

ORACLE APPLICATION SERVER 10g OVERVIEW

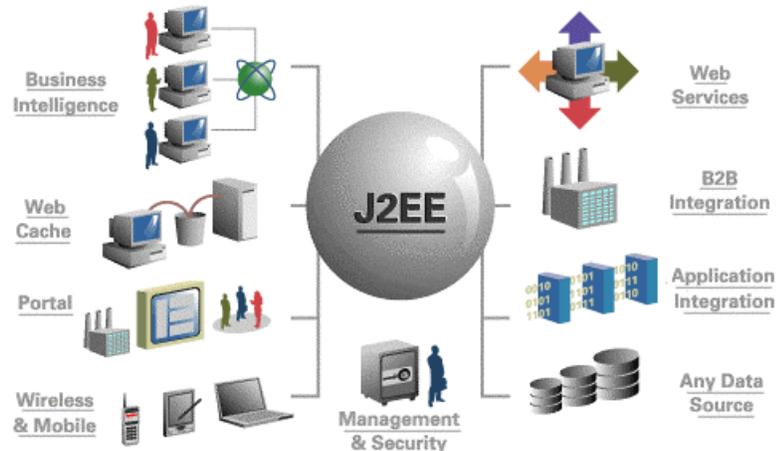
KEY FEATURES



- Reduce the cost of deploying, integrating and monitoring business applications.
- Deploy on Enterprise Grids to lower hardware and administration costs while increasing system availability.
- Accelerate applications on the fastest 100% compliant J2EE server.
- Develop, monitor, and manage standards-based Web services.
- Automate business processes spanning web services, packaged applications and partners.
- Accelerate site performance with web caching.
- Cluster commodity hardware for high availability.
- Increase productivity with an enterprise portal.
- Empower better decisions with integrated business intelligence.
- Build applications once for delivery to any device, anywhere.
- Lower support costs with single sign-on facilities.
- Improve security with centralized user provisioning.
- Reduce middleware complexity with a complete and integrated application server.

Oracle Application Server 10g is an integrated, standards-based software platform that allows organizations of all sizes to be more responsive to changing business requirements. It provides all the middleware services you need to deploy and manage applications and Web services, deliver personalized applications through enterprise portals and mobile devices, provide real-time business intelligence, integrate applications, and automate business processes. Support for open standards and out-of-the-box interoperability with hundreds of third-party applications and tools enable you to derive maximum value from your existing investments. Together, Oracle Application Server and Oracle Database deliver high levels of performance and availability for a broad range of information system requirements.

Oracle Application Server 10g



Support for Enterprise Grids

Oracle Application Server 10g is optimized to take full advantage of cluster computing and enterprise grid deployment architectures. Migrate your IT systems to an Enterprise Grid and benefit from increased business flexibility, lower hardware costs, lower administration costs, and higher levels of service.

- Add system capacity quickly with automated software and user provisioning. Oracle Application Server provides the business flexibility you need while eliminating expensive and time-consuming system administration tasks.
- Accommodate fluctuations in demand and changing requirements with Policy-Based Workload Management. With Oracle Application Server, valuable

system resources can be allocated where they are needed most, allowing you to get more value from your existing infrastructure.

- Enjoy the security and reliability of a mainframe – at a fraction of the cost. Oracle Application Server’s advanced security, scalability, and high availability features enable you to achieve the highest levels of service on the lowest-cost commodity hardware.
- Get a clear view of your business-critical systems with advanced Application Monitoring. Monitor end-user performance, locate and eliminate performance bottlenecks, and make tuning decisions based on historical trend data.

J2EE

Oracle Application Server supports the latest J2EE standards and has the industry's lightest, fastest and most reliable J2EE server.

- Oracle Application Server is fully J2EE certified and provides advanced development and deployment support for J2EE applications and Web Services.
- Oracle Application Server has been optimized for extremely fast Java code execution. Multiple industry-standard benchmarks have proven that Oracle Application Server outperforms IBM WebSphere and BEA WebLogic application servers, and Microsoft .Net.
- Oracle Application Server provides a productive development environment that lets developers spend less time coding and testing. All major Java IDEs including Oracle JDeveloper support Oracle Application Server.

Web Services and Integration

Oracle Application Server unites Web services, business-to-business (B2B), data integration, and traditional enterprise application integration (EAI) technologies.

