont.)
- Visualization: Device Overview
- Visualization: Service Level
- Final Review
- Recap

Unified Assurance Admin Training: Installation

- Safe Harbor Statement
- Objectives
- Installation Prerequisites
- Installation
- Installation: Setting the Production Environment Flag
- Installation: Troubleshooting Help
- Installing Additional Packages
- Updating UA
- Updating UA (Cont.)
- Common Installation Issues
- UA Un-install
- UA Un-install (Cont.)
- Recap

Unified Assurance Admin Training: Broker and Application Management

- Objectives
- Objectives (Cont.)
- Broker Control Overview
- Broker Control UI
- Broker Control DB Tables
- Config Types
- Services
- Scheduled Jobs
- Servers Interface
- Server Interface (Cont.)
- Logs
- Failover Service States
- BrokerControl Command Line
- UA System Services
- UA System Services (Cont.)
- Recap
- Recap (Cont.)

Unified Assurance Admin Training: AAA Administration

- Objectives
- Authentication
- Authorization

- Authorization (Cont.)
- Authorization (Cont)
- Accounting
- Recap

Unified Assurance Admin Training: Device Discovery

- Objectives
- Objectives (Cont.)
- Device Discovery Overview
- Device Discovery Architecture: Ping Discovery
- Device Discovery Architecture: SNMP / WMI Discovery
- Manual Discovery of Devices
- Device Auto Discovery
- Device Auto Discovery: Inclusion Profiles
- Device Auto Discovery: Inclusion Profiles (Cont.)
- Device Auto Discovery: Exclusion Profiles
- Device SNMP Discovery
- SNMP Access
- SNMP Best Practices
- Device Catalog
- Device Catalog (Cont.)
- Device State
- Modify a Device
- Device Groups
- Device Zones
- Recap
- Recap (Cont.)

Unified Assurance Admin Training: Fault Management

- Objectives
- Objectives (Cont.)
- Fault Overview
- Fault Overview (Cont.)
- What is an Event?
- What is an Event? (Cont.)
- What is an Alarm?
- What is an Alarm? (Cont.)
- What is a Fault?
- Important Event.Events Table Fields
- Important Event.Events Table Fields (Cont.)
- Common Fault Management Concepts
- Common Fault Management Concepts (Cont.)
- Event Enrichment/Correlation Engines
- Event Collection
- Event Collection (Cont.)

- Standard Aggregators
- Multi-Purpose Event Aggregators
- Event Rules
- Rules Types and Structure
- Rules Types
- CustomRules
- Event Rules Functions
- Event Rules Functions (Cont.)
- Custom SNMP Rules Files
- Event Northbound Integration
- Event Northbound Integration (Cont.)
- Events Configuration
- Event Displays
- Event Filters
- Filter Groups
- Event Conversions
- Adhoc Event Filter / Load Filter Tool
- Event Tools
- Event Tools – SQL
- Event Tool Menus
- Event List Tools
- Event List Tools (Cont.)
- CAPE (Custom Action Policy Engine)
- CAPE Policy
- CAPE Node
- CAPE Service
- Manage Mechanizations
- Notifications
- Notification Profiles
- Notification Templates
- Event Watcher Policies
- Recap
- Recap (Cont.)

Unified Assurance Admin Training: Performance Manager

- Objectives
- Performance Manager Overview
- Performance Manager Overview: Universal Metric Support
- Performance Manager Overview: Universal Metric Support (Cont.)
- Performance Manager Overview: Features
- Performance Manager Overview: Features (Cont.)
- Performance Manager Overview: Thresholding Capabilities
- Performance Manager Overview: Ease of Administration
- Performance Manager Terminology
- Performance Manager Terminology (Cont.)

- Performance Manager Pollers
- Performance Manager Pollers (Cont.)
- Other Metric Collection Methods
- Performance Manager Rules
- Performance Manager Processing Flow
- Performance Manager Rules Functions
- Metric Post-Collection Consolidation Engine (PCCE)
- Metric Post-Collection Consolidation Engine (PCCE) (Cont.)
- Metrics Discovery
- Metric Collection
- Threshold Processing
- Metric Types
- Metric Types (Cont.)
- Metrics Collections
- Metrics Display Instances
- Metrics Instances
- Metric Groups
- Poller Templates
- Polling Assignments
- Polling Assignment: Best Practices
- Polling Assignment: Best Practices (Cont.)
- Polling Policies
- Metrics Transactions
- Metric Network Interface Poller
- Generic SNMP Polling
- Threshold Engines
- Default Threshold Engines
- Thresholds
- Abnormal Profiles
- Threshold Groups
- Device Navigation
- Device Overview Dashboard
- Recap

Unified Assurance Admin Training: Topology

- Objectives
- Objectives (Cont.)
- Inventory & Topology Overview
- Graph Database
- Graph Overview
- Graph Vertices
- Graph Vertices – Types
- Graph Edges
- Graph Edges – Types
- Topology Gather Network Inventory

- Topology Stitchers
- Topology Rules Functions
- Topology Rules Functions (Cont.)
- Adhoc Graph Dashboard
- Adhoc Graph Dashboard (Cont.)
- Device Network Details
- Device Network Details (Cont.)
- Device Configuration
- Adhoc View Config Dashboard
- Recap
- Recap (Cont.)

