

Oracle Communications Federal Snapshot

ORACLE® Communications

ORACLE AT-A-GLANCE

- » \$40B revenue
- » 68% fastest growing public cloud company at scale
- » #1 SaaS Enterprise companies 1,000+ employees
- » Over \$5B R&D annually; 17,000+ patents

ORACLE COMMUNICATIONS

- » 20 of the Top 20 communications customers
- » Routes 1B calls & text messages per day
- » Connects 80M conference minutes per day
- » Secures 1,500 networks per day
- » Delivers 8.3B Email messages per day

Oracle Communications Federal

Oracle Acme Packet holds the majority of market share with Defense industry customers.

Several large US government agencies have chosen Oracle as their SBC of choice.

Oracle SBCs, from edge to core, are FIPS and JITC compliant.

Oracle Enterprise Operations Manager is the only solution available allowing monitoring of encrypted traffic. No other SBC offers encryption with the same richness of features and reporting.

Industry's Strongest E-SBC

- » Protects communications services, infrastructure, applications and information
- » Mitigates eight categories of threats, including DoS and fraud
- » Ensures communications privacy and integrity
- » Meets U.S. government specs for highly classified communications

Only dynamically assigned trust levels per user	» Allocates access to resources based on user behavior
Most granular CAC	» Filters unauthorized traffic, prevents server overload and service abuse
Only dedicated processing resources	» Maintains communications for valid sessions during DoS event
Only anomaly-based threat detection	» Highly accurate and scalable threat response

Oracle Acme Packet E-SBC Portfolio

Features	Virtual Machine Edition	Acme Packet 1100	Acme Packet 3900	Acme Packet 4600	Acme Packet 6300
Sessions	25-7,200	25 – 360 30 CPS ⁽²⁾	25 - 8,000 120 CPS ⁽²⁾	25 - 32,000 400 CPS ⁽²⁾	4,000 – 80,000 700 CPS ⁽²⁾
Platform	KVM, ESXi, Xen	Purpose-built appliance	Purpose-built appliance	Purpose-built appliance	Purpose-built appliance
Protocol Support	SIP, H.323	SIP, H.323	SIP, H.323	SIP, H.323	SIP, H.323
Centrally Manageable	✓	✓	✓	✓	✓
T1/E1 Interface	X	1-port or 4-port ¹	4-ports ¹	X	X
Encryption	TLS, SRTP ¹	TLS, IPsec/SRTP ¹	TLS, IPsec/SRTP	TLS, IPsec/SRTP ¹	TLS, IPsec/SRTP ¹
High Availability	✓ ⁽¹⁾	✓ ⁽¹⁾	✓ ⁽¹⁾	✓ ⁽¹⁾	✓ ⁽¹⁾
Transcoding	✓ ⁽¹⁾ 3,000	✓ ⁽¹⁾ 360 Opus/SILK – supported	✓ ⁽¹⁾ 6,250 Opus/SILK – supported	✓ ⁽¹⁾ 15,000 Opus/SILK – supported	✓ ⁽¹⁾ 60,000 Opus/SILK – supported
SIPREC Sessions	3,500 ⁽²⁾	180 ⁽²⁾	4,000 ⁽²⁾	8,000 ⁽²⁾	16,000 ⁽²⁾
EOM Probe QoS Reporting	End of session	End of session	10 sec	10 sec	10 sec

¹ Optional feature

² Based on seven SIP message call flow/setup

Oracle Enterprise Operations Monitor

KEY FEATURES

- » Real-time, passive VoIP & UC network monitoring
- » End-to-end call correlation & analysis
- » Fast & accurate problem localization
- » Media quality analysis, including RFactor & MOS scores
- » Drill down to view messages per user session, including live calls
- » Vendor agnostic visibility into SIP, RTP, RTCP & other protocols
- » Unparalleled insight into & analysis of signaling messages
- » With EOM, Oracle SBCs can act as probes so network administrators can manage encrypted SIP traffic with minimal difficulty

It also helps IT managers troubleshoot call quality issues in real time with deep drilldown capabilities for both media and signaling – a true differentiator in the market.

Overview

Enterprise IT managers frequently face problems with communications services that are difficult to detect, isolate and resolve. The resulting lengthy mean-time-to-repair intervals can cause user dissatisfaction, lost productivity and damage to brand image.

Oracle Enterprise Operations Monitor (EOM) is a service monitoring, troubleshooting and analysis solution that provides unprecedented, real-time insight into enterprise Voice over IP (VoIP) and Unified Communications (UC) networks. It enables enterprises to reduce operational costs, increase user satisfaction and accelerate the deployment of communications services.

Rapid Problem Detection and Isolation

EOM detects problems in real-time across a multivendor UC or contact center network and issues alerts to IT staff so they can be pro-active. It uses probes to monitor and analyze VoIP and UC communications protocols. Based on collected data, EOM calculates over 200 key performance indicators (KPIs) that detect a wide range of problems and provide early visibility into degrading service levels.

EOM provides a granular leg-by-leg view of signaling and media for each session, including sessions in progress. Easy-to-read ladder diagrams enable IT staff to visualize and rapidly isolate problems to a network segment, network element or service provider interface.



Caller	Callee	Call time	Media	Seg...	Min. MOS	State
493054655494	498954655494	0'0ms	No	6		Ringing
+15550038	+15550039	4'835ms	No	2		Established



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Integrated Cloud Applications & Platform Services

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