ORACLE COMMUNICATIONS CONVERGED APPLICATION SERVER

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FEATURES

- Converged Web-telecom application container based on SIP Servlet, IMS, Java EE, Diameter and Web Services
- Ease of service creation and innovation with seamless composition of Web/HTTP and SIP/IMS features
- High availability and reliability deployment architecture with geographical redundancy, tiered clustering, and session replication
- Extremely high performance and low latency with real-time Java processing
- Value-added service enablers for presence, group list management, and subscriber profile virtualization

BENEFITS

- Increase revenue opportunities with converged Web-telecom services using diverse business models
- Lower OPEX and CAPEX of delivering services over NGN/VoIP/SDP as well as existing IN platforms
- Increase end-user satisfaction and subscriber retention with extremely high service reliability, innovation, and performance
- Enhance business agility and competitiveness with a future-proof NGN and SDP Services Layer architecture
- Lower cost of service creation, and time-to-market, using open, standards-based application development platform

Oracle Communications Converged Application Server is the industry's most comprehensive Web-telecom application server, delivering an open, standards-based service creation and execution platform for IP-based communications applications. As the telecom application server component of the Oracle Communications Service Delivery product family, it enables network operators and service providers to rapidly and cost-effectively develop, deploy, and innovative revenue-enhancing communication and collaboration services, such as Voice over IP (VoIP), multimedia IP conferencing, IP Multimedia Subsystem (IMS) communication, and Next-Generation Intelligent Network (NGIN) services.

Capitalize on Web-Telecom Service Convergence

Explosive end-user demand for services that combine information, entertainment, collaboration and communication services into an integrated end-user experience has created a massive industry transformation. Service providers, content media, and device manufacturers of all types are vying to capture the opportunity presented by these changing market dynamics. Web and internet-based service providers, such as search engines, consumer portals, and e-commerce portals, have rapidly adopted real-time communication and collaboration technologies, such as Session Initiation Protocol (SIP), Web 2.0, and Web Services, to offer real-time, multimedia-over-IP services such as instant messaging, presence, and group lists, VoIP, IP conferencing, and click-to-call. In turn, communications service providers have extended the same core set of technologies and standards to build an IP-based service creation and execution layer within their Service Delivery Platforms (SDP) on legacy fixed and mobile networks, as well as for standardized next-generation networks (NGN) such as IMS, to replace and extend legacy telecom networks.

Comprehensive Service Creation and Execution Platform

Oracle Communications Converged Application Server is a communications application server based on the SIP Servlet, Java EE, Web Services, and IMS industry standards, and forms the service creation and execution platform of the Oracle Communications Service Delivery product family. It is designed for a wide-range of IP-based, communication-enabled applications, such as VoIP, multimedia conferencing, SIP/IMS call control and messaging, and NGIN services.

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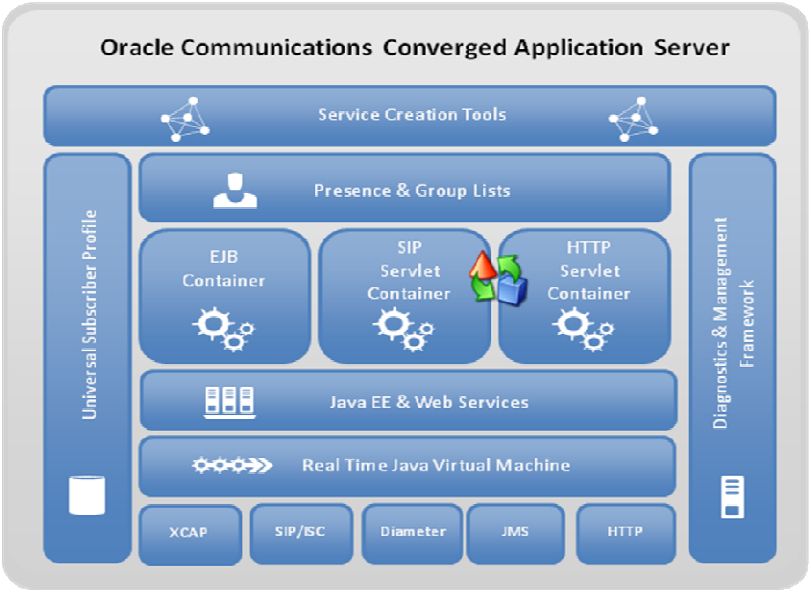

