



Sun Web Stack Release Notes



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Sun Web Stack Release Notes

Release Notes for the Sun Web Stack Software.

Sun Web Stack Release Notes

The release notes contain important information about Sun Web Stack. Known limitations and problems, technical notes, and other information are described here. Read this document before you begin using Sun Web Stack in order to improve your overall installation and operation experience.

Product Description

Sun Web Stack is an integrated stack of popular open source web tier infrastructure technologies such as Apache HTTP Server, MySQL, memcached, PHP, and Ruby On Rails optimized for Solaris, OpenSolaris, and Linux operating platforms.

Component offerings may be different depending upon the operating platform.

System Requirements

This section provides the hardware and software requirements for Sun Web Stack for the supported operating platforms.

Hardware Requirements

Requirement	Solaris	RedHat Linux	OpenSolaris
Processor	x86/x64/SPARC	x86	x86
RAM	As per OS requirement	As per OS requirement	As per OS requirement
HDD Space	2 GB Free	2 GB Free	2 GB Free

Software Requirements

Requirement	Solaris	RedHat Linux	OpenSolaris
Operating System Version	Solaris 10 5/08	RedHat Linux Server 5.2	OpenSolaris 2008.11
Software Requirement	See Sun Web Stack Installation and Configuration Guide	See Sun Web Stack Installation and Configuration Guide	-

General Notes

The table below list the primary components that are bundled with Sun Web Stack.

Component Name	Applicable Platform	Component Type	Component Version	Component Homepage
Apache Server	Solaris/ OpenSolaris/Linux	HTTP Server	2.2.9	http://httpd.apache.org/
lighttpd	Solaris/ OpenSolaris/Linux	HTTP Server	1.4.19	http://www.lighttpd.net/
Squid	Solaris/ OpenSolaris/Linux	Proxy Server	2.6.STABLE17	http://www.squid-cache.org/
MySQL	Solaris/ OpenSolaris/Linux	Database Server	5.0.67	http://www.mysql.com/
PHP	Solaris /OpenSolaris/Linux	Language	5.2.6	http://www.php.net/
Ruby	Solaris/OpenSolaris	Language	1.8.6	http://www.ruby-lang.org/en/
Python	Solaris	Language	2.5.2	http://www.python.org/

Component Name	Applicable Platform	Component Type	Component Version	Component Homepage
memcached	Solaris/ OpenSolaris/Linux	Caching System	1.2.5	http://www.danga.com/memcached/
Apache Tomcat	Solaris /OpenSolaris/Linux	Application Server	5.5.27	http://tomcat.apache.org/

Changes Log

This section lists the changes made in this release of Sun Web Stack for the Solaris, OpenSolaris and RedHat Linux operating platforms.

Solaris and RedHat Linux

Sun Web Stack is the first release of Sun Web Stack on Solaris and RedHat Linux operating platforms.

OpenSolaris

Changes in Sun Web Stack for OpenSolaris 2008.11 (snv101) from Sun Web Stack OpenSolaris 2008.05 (snv_79b)

Changes

- php5 integration supports PEAR / PECL extension.
- memcached support in php5.
- PHP version updated to version 5.2.6
- Dtrace module into Apache2 integrated OpenSolaris.
- Integrated a newer version of suhosin extension within opensolaris.
- php dtrace extension enabled by default.
- Squid Proxy Server integrated into OpenSolaris.
- MySQL 5.0.45 version integrated.
- Interface for user-specified environment variables are available for Apache2.
- libapr and apr-util are in separate packages for other clients to use.
- Apache Tomcat updated to version 5.5.17
- lighttpd 1.4 integrated.
- JDBC Connector 5.1.5 is now part of MySQL 5.0.4 64-bit delivery.
- imap / imap-ssl support within php.
- Ruby dtrace support integrated.
- External Apache modules (fcgid,jk,security) integrated.

- Apache HTTP Server 2.2.9 has a security vulnerability - [CVE-2008-2939](#) . But the one shipped with the Sun Web Stack software has the necessary fix taken from <http://svn.apache.org/viewvc?view=rev&revision=682870>

Bugfixes

- (CR 6624123) Squid does not start because `/var/squid/cache` is not owned by its user.
- (CR 6626831) SUNWsquidu package issues.
- (CR 6628416) `php-config / phpize` scripts contains incorrect build relative and `extension_dir` location.
- (CR 6631480) Apache2 manpage missing.
- (CR 6640476) Squid vulnerable to denial of service per Squid Advisory SQUID-2007:2
- (CR 6657714) PHP MySQL module is incorrectly linked to 4.0 version of MySQL client.
- (CR 6653084) Apache22 service fails to start.
- (CR 6664712) `mysqlconfig` provides incorrect link library configuration.
- (CR 6373222) Apache2 refuses to serve files over 2GB in size.
- (CR 6367565) Bundled Apache2 runs out of file descriptors when there are many virtual hosts.