- Web services support is integrated with the fastest, lightest J2EE server available. The result? Quickly develop WS-I compliant Web services with Java and automatically inherit the performance, reliability, and security of Oracle Application Server.
- Advanced integration links component-based Java/J2EE applications with packaged, custom and mainframe applications. It connects to business partners via simple web services or powerful B2B protocols. And it enables access to diverse data sources.
- Business processes spanning all these elements are defined graphically and used to automate and accelerate operations. Processes are managed, monitored, and optimized for continuous operational improvement.

Enterprise Portals

Gain competitive advantage and realize increased productivity by deploying an enterprise portal. This portal acts as the single source of interaction with corporate information and the focal point for conducting day-to-day business.

- Wizard-driven page design and development features give administrators, page designers, and end users a powerful environment to create content-rich,

secure, portal pages - no programming is required! Pre-built “portlets” (reusable portal components) accelerate development; just plug portlets into the Oracle Application Server framework to create an enterprise portal.

- Access any information from any application or data source. Where coding is required, an open infrastructure and an on-line development community give developers the information, code, and tools they need to create new, portlet-enabled applications and to tightly integrate their existing applications.
- Standards are fully embraced: HTTP, HTML, XML, SOAP, J2EE. Integrated support for the WebDAV standard allows business users to publish content directly from their favorite desktop tools.

Business Intelligence

Only Oracle provides a complete, integrated, and low cost business intelligence infrastructure – ad-hoc query and analysis, enterprise reporting, and personalization – delivered through a portal.

- Ad-hoc query functionality enables end users with fast, self-service data access and enhanced analytic capabilities either via client/server or over the web.
- Enterprise reporting capabilities support data from any source. Develop reports in any format and deliver securely to any destination.
- Personalization uses data mining technology to enable 1:1 marketing by dynamically serving real-time, personalized recommendations to both registered customers and anonymous visitors.
- Business intelligence beans provide the most productive environment for extending and customizing your applications with OLAP services.

Mobile and Wireless

For enterprises as well as service providers looking to increase efficiency and drive new revenue with mobile technology, the wireless features of Oracle Application Server offer a complete platform for the development, deployment, and management of mobile applications.

- Multi-channel delivery features of Oracle Application Server enable a new class of web applications that are completely device independent: develop once in XML, deploy to Oracle Application Server — and access from any small screen browser as well as from any phone thanks to voice recognition.
- Alert mobile users of important events. Based on their preference, users can receive alerts as SMS, e-mail or as automated voice calls.
- Mobile services make wireless & voice applications easier to use. For instance, saving frequently used parameters (passwords, addresses, etc) so users don't need to type them in from their device's keyboard. Oracle Application Server also supports personalization based on the user's location.

Single Sign-On (SSO)

Slash IT support costs, and improve security, with single sign-on and centralized user provisioning while sticking to the Java standards.

- Single sign-on across applications, services and web sites increases security while lowering costs.
- Centralized user provisioning ensures a single definition of users, roles, groups and access rights instead of a patchwork of security with unknown gaps.

24x7 Reliability

Oracle Application Server offers advanced clustering and high availability features to keep critical applications up and running 24x7.

- Oracle Application Server features “Zero Unplanned Downtime” with end-to-end clustering, Transparent Application Failover, and the Fast Start Fault Recovery Architecture.™
- Deploy applications without shutting down and re-starting the application server with hot deployment and rolling upgrade support.
- Make your applications that access the Oracle database even more available by taking advantage of Oracle Real Application Clusters for end-to-end availability across the application server and database tiers.

Performance and Scalability

Optimize the performance your Web sites and e-business applications while cost-effectively scaling to meet increased demand.

- Improve the performance and throughput of your J2EE applications with the industry’s lightest and most efficient J2EE server.
- Turbo-charge web sites with built-in caching. By off-loading frequent web page requests to the cache, you can save money on hardware and software infrastructure while better managing fluctuations in Web site load.
- Incrementally scale to support thousands of users while benefiting from the highest degree of reliability and availability with end-to-end cluster support. Adding low-cost commodity hardware to clusters enables you to scale cost-effectively.

Management

Oracle Application Server includes robust, proven system management products to help ensure the continued success of your e-business.

- Streamline the management of database, application servers and deployed applications using a centralized, Web-based management framework. Centrally monitor and configure all Oracle Application Server components including cluster instances.
- Administration requires less time and fewer staff members because Oracle servers can be managed from a single location.