

ORACLE COMMUNICATIONS SERVICE DELIVERY



FEATURES

- Converged Web-telecom application container based on SIP Servlet, IMS, Java EE, Diameter and Web Services
- Open, Standards-based Service Exposure Platform
- 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, messaging, call control, location, charging 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 Service Delivery is a portfolio of industry-leading converged Web-telecom middleware products, specifically designed to enable network operators and service providers to better monetize and more cost-effectively operate services in Service Delivery Platforms (SDP) and next-generation networks (NGN) including IP Multimedia Subsystem (IMS), fixed/mobile intelligent networks (IN), and broadband IP networks.

Evolution to Next-Generation Service Delivery Platforms

The historically disparate domains of the Web and telecom are converging for consumers and businesses in today's world of ubiquitous broadband Internet access, mobile "infotainment" communication devices and telecom services. Social networking capabilities such as Web 2.0 and telecom technologies, such as Voice over IP (VoIP) and IMS, are being integrated with global and regional Internet portals and Web communities for infotainment, commerce, and search. This is bringing about the convergence of Web and telecom domains requiring the telecom world to embrace Web and Internet-based technologies such as Java, Web Services, Service Oriented Architecture (SOA), and Session Initiation Protocol (SIP).

Telecom network operators and service providers globally are in the midst of a massive network and service transformation to implement an IP-based services layer, increasingly in the context of a next-generation SDP over legacy fixed and mobile networks. This transformation is designed to evolve and extend existing legacy networks to a converged Web-Telecom architecture based upon NGN industry standards such as IMS. At the core of IP-based next-generation network architectures are key Internet standards, SIP and Diameter, in combination with Internet standards such as Java EE, Web Services, and SOA.

Oracle Communications Service Delivery products have enabled the rapid adoption and implementation of these IP-based standards in the telecom networks of operators resulting in new and innovative communication services at significantly lower cost and faster time-to-market. Operators and service providers have successfully launched revenue-enhancing consumer and business services such as VoIP, IP conferencing, call/location/messaging-enabled Web communities, IMS calling, and third party mobile content delivery services.

Comprehensive, Standards-based Services Platform Portfolio

The Oracle Communications Service Delivery product portfolio delivers the core telecom network middleware components that are key to enabling telecom network operators and service providers to realize the next-

generation SDP layer for their NGN and IMS network deployments. The IP-based converged services layer is critical to be architected on open industry-standards such as Java and Web Services to maximize the pool of the developers and partners from which network operators can leverage innovative, revenue-generating services.

The Oracle Communications Service Delivery product portfolio consists of two key products: Oracle Communications Converged Application Server and Oracle Communications Services Gatekeeper. Each product provides a critical, complementary and foundational component to the converged services layer of next-generation SDPs and NGNs, with integrated and native support for telecom, Web Services, Java EE, SIP and IMS protocols.

Oracle Communications Converged Application Server: Converged Web and Telecom Application Platform

Oracle Communications Converged Application Server is the industry's first converged Java EE-SIP-IMS-SOA application server, with powerful set of features and standards delivering unparalleled high availability, reliability, scalability and performance. It is the converged Java EE-IMS-SIP application server component of the Oracle Communications Service Delivery product family. It provides value-added enabling services such as presence, XML Document Management, and universal subscriber profile services. Also included are standards-based service creation tools and a highly efficient, low-latency, real-time Java runtime engine.

Oracle Communications Converged Application Server is an application development platform based on a single, integrated SIP-Web 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 implement SIP/IMS-based innovations such as VoIP, presence and conferencing capabilities to Internet and Web 2.0 users via simple Web Services.

Oracle Communications Services Gatekeeper: Comprehensive Service Exposure and Policy Enforcement Platform

Oracle Communications Services Gatekeeper is a converged Web-SOA-telecom service exposure platform that enables network operators to rise to this industry convergence challenge. It provides a standards-based, highly secure, network access gateway for operators to share and expose telecom network capabilities with third party developer partners, virtual network operators, and the Web community. Key Communication Services delivered in Oracle Communications Services Gatekeeper include messaging, call control, location, payment, profile, session management and presence. Underpinning the platform is a service level agreement (SLA)-based policy and traffic management framework, along with a highly scalable third party partner relationship management capability.

CORE COMPONENTS AND RELATED PRODUCTS

CORE COMPONENTS

- Oracle Communications Converged Application Server
- Oracle Communications Services Gatekeeper

RELATED PRODUCTS FOR SERVICE DELIVERY PLATFORMS

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

Service exposure platforms are critical to operators' strategies of maximizing the monetization of their existing fixed and mobile networks by sharing and charging for the usage of the value-added communication capabilities in telecom networks with third party developers and service providers.

Enhance Business Value thru Services Layer Transformation

Operators and service providers are looking to enhance their business value by increasing revenue opportunities, while lowering the total cost of ownership of creating and delivering new communication services. By integrating Web 2.0 and IP-based capabilities with telecom networks, Oracle Communications Service Delivery products enables network operators and service providers to rapidly and cost-effectively implement a next-generation SDP architecture for delivering converged Web-Telecom services. Innovation, lower cost, and faster time-to-market are key customer benefits of new IP-based communication and converged Web-Telecom services enabled by Oracle Communications Service Delivery products.

Contact Us

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



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