ORACLE

Oracle Enterprise Session Router

An advanced session routing proxy, Oracle Enterprise Session Router overcomes the challenges inherent in routing Session Initiation Protocol (SIP)–based voice, video, instant messaging, and multimedia sessions between SIP elements as service providers, Enterprise SBC's and communication platforms.

Overview

Oracle Enterprise Session Router provides high-performance SIP routing. It plays a central role in Oracle's open session routing architecture and helps enterprises to build a scalable signaling core for SIP-based services.

The Session Router is available as a software-only application that can be made to run as a Virtualized Network Function (VNF) on top of a hypervisor. It leverages Acme Packet Operating Software (Acme Packet OS) to offer industry-leading SIP routing performance, routing control and deployment flexibility, openness and interoperability, carrier grade high availability (HA), and cost effectiveness.

Services and applications

Oracle's open session routing architecture features Enterprise Session Router, Enterprise Session Border Controllers and Enterprise Communications Broker, enabling and protecting the connected and hybrid enterprise.

The Session Router provides compelling features that deliver key benefits:

- Carrier Grade High Availability
- Extensive routing control
- Load balancing
- Interworking and mediation
- Call admission and overload control
- Accounting

Oracle Enterprise Session Router is available in Session Stateful mode only.

Key features

- High-performance SIP routing
- Extensive and flexible routing policies
- Local and external routing database support
- Programmable interworking and mediation
- Call admission and overload control
- Built in the same framework as the Enterprise SBC
- Available as a fully orchestrated Virtual Network Function (VNF)
- Carrier-grade high availability

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Flexible operational modes

For maximum flexibility, Oracle's Enterprise Session Router supports a wide range of hypervisors & public clouds:

PRIVATE CLOUD (HYPERVISORS)	PUBLIC CLOUDS
VMware ESXi	Oracle Cloud Infrastructure
KVM	Microsoft Azure
Microsoft Hyper-V	Amazon Web Services (AWS)
	Google Cloud Platform

Integrating communications environments

Oracle offers multiple solutions to enable easy interoperability of communication environments, simplifying operations and resolving network and protocol incompatibilities with strong security.

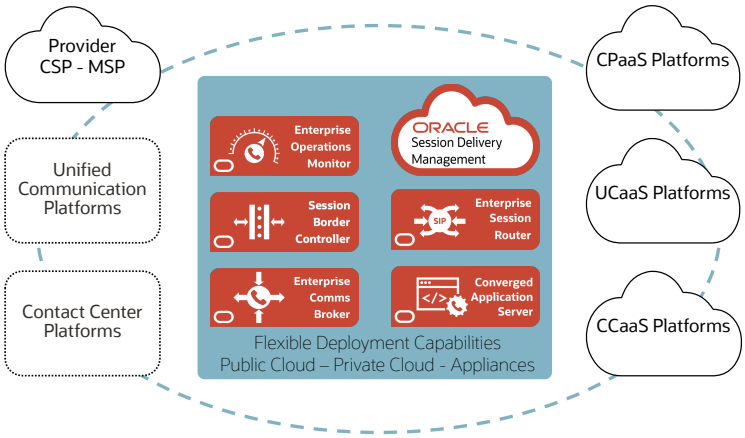


Figure 1. Oracle offers a robust suite of communications applications

Related products

- Oracle Enterprise Session Border Controller
- Oracle Enterprise Communications Broker
- Oracle Enterprise Operations Monitor
- Oracle Session Delivery Management Cloud
- Oracle Communications Session Delivery Manager
- Oracle Communications Session Router

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