Oracle Session Monitor - Platform Admin and Configuration Ed 1

Oracle Communications

DURATION	MODULES	COURSE CODE
3 Days	**6 Lectures**	**—**

Course Overview

Oracle Session Monitor - Platform Admin and Configuration Ed 1

What You Will Learn

- 1 Course Introduction
- Target Audience
- Course Objectives
- Course Duration And Content
- Tools for Lab Exercises
- 2 Installation And Platform Setup
- Objectives
- Topics
- Topic: Installing OCSM
- OCSM Hardware Requirements
- OCSM Software Requirements
- Installing OCSM
- Topic: Setting Up OCSM
- OCSM Layered Architecture
- OCSM Connectivity
- Accessing the OCSM Platform Setup Application (PSA)
- Accepting License Terms
- Changing the Default Password
- Platform Setup Application Menus
- Selecting Machine Type – ME Only
- Configuring Call Capacity And Extensions – ME Only
- Configuring Disk Usage – ME Only
- ME Connection List – ME Only
- Specifying Trusted Certificate – ME Only
- Specifying Server Certificate – ME Only
- Enabling SMTP – ME Only

- Configuring Capture Settings – ME Only
- Specifying Data Retention – ME Only
- Installing the Applications – ME Only
- Selecting Machine Type – Probe Only
- Configuring Call Capacity And Extensions – Probe Only
- Specifying ME Connection List – Probe Only
- Configuring Capture Settings – Probe Only
- Selecting Machine Type – ME + Probe
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- Configuring Call Capacity And Extensions – ME+Probe
- Configuring Disk Usage – ME+Probe
- Specifying ME Connection List – ME+Probe
- Configuring Capture Settings – ME+Probe
- Specifying Data Retention – ME+Probe
- Topic: Specifying Post-setup Settings
- Platform Setup Application: Post-setup Menu
- Software Version And Upgrade – Post ME or Probe Setup
- System Diagnostic Report – Post ME or Probe Setup
- Enabling Client-Side Add-ons – Post ME Setup
- Configuring Media Filters – Post Probe Setup
- Configuring Signaling Filters – Post Probe Setup
- Practice
- 3 Administration and Configuration
- Objectives
- Topics
- Topic: Managing General And Network Settings
- Accessing the OM GUI
- The OM GUI for Configuration And Administration
- The OM GUI for Settings
- Viewing General Settings – Status, Actions, External IP/hostname, FM
- Enabling REST API
- Examples of REST API Calls
- Viewing And Editing Probes
- Setting Probe KPIs
- Configuring ME Authentication Token
- Practice
- Topic: Administrating Platform Devices And Realms
- Administrating Platform Devices
- Adding a Platform Device – SBC/B2BUA
- About Device Identification
- About Number Determination Sources
- Example: Number Determination Sources
- Adding a Platform Device – Trunk
- Third-Party Call Control (3PCC)
- Realms
- Defining Realms

- Defining Realm Patterns
- Customizing Realm Assignment
- Specifying Devices Visibility
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- Specifying Device Monitoring
- Specifying IP Tags
- Specifying Prefix Tags
- Practices
- Topic: Managing Users
- Managing Users
- Adding a User
- Adding a User (Continued)
- How much access does Cindy have?
- Adding More Rights to Cindy’s Access
- How much access does Cindy have now?
- Configuring Password Settings
- Adding a User Using User Roles (Enabling User Roles)
- Adding a User Using User Roles (Creating a User Role)
- Adding a User Using User Roles (Assigning a User Role to a User)
- Example: User And Realm
- Practice
- Topic: Managing External Devices
- Configuring RADIUS Authentication
- Configuring SNMP Options – SNMP v3
- Configuring SNMP Options – SNMP v2c
- Accessing Files on the ME via FTPS
- Configuring Voice Quality Collector
- Practice
- Topic: Managing the System
- Setting System Parameters
- Categories of System Settings Parameters
- Uploading Oracle SBC Configurations
- Creating the ME Configuration Savepoints
- Anonymizing Chat/Custom SIP Headers
- Practice
- Summary
- 4 Session Monitor Call Merging
- Objectives
- Topics
- Topic: Call Merging And Call Merging Algorithms
- Call Merging
- Call Merging Algorithm
- Call Merging Algorithm Syntax
- Examples of Call Merging Algorithm Syntax
- v
- Default Call Merging Algorithm for SBC/B2BUA (SIP-SIP)

