

ORACLE WEB TIER

KEY BENEFITS

HIGH PERFORMANCE HTTP WEB SERVERS WITH SOPHISTICATED PROXY AND CACHING.

BENEFITS

Oracle iPlanet Web Server

- Massively scalable with high performance
- Security including FIPS 140-2 levels 1 and 2 compliance
- GUI and CLI administration options
- HTTP Compression Enables administrators to conserve bandwidth and improve web site performance

Oracle iPlanet Web Proxy Server

- Scalable, flexible caching
- Fine-grained filtering
- Supports LDAP-based user/group/password management for proxy authentication
- Centralized user name and password management
- Enhanced network security

Oracle HTTP Server

- Oracle HTTP Server based on Apache v2.2.10
- Includes integrated plug-in to route requests to Oracle WebLogic Server
- Common Audit Framework for administering audits across Oracle Fusion Middleware components

Oracle Web Cache

- Request Filtering helps prevent malicious code attacks
- Request logging
- Secure caching

Oracle Web Tier includes two leading web server options with reverse proxy and caching solutions to provide the fastest and most secure front-line servers to handle the most demanding http traffic.

Oracle iPlanet Web Server

Oracle iPlanet Web Server is a high-performance Web server that improves Web security, enhances the end-user experience, and reduces the cost and complexity of deploying and managing Web applications. Its multithreaded architecture scales well on modern 64-bit multiprocessor architectures, including systems built using AMD Opteron™, Intel® Xeon®, UltraSPARC®, and Chip Multithreaded (CMT) UltraSPARC® T1/T2 processors and delivers record-setting performance. A widely deployed and proven solution, Oracle iPlanet Web Server is designed to meet the needs of the most demanding, high-traffic Web sites.

Massive Scalability

Oracle iPlanet Web Server delivers the high performance and massive scalability required by global service providers and enterprise IT departments. World-record results demonstrate support for hundreds of thousands of simultaneous HTTP connections and over 130,000 banking operations per second.

Security and data encryption

Comprehensive security capabilities help protect data and increase service availability. Oracle iPlanet Web Server supports a wide variety of technologies that allow data encryption and validation, request authentication, and server process protection.

- FIPS 140-2 levels 1 and 2 compliance means that Oracle iPlanet Web Server meets the demanding security required for use in government and regulated industries.
- Elliptic Curve Cryptography (ECC) is the next generation of public-key cryptography for mobile or wireless environments. ECC is based on a set of algorithms for key generation, encryption, and decryption for performing asymmetric cryptography. Compared to traditional cryptosystems like RSA, ECC offers equivalent security with smaller key sizes that enable faster computations, lower power consumption and memory, and bandwidth savings.
- Increased security through protection from common threats such as Cross Site Scripting (XSS), distributed request attacks against URIs, Denial of Service (DoS) attacks, and excessive requests from IP addresses.
- Dynamic updating of Certificate Revocation Lists (CRLs) allows Public

Key Infrastructure (PKI) management to be combined with high service availability requirements.

- Resources can be secured with built-in access controls and Lightweight Directory Access Protocol (LDAP) with flexible schema support.
- There is out-of-the-box support for Secure Socket Layer (SSL) v2 and v3 functionality, with advanced support for hardware acceleration.
- Native support for Access Control Lists (ACLs) and WebDAV ACLs in conjunction with WebDAV provides fine-grain access control.
- Oracle iPlanet Web Server integrates with Oracle Identity Management products to provide strong and flexible access control to Web-based resources, and improves the user experience using technologies such as single sign-on (SSO).

Administration and manageability

Oracle iPlanet Web Server is datacenter friendly, with robust management capabilities that include cluster management, failover, automatic recovery, dynamic log rotation, and more. The redesigned administration GUI allows fine control over virtual servers, quick access to frequently used tasks, and integrated cluster management without sacrificing ease-of-use from browser-based and command-line (CLI) based interfaces. The CLI is comprehensive, secure, scriptable and can be operated remotely. A JMX-based management infrastructure and SNMP support enables distributed deployments with real-time monitoring and lifecycle management across Web server farms. Most common administration tasks or processes can be executed without requiring restarts.

Oracle iPlanet Web Proxy Server

The iPlanet Web Proxy Server makes it easier for administrators to manage intelligent networks of proxy servers and helps the organization enjoy better network performance. The Oracle iPlanet Web Proxy Server provides efficient, transparent caching of Web documents on demand or on command. It controls access to network resources by granting or denying access based on user name and password, named groups, and IP DNS and host-based wildcard expressions. Clustered configuration and management of multiple proxy servers is enabled. It offers a consistent, cross-platform, easy-to-use administration environment through HTML forms. Organizations can securely provide users with fast, efficient access to appropriate resources.

Oracle HTTP Server

Based on Apache infrastructure plus specific Oracle Fusion Middleware modules to integrate with Oracle Fusion Middleware components, Oracle HTTP Server routes incoming HTTP requests to Oracle WebLogic Server for processing. Oracle HTTP Server also hosts static pages, dynamic pages and applications over the web.

Oracle HTTP Server enables developers to program their site in a variety of languages and technologies, such as the following:

- Perl (through mod_perl and CGI)
- C (through CGI and FastCGI)
- C++ (through FastCGI)
- PHP (through mod_php)
- Oracle PL/SQL

Oracle Web Cache

Oracle Web Cache is a content-aware server accelerator, or reverse proxy, for the Web tier that improves the performance, scalability, and availability of Web sites that run on any Web server or application server, such as Oracle HTTP Server and Oracle WebLogic Server. Oracle Web Cache provides in-memory static & dynamic contents and full & partial page caching, on-the-fly compression, request filtering, built-in clustering, load balancing for throttling, and failover.

Warranty

Visit oracle.com/sun/warranty for Oracle's global warranty support information on Sun products.

Services

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Contact Us

For more information about Oracle Web Tier please visit oracle.com/appserver or call +1.800.786.0404 to speak to an Oracle representative.



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