Unified Assurance Admin Training: Service Level Monitoring

- Objectives
- Service Level Monitoring
- Service Level Monitoring (Cont.)
- Event SLM
- Metric SLM
- Service Config
- Service Config – SLM Service
- Service Config – SLM Service (Cont.)
- Service Config – SLM Filter
- Service Config – SLM Filter (Cont.)
- Service Config – SLM Metric
- Service Config – SLM Metric (Cont.)
- Recap

Unified Assurance Admin Training: Database Administration

- Objectives
- Objectives (Cont.)
- Unified Assurance Databases Overview
- Database User Interface
- Database User Interface (Cont.)
- Unified Assurance Databases: MySQL
- Unified Assurance Databases: MySQL (Cont.)
- Unified Assurance Databases: MySQL Event Database
- Unified Assurance Databases: MySQL Event Database(Cont.)
- Unified Assurance Databases: MySQL Event Database (Cont.)
- Unified Assurance Databases: Historical Database
- Unified Assurance Databases: Historical Database (Cont.)
- Unified Assurance Databases: Metrics
- Unified Assurance Databases: Metrics (Cont.)
- Unified Assurance Databases: Graph Database
- Unified Assurance Databases: Graph Database (Cont.)
- MySQL DB: Adding Custom Fields to Events DB

- MySQL DB Troubleshooting
- MySQL DB Troubleshooting: Exporting MySQL
- MySQL DB Troubleshooting: Troubleshooting Queries
- MySQL DB Troubleshooting: Troubleshooting Queries (Cont.)
- MySQL DB Troubleshooting: Database Connections
- Database Troubleshooting: Database Usage
- Database Troubleshooting: Database Usage (Cont.)
- Recap
- Recap (Cont.)

Unified Assurance Admin Training: Custom Packages

- Objectives
- Custom Packages Overview
- Naming Conventions
- Package Dependencies
- Package Definition
- Package Definition (Cont.)
- Rules Package Example
- Rules Package Example (Cont.)
- Recap

Unified Assurance Admin Training: Event Analytics

- Objectives
- Objectives (Cont.)
- Event Analytics Overview
- Event Analytics Overview – Architecture
- Event Analytics Overview – Key Workflows
- Event Analytics Overview – Key Workflows (Cont.)
- Navigate Historical Data
- Navigate Historical Data (Cont.)
- Visualize Historical Data
- Types of Policies
- Influencers
- Detectors
- Running a Policy
- Running a Policy (Cont.)
- Determine Cardinality
- Determine Cardinality (Cont.)
- Start the Job
- Anomaly Explorer
- Troubleshooting
- Recap
- Recap (Cont.)

Unified Assurance Admin Training: Dashboards and Diagrams

- Objectives
- Objectives (Cont.)
- Diagrams Overview
- Diagram Widgets
- Diagram Uses
- Diagram Config
- Diagram Config – New Diagrams
- Diagram Config – Ribbon
- Diagram Config– Ribbon (Cont.)
- Dashboard Overview
- Dashboard Config
- Dashboard Config (Cont.)
- Dashboard Panels
- Dashboard Panel Configuration
- Reports Overview
- Report Config
- Report Config – Profile
- Report Config – New Report
- Report Config – New Report (Cont.)
- Kibana Dashboards Overview
- Kibana Dashboards – Panels
- Kibana Dashboards – Visualizations
- Kibana Dashboards – [Event Analytics] Overview
- Kibana Dashboards – [Event Analytics] Top-N
- Kibana Dashboards – [Event Analytics] Time-over-time
- Kibana Dashboards – [Event Analytics] Events
- Grafana Dashboards – Overview
- Grafana Dashboards – Panels
- Grafana Dashboards – Settings
- Grafana Dashboards – System Dashboard
- Grafana Dashboards – Custom Dashboards
- Recap

Unified Assurance Admin Training: Redundancy

- Objectives
- High Availability
- Installing Redundant Server 1:1
- Redundant Multi-Server Configuration
- Steps for 1:1 Server Redundancy – 1:1 Walkthrough
- Steps for 1:1 Server Redundancy – 1:1 Verify Prerequisites
- Steps for 1:1 Server Redundancy – 1:1 Run Redundancy Wizard
- Steps for 1:1 Server Redundancy – 1:1 Run Redundancy Wizard (Cont.)
- Steps for 1:1 Server Redundancy – 1:1 Redundant Server Results

- Viewing Servers
- Viewing Servers (Cont.)
- Recap

Unified Assurance Admin Training

- Objectives
- Subversion (SVN) Overview
- Subversion (SVN) Overview (Cont.)
- SVN – Executable Directory
- SVN – Repositories Directory
- SVN – Repositories Directory (Cont.)
- SVN – Working Copy Directory
- SVN – Commands – a1svn info
- SVN– Commands – a1svn info (Cont.)
- SVN – Commands – a1svn status
- SVN – Commands – a1svn add / a1svn commit
- SVN – Commands – a1svn add / a1svn commit (Cont.)
- Recap