Installation

For installing and configuring Sun Web Stack, see [Sun Web Stack Installation and Configuration Guide](#).

Documentation

For additional product documentation, see the [Sun Web Stack Documentation Wiki](#).

Licensing

Sun Web Stack is a set of many components from third party open source projects. Each of these components has its own license, as chosen by the third party which owns the component. The following table lists various licenses used in Sun Web Stack.

Component Name	License	License URL
Apache HTTP Server	The Apache License, Version 2.0	http://httpd.apache.org/docs/2.0/license.htm
lighttpd	BSD License	http://www.opensource.org/licenses/bsd-lic
Squid Proxy Server	GNU General Public License	http://www.gnu.org/copyleft/gpl.html
MySQL		
PHP	The PHP License, version 3.0	http://www.php.net/license/3_0.txt
Ruby	Ruby License	http://www.ruby-lang.org/en/LICENSE.txt
Python	Python 2.4.2 license	http://www.python.org/download/releases/2.
memcached	BSD License	http://www.opensource.org/licenses/bsd-lic
Apache Tomcat Server	The Apache License, Version 2.0	http://httpd.apache.org/docs/2.0/license.htm

The Sun-owned source code which includes Installer and Registration tool is under CDDL (<http://www.sun.com/cddl/>).

Known Issues

This section contains information on known bugs and problems in this release and instructions on fixing, avoiding or working around them.

- Sun Web Stack install may fail due to the unavailable dependent packages which are not part of the default Operating System installation. See [Additional Package Dependencies](#).
- Apache Tomcat Server on RHEL depends upon Sun-supplied JDK rpm. This is satisfied by installing the Sun JDK RPM package. Non-rpm distributions of the JDK will not allow the Apache Tomcat Server to install without using the rpm command to bypass dependencies. Download and install the latest Sun JDK RPM package available at <http://java.sun.com/javase/downloads/index.jsp>. Verify that JAVA_HOME is pointing to the newly installed SDK.
- mod_perl on Solaris 10 and OpenSolaris platforms use system Perl which is not thread-safe. Therefore mod_perl cannot be used with the threaded MPM (worker) on Solaris 10 and OpenSolaris platforms. If mod_perl is loaded, it will cause Apache HTTP Server to fail initialization and the following message will appear on the Apache HTTP Server error log:

```
[error] cannot use threaded MPM without ithreads enabled Perl
```

- On RHEL x64 based platforms, Java-based installers (such as GlassFish) bundled with Sun Web Stack fails with an error. This is because the default installer uses the JAVA_HOME environment variable which points to 64-bit JRE. The recommended fix is to install a 32-bit JRE (Sun JRE is recommended) and set JAVA_HOME to a 32-bit JRE directory.

```
# ./sjsas-9_1_02-linux.bin

Checking available disk space...

Checking Java(TM) 2 Runtime Environment...

Extracting Java(TM) 2 Runtime Environment files...

Extracting installation files...

Launching Java(TM) 2 Runtime Environment...
```

```
Attach to native process failed
```

```
Deleting temporary files...
```

- Apache Tomcat Server, by default runs in the development mode. To turn off the development mode, edit `<tomcat>/config/web.xml` to include development parameter in the JSP servlet.

```
<servlet>

<servlet-name>jsp</servlet-name>

<servlet-class>org.apache.jasper.servlet.JspServlet</servlet-class>

<init-param>

<param-name>fork</param-name>

<param-value>>false</param-value>

</init-param>

<init-param>

<param-name>xpoweredBy</param-name>

<param-value>>false</param-value>

</init-param>

<init-param>

<param-name>development</param-name>

<param-value>>false</param-value>

</init-param>
```

```
<load-on-startup>3</load-on-startup>
```

```
</servlet>
```

Support

Community support is available through [Sun Web Stack Forum](#).

Product Registration

Register your copy of Sun Web Stack to stay updated with the latest Sun Web Stack News and Updates. Sun Web Stack has a `$regtool` command for registering the product after the original install, or for registering the product by customers who bypass the installer and add the native packages manually. Register your product using the registration form opened by `$regtool`.

Product Feedback

Submit your product feedback to <http://wikis.sun.com/mywiki/mailto:webstack-discuss@opensolaris.org>.