- Example: Call ID in the Default Call Merging Algorithm
- Example: Media IP and Port in the Default Call Merging Algorithm
- Example: Custom Header in the Default Call Merging Algorithm
- Example: User URI in the Default Call Merging Algorithm
- Example: Time Difference in the Default Call Merging Algorithm
- Default Call Merging Algorithm for SGW (SIP-ISUP)
- Call Merging for Third-Party Call Control (3PCC)
- Topic: System Settings for Call Merging
- System Settings for Merging Calls in General
- System Settings for Merging Calls with Redirection
- System Settings for Merging Calls with REFER
- System Settings for Correlating Calls with Call Transfer
- System Settings for Merging Calls with other Protocols
- Practice
- Summary
- 5 Fraud Monitor
- Objectives
- Topics
- Topic: Introduction to Fraud Monitor
- What is Fraud Monitor?
- Where is Fraud Monitor?
- How does FM detect fraud?
- Example: What happens if Fraud is detected?
- Topic: Setting Up the Fraud Monitor
- Accessing the Platform Setup Application (PSA) for FM Setup
- Selecting Machine Type
- Installing Fraud Monitor
- Accessing the FM GUI for Configuration And Administration
- FM GUI Main Page – The Overview Page
- Connecting a Mediation Engine to the Fraud Monitor
- Checking the Connections Between the FM And the MEs
- Managing the FM Administrative Users
- Managing the FM Administrative Users (Continued)
- Topic: Configuring the Fraud Monitor
- Using the Settings Page to Configure the FM
- Configuring Notifications
- Configuring the FM Rules
- Configuring the Rule – Destination-based Traffic Spikes (DBTS)
- Example: Configuring DBTS – Static Point Type
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- Example: Configuring DBTS – Dynamic Point Type
- Notes
- Configuring the Rule – Destination-based Call Volume (DBCV)
- Example: Configuring DBCV – Static Point Type
- Example: Configuring DBCV – Dynamic Point Type
- Configuring the Rule – Source-based Traffic Spikes (SBTS)

- Configuring the Rule – Source-based Call Volume (SBCV)
- Configuring the FM Lists
- Configuring the Automatic List
- Configuring the Rule – Blacklist
- Example: Configuring the Rule – Blacklist
- Example: Configuring the Rule – Blacklist (Continued)
- Configuring the Rule – Ratelimit List
- Configuring the Rule – Redirect List
- Configuring the Whitelist
- Importing And Exporting Lists
- Example: Imported Users in the Blacklist
- Topic: Fraud Monitor in Action
- Example: The Overview Page
- Example: The Learning Period Page
- Example: The Incidents Page
- Example: The Details Page
- Example: The Details Page (Continued)
- Example: Score Information vs Metric Information
- Example: Score Information of an Incident (Static Points)
- Example: Score Information of an Incident (Dynamic Points)
- Example: Metric Information on DBTS
- Example: Metric Information on Call Volume (CPS)
- Example: Metric Information on Call Volume (MAC)
- Points That Might be Confusing
- Case Study – 1 of 4
- Case Study – 2 of 4
- Case Study – 2 of 4 (Continued)
- Case Study – 3 of 4
- Case Study – 4 of 4
- Practices
- Summary
- 6 Mediation Engine Connector
- Objectives
- Topics
- vii
- Topic: Introduction to the MEC
- What is the MEC?
- Where is the MEC?
- MEC Functionality
- Topic: Setting up the MEC
- Accessing the Platform Setup Application (PSA) for MEC Setup
- Selecting Machine Type
- Installing the MEC
- Accessing the MEC GUI for Configuration And Administration
- MEC GUI Main Page And the Settings Page
- Topic: Connecting MEs to the MEC

- Connecting a Mediation Engine to the MEC
- ME GUI: Settings – System Settings and MEC
- MEC GUI: Settings – ME Connector
- MEC GUI: Settings – ME Management
- MEC GUI: Settings – Connection Test
- Once an ME is Connected to an MEC …
- Topic: Configuring the MEC
- MEC GUI: Dashboard
- MEC GUI: Dashboard – Regional Panels
- MEC GUI: Dashboard – Node Panels
- MEC GUI: ME Selection And View
- MEC GUI: Settings – Realms And Realm Patterns
- MEC GUI: Settings – Users
- MEC GUI: Settings – Password Settings
- MEC GUI: Settings – External Authentication
- MEC GUI: Settings – Default Language
- Topic: Viewing Correlated Calls on the MEC
- How does the MEC correlate calls?
- Configuring Multiple ME Nodes for Call Correlation
- Configuring Platform Devices on Each ME (Step 2a)
- Configuring Platform Devices on Each ME (Step 2b)
- Configuring Platform Devices on Each ME (Step 2c)
- Applying Configuration Changes of Platform Devices (Step 3)
- Setting Timeouts for Node Connection And Call Searches (Step 4)
- Viewing a Correlated Call from the MEC Dashboard (Step 5a)
- Viewing Call Info of a Correlated Call from the MEC (Step 5b)
- Viewing Call Flow of a Correlated Call from the MEC (Step 5c)
- Viewing the Correlated Call from an ME (Step 5d)
- Summary