

Oracle SBC Configuration and Administration Ed1

Duration: 5 Days

What you will learn

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.

Plan 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](#)."

Related Training

Required Prerequisites

Basic understanding of telephony systems

Familiarity with commonly used data communication protocols

Familiarity with computer communication systems and concepts

Suggested Prerequisites

TCP/IP Networking

VoIP Telephony

Course Objectives

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

Course Topics

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