Oracle Communications Converged Application Server

Oracle Communications Converged Application Server is the industry’s most widely used, fastest and most powerful converged Java EE-SIP-IMS application server, delivering a carrier-grade, open, standards-based development and deployment platform for next-generation and enterprise communications applications. As the foundation for several Oracle service delivery products, it is proven to dramatically lower the cost and time of developing and deploying converged Web-telecom applications for communication service providers, enterprises, and contact centers.

**Migration to Communications Application Platforms**

With the explosive proliferation of IP devices such as smartphones, tablets, TVs, home appliances, gaming consoles, and cars, communications service providers (CSP) and enterprises are faced with the operational and business challenges of delivering innovative services with maximum profitability. In order to achieve this goal, they are migrating away from expensive, closed, proprietary, application-specific legacy platforms, towards virtualized converged communications application platforms. This dramatically lowers the time and cost of adding new features and extensions to existing IP-based communication services. It enables CSPs and enterprises to develop and deploy applications on a single, unified platform, and re-use those applications across multiple networks, including the Web, mobile, virtualized, broadband or fixed networks.

**Rapid Development and Deployment**

Most legacy communication applications are built on proprietary platforms which lack Enterprise capabilities. As a result, many CSP and Enterprises are challenged with long lead times and associated high costs of developing and deploying communication applications. By providing an open, standards-based, virtualized converged application platform with integrated SIP and Web capabilities, Oracle Communications Converged Application Server helps customers worldwide reduce the cost and time of developing and deploying carrier-grade, converged applications by over 70%. It enables customers to maximize profitability from existing services, realize new revenue from innovative converged Web-Telecom applications, and implement new features in their existing enterprise Unified Communication (UC) and contact center networks.

Enterprises face challenges with the implementation of communications-enabled business processes. Oracle Communications Converged Application Server addresses these challenges extending and integrating communication features into enterprise business applications. With standard web-based interfaces including SIP, businesses...
KEY BENEFITS

• Lower cost of application development and deployment using latest, state of the art, open, standards JEE SIP Servlet platforms
• VNF capabilities remove hardware dependencies and provide rapid scaling based on network demand
• Increase revenue with innovative converged Web-telecom applications and diverse business models
• Accelerate deployment of Communications Enabled Business Processes
• Reduce integration and deployment time with tested media functions and NFV components
• Grid computing increases performance while lowering architecture footprint

may build or interact with communications services such unified communications (UC) or contact centers. The Oracle Communications Converged Application Server provides an abstraction layer that enables any Web application to control multiple UC and contact center vendor systems, each with its own proprietary interface. This abstraction layer makes application development and maintenance more efficient.

Carrier-Grade, Open Standard, Communications App Server

Oracle Communications Converged Application Server is a carrier-grade, open, standards-based converged Web-telecom application platform based on the SIP Servlet, Java EE, Web Services, and IMS standards. It is designed for a wide-range of IP-based, communication-enabled applications, such as VoIP, multimedia conferencing, SIP/IMS-based call control and messaging services.

Multimedia and Converged Applications

At the core of Oracle Communications Converged Application Server is the industry’s most advanced SIP Servlet container, integrated with the industry’s most powerful Java EE platform. The integrated container allows for rapid and cost-effectively development and deployment of innovative, converged Web-telecom applications. CSPs or Enterprises may easily integrate applications with SIP/IMS-based communication and collaboration services such as VoIP, presence, location, or multimedia conferencing.

Converged Web-Telecom applications involve the delivery or sharing of one or more types of media, whether it is voice/audio, video, images or other types of data, which requires converged applications to interact with media servers. The Oracle Communications Converged Application Server is not only the first container to be fully compliant with SIP Servlet 2.0, but also simplifies the development of rich-media converged applications by supporting the Media Server Control API. It reduces the
Oracle Communications Service Delivery is a family of carrier-grade, open, standards-based telecom service delivery platform products, designed to enable CSPs and enterprises to harness and monetize the power of the Web, telecommunications, social networking, and IT assets.

- Oracle Communications Converged Application Server
- Oracle Communications Services Gatekeeper
- Oracle Communications Service Controller
- Oracle Communications Evolved Communications Application Server
- Oracle Communications WebRTC Session Controller

**RELATED PRODUCTS**
- Oracle WebLogic Suite
- Oracle Coherence Suite
- Oracle JRockit Real Time
- Oracle Virtual Machine

**Standards and Platforms Support**

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**Performance, Availability and Reliability**

Oracle Communications Converged Application Server helps customers minimize the risk of service outages and performance degradations by providing the industry’s only converged application platform to support geographically redundant deployment configurations. Customers can deploy converged IP-based applications into their networks with unmatched availability and reliability, by having the application session state automatically distributed across multiple regional data centers in real time. This eliminates the risk of service outages from single points of failure.

Converged applications deployed in telecom networks require real-time session set-up and application data access with minimal latency, because these factors have a direct impact on the quality of the end-user’s experience. 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), Coherence Grid Computing, and optimization of the converged application container for extremely high throughput.

**Integrated Cloud Applications & Platform Services**

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