

Oracle SBC Configuration and Administration Ed1

Learn via: **Virtual**

Duration: **5 Days**

Overview

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No hands on lab environment for the TOD course format. This Oracle Session Border Controller (SBC) Configuration and Administration training course is designed for enterprise or service provider network professionals involved in SIP session delivery and control. Although the course describes all currently available hardware platforms, all the concepts and operations are presented in a platform independent way. In a similar manner, the course is software-release independent as well. Through in-depth discussions and hands-on exercises the course covers the Session Initiation Protocol, the benefits gained and the issues resolved by using Session Border Controllers, SBC principles, configuration concepts, configuration workflow, peering and access deployments, routine operations and more. Learn To: plan SBC integration with customer's network. and create common configurations. Perform routine operations (system access, configuration, management, backup/restore). Test basic functionality. Benefits to You: Enrolling in this course will help you develop a deeper understanding of the fundamentals of Session Initiation Protocol (SIP) as well as system and protocol-specific configuration of the SBC. The contents addressed apply equally to both service provider and enterprise deployments. You'll walk away with more knowledge of SBC architecture, concepts and administration in the form of configuration management (backups, restores and revision control) by participating in hands-on labs. For events in Europe Middle East and Africa please click here! Live Virtual Class (LVC) is exclusively for registered students; unregistered individuals may not view an LVC at any time. Registered students must view the class from the country listed in the registration form. Unauthorized recording, copying, or transmission of LVC content may not be made.

Prerequisites

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- Basic understanding of telephony systems VoIP Telephony Familiarity with computer communication systems and concepts TCP/IP Networking Familiarity with commonly used data communication protocols

What You Will Learn

Delegates will learn how to

- Plan and create common configurations
- Test basic functionality
- Perform routine operations (system access configuration management backup/restore)
- Discuss the Session Border Controller's need features benefits architecture operation deployment models (Peering Access-Backbone) configuration and other operations
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Outline

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Hardware Platforms

- Oracle Acme Packet Platforms Overview
- Oracle Acme Packet Platforms - Service Provider Market
- Oracle Acme Packet Platforms - Enterprise Market
- Design Concepts Common To All Platforms

Session Initiation Protocol (SIP) Essentials

- General SIP Information
- Elements of SIP
- Basic Call Flow
- Using SIP Proxies
- More about calls, messages, header fields and proxies
- Stateless and Stateful Proxies
- Back-to-Back User Agents (B2BUA)

Introduction to Session Border Controllers

- Session Border Controllers
- Software and Services

Initial Configuration

- SBC Access and CLI Navigation
- Configuration Elements
- Configuration Workflow
- Configuration Backup/Restore
- Common Operations
- The Initial Configuration

Provisioning interfaces

- Physical and Network Interfaces
- Physical Interfaces Provisioning
- Network Interface Provisioning
- Additional Points

Session Border Controller Concepts

- Realms and Realm Bridging
- SIP Interfaces
- SBC Media Services
- Routing and Translation
- Session Agents
- Header Manipulation Rules (HMRs)

Peering Environment Configuration

- Peering PBRB Model
- Peering PBRB with HMR
- SIP Peering Access Control

Access-Backbone Environment Configuration

- Access-Backbone in General
- Registration Caching
- SIP Hosted NAT Traversal
- Media Latching
- Access PBRB Model
- Access Control in Access-Backbone Deployments

Transcoding Configuration

- Transcoding in General
- Configuring Transcoding Policies

Configuring SBC High Availability

- High-Availability Overview
- Cluster operation concepts
- Configuring the Primary Node
- Preparing the Secondary Node
- High-Availability Cluster Operations