Oracle Communications Federal Snapshot

**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 JIC 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

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### Oracle Acme Packet E-SBC Portfolio

<table>
<thead>
<tr>
<th>Features</th>
<th>Virtual Machine Edition</th>
<th>Acme Packet 1100</th>
<th>Acme Packet 3900</th>
<th>Acme Packet 4600</th>
<th>Acme Packet 6300</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sessions</strong></td>
<td>25-7,200</td>
<td>25 – 360</td>
<td>25 - 8,000</td>
<td>25 - 32,000</td>
<td>4,000 – 80,000</td>
</tr>
<tr>
<td><strong>Platform</strong></td>
<td>KVM, ESXi, Xen</td>
<td>Purpose-built appliance</td>
<td>Purpose-built appliance</td>
<td>Purpose-built appliance</td>
<td>Purpose-built appliance</td>
</tr>
<tr>
<td><strong>Protocol Support</strong></td>
<td>SIP, H.323</td>
<td>SIP, H.323</td>
<td>SIP, H.323</td>
<td>SIP, H.323</td>
<td>SIP, H.323</td>
</tr>
<tr>
<td><strong>Centrally Manageable</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>T1/E1 Interface</strong></td>
<td>X</td>
<td>1-port or 4-port1</td>
<td>4-ports1</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>Encryption</strong></td>
<td>TLS, SRTP&lt;sup&gt;1&lt;/sup&gt;</td>
<td>TLS, IPsec/SRTP&lt;sup&gt;1&lt;/sup&gt;</td>
<td>TLS, IPsec/SRTP&lt;sup&gt;1&lt;/sup&gt;</td>
<td>TLS, IPsec/SRTP&lt;sup&gt;1&lt;/sup&gt;</td>
<td>TLS, IPsec/SRTP&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>High Availability</strong></td>
<td>✓&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>✓&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>✓&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>✓&lt;sup&gt;(1)&lt;/sup&gt;</td>
<td>✓&lt;sup&gt;(1)&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>Transcoding</strong></td>
<td>✓&lt;sup&gt;(1)&lt;/sup&gt; 3,000</td>
<td>✓&lt;sup&gt;(1)&lt;/sup&gt; 360 Opus/SILK – supported</td>
<td>✓&lt;sup&gt;(1)&lt;/sup&gt; 6,250 Opus/SILK – supported</td>
<td>✓&lt;sup&gt;(1)&lt;/sup&gt; 15,000 Opus/SILK – supported</td>
<td>✓&lt;sup&gt;(1)&lt;/sup&gt; 60,000 Opus/SILK – supported</td>
</tr>
<tr>
<td><strong>SIPREC Sessions</strong></td>
<td>3,500&lt;sup&gt;(2)&lt;/sup&gt;</td>
<td>180&lt;sup&gt;(2)&lt;/sup&gt;</td>
<td>4,000&lt;sup&gt;(2)&lt;/sup&gt;</td>
<td>8,000&lt;sup&gt;(2)&lt;/sup&gt;</td>
<td>16,000&lt;sup&gt;(2)&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>EOM Probe QoS Reporting</strong></td>
<td>End of session</td>
<td>End of session</td>
<td>10 sec</td>
<td>10 sec</td>
<td>10 sec</td>
</tr>
</tbody>
</table>

<sup>1</sup> Optional feature
<sup>2</sup> Based on seven SIP message call flow/setup
Oracle Enterprise Operations Monitor

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.

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.

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

Contact Us

For more information about Oracle Communications Federal, visit oracle.com/communications or call +1.800.ORACLE1 to speak to an Oracle representative.

Integrated Cloud Applications & Platform Services

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