

# What's New

*Sun™ ONE Application Server*

**Version 7, Enterprise Edition**

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Sun Microsystems, Inc.  
4150 Network Circle  
Santa Clara, CA 95054 U.S.A.

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# What's New in Sun ONE Application Server 7, Enterprise Edition

The Sun™ Open Net Environment (ONE) Application Server 7 family introduces a wide variety of new features that enhance both the developer and operational experience.

The following features are new for Sun ONE Application Server 7. The Enterprise Features section highlights the features that are new for the Sun ONE Application Server 7, Enterprise Edition.

- [Enterprise Features](#)
- [Developer Features](#)
- [Operational Features](#)

## Enterprise Features

The Sun ONE Application Server 7, Enterprise Edition distribution includes the following enterprise features. These features are not available in Platform Edition or Standard Edition:

- Clustering of Sun ONE Application Server instances
- Load balancing of incoming HTTP requests using included load-balancer plug-in or third party load balancers
- HTTP session persistence using the highly-available database (HADB)
- Failover of EJB References within HTTP sessions

# Developer Features

Sun ONE Application Server 7 includes the following developer features:

- Java™ 2 Platform, Enterprise Edition (J2EE™ platform) version 1.3 compatible including
  - JavaServer™ Pages (JSP™) 1.2 and Servlet 2.3 support
  - Enterprise JavaBeans™ (EJB™) 2.0 technology including support for message driven beans
- Java™ 2 Platform, Standard Edition (J2SE™ platform) 1.4
- Integrated Java Web Services
- Updated Sun ONE Studio integration with seamless debugging and deployment
- Dynamic (“hot”) deployment and reloading
- Greatly enhanced Container Managed Persistence (CMP) support
- Easy-to-configure, XML-based server configuration
- Lifecycle listener classes (sophisticated startup and shutdown classes)
- Extensive sample applications
- Apache Ant build facility integration
- HTTP session persistence testing support using the local file system to store persistence data.

# Operational Features

Sun ONE Application Server 7 distribution includes the following operational features:

- Integrated, high-performance HTTP server
- Integrated, proven Sun ONE Message Queue, Platform Edition as the JMS provider
- Virtual HTTP server support for web applications
- Multiple administrative domains per install image (separate application server configurations from single install image)

- Remote web-based administration interface
- Full-featured, remotable command-line interface supporting remote monitoring
- Commands to automate cluster setup and to administer clusters
- Plug-in for redirecting requests from the web server to the Sun ONE Application Server
- Pluggable authentication based on Java Authentication and Authorization Service (JAAS)
- Improved logging with multiple log levels
- Platform-specific packaging with SVR4 style packages for the Solaris™ operation environment
- Right to use Sun ONE Directory Server for user authentication and limited application configuration
- Right to use the Sun ONE Web Server included in the distribution on a different machine than the machine hosting the Sun ONE Application Server
- Load distribution by redirecting requests based upon URIs to a different application server
- Remote monitoring using the SNMP monitoring facilities

See the *Sun ONE Application Server Platform Summary* for more information on specific versions and platforms.

Your rights to use the features are governed by a license that you accept when installing the product. Please review the Supplemental Terms to determine the functionality you may use.