Functional Overview of Oracle Communications Converged Application Server

Converged SIP and Web Application Container

Oracle Communications Converged Application Server is an application development platform based on a single, integrated Web-telecom application container. This architecture provides developers and system administrators with a single, integrated application platform for creating and deploying Web and telecom applications, instead of using the more costly and architecturally inefficient approach of multiple application platforms. Developers can seamlessly expose SIP/IMS-based innovations such as VoIP, presence and conferencing capabilities to Internet and Web 2.0 users via simple Web Services.

Ease of Service Creation and Feature Composition

As the industry's first commercial implementation of the latest SIP Servlet standard (JSR 289), Oracle Communications Converged Application Server provides application developers with a powerful SIP feature composition tool called an Application Router. The Application Router allows the application features in SIP Servlet components to be easily shared, re-used, and orchestrated, resulting in more rapid service creation and innovation. Combined with the core Web-telecom application container, this allows developers and service providers to focus more on service innovation.

Enhance Innovation with Value-Added Service Enablers: Presence, XDM and Subscriber Profile Virtualization

Oracle Communications Converged Application Server includes key value-added service enablers which provides service providers with innovative features such as presence, availability, group list management, and subscriber profile virtualization. It includes a Presence Server and XDM Server which allows service providers to offer innovative new services by aggregating, managing, and exposing information such as presence, availability, and group lists to other Web and telecom applications across disparate networks and devices. It also includes the Universal Subscriber Profile component, which provides a subscriber profile virtualization service. This accelerates the deployment of applications and reduces costs by eliminating the need

ORACLE COMMUNICATIONS SERVICE DELIVERY PRODUCT FAMILY

Oracle Communications Service Delivery is a portfolio of powerful, standards-based telecom middleware products. It enables service providers, enterprises, and developers to harness and leverage the power of the Web, social networking, telecommunications, and IT. The result is the rapid and cost effective creation of new, innovative, and converged internet communication services.

ORACLE COMMUNICATIONS SERVICE DELIVERY PRODUCTS

- Oracle Communications Converged Application Server
- Oracle Communications Services Gatekeeper

RELATED ORACLE PRODUCTS FOR SERVICE DELIVERY PLATFORMS

- Oracle Communications Billing and Revenue Management
- Oracle SOA Suite
- Oracle BPM Suite
- Oracle WebCenter Suite
- Oracle WebLogic Application Grid
- Oracle Coherence Enterprise Edition
- Oracle Virtual Directory
- Oracle Identity and Access Management Suite

to constantly adapt those applications to a changing subscriber profile landscape as subscribers are constantly added, changed, or removed.

Unmatched Service Availability and Reliability

Oracle Communications Converged Application Server helps to minimize the risk of service outages and performance degradations as the industry's first and only IMS-SIP application server to support geographically redundant deployment configurations. Network operators can now deploy new IMS and SIP based services into their services layer, and have the session state for those services distributed across multiple regional data centers.

Extreme Performance and Predictable Latency

Communications applications require real-time session set-up and application data access. High performance and low latency are key attributes of communications applications developed and deployed on Oracle Communications Converged Application Server. It takes full advantage of the real-time Java Virtual Machine (JVM), and optimization of the converged application container for extremely high throughput.

Comprehensive Standards and Platforms Support

Oracle Communications Converged Application Server supports a comprehensive set of Web and telecom industry standards and platforms.

- Operating Systems: Solaris, HP-UX, Linux, AIX, Windows
- Internet/Web Standards: SIP Servlet, Java EE, Java SE, Web Services, SIP, Diameter, XCAP
- Telecom Standards: 3GPP IMS, OMA Presence SIMPLE, OMA XDM

Contact Us

For more information about Oracle Communications Converged Application Server and other Oracle Communications Service Delivery products, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment

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