

# Sun Java™ System Application Server Platform Edition 8 Update 1 Release Notes

June 2004

Part Number 817-7422

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These release notes contain important information available at the time of the Update 1 release of the Sun Java™ System Application Server Platform Edition 8 product. Enhancements, installation notes, known problems, and other late-breaking issues are addressed here. Read this document before you begin using the Application Server Platform Edition 8 Update 1 product.

This document contains the following sections:

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## What's New in the Application Server

In addition to the features introduced with the Sun Java™ System Application Server Platform Edition 8 product, the Update 1 product provides the following additional enhancements:

- Many customer-escalated issues have been resolved.
- JavaServer Faces has been upgraded to version 1.1. For more information on changes and bug fixes, see the JavaServer Faces Release Notes at:

<http://java.sun.com/j2ee/javaxserverfaces/docs/ReleaseNotes.html>

- Sun Java™ Studio Creator now includes the Application Server 8 Update 1 to address the needs of Java application developers. For more information on Sun Java Studio Creator see:

<http://developers.sun.com/prodtech/javatools/jscreator/index.jsp>

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## Bugs Fixed in This Release

This section lists the customer-escalated issues resolved for the Sun Java™ System Application Server Platform Edition 8 Update 1 product.

**Table 1** Fixed Bugs in Application Server Platform Edition 8 Update 1

Bug Number	Description
4817526	Container resources unavailable outside of request thread
4963035	Negative Incorrect failure. Class cannot be found within this jar (WebEjbReferences)
4987274	Deployment fails if remote interface for the bean is named Util
4991198	Appserver logs user passwords in CLEAR TEXT in the log file
5004437	Redeployments can fail on Windows due to open file streams
5005189	Argument type mismatch error occurs with overridden MCF/RA methods during RAR deployment
5005572	stateful-simple.ear encounters verifier error for AppClientEjbReferencesElement
5005581	bmp-robean.ear encounters incorrect verifier warning for ASEjblsReadOnlyBean test
5005808	samples.jar has a missing sample - jaxrpc-simple
5006160	ests.appclient.elements.AppClientEjbReferencesElement prints incorrect information
5006854	asadmin deploy --virtualservers fails to deploy
5008967	Application Server deletes tool provided data fields from sun-web.xml after deployment
5009555	asadmin with enable assertion (-ea) ON does not work and exits immediately
5010332	OSS/J IBP TCK tests have 9 failures
5012781	While inside service(), session shouldn't be invalid after setMaxInactiveInterval
5015554	update-file-user command removes group
5015922	Timer operations are not allowed after entity timed object finder exception
5016561	JSP debugger issues caused by server issues
5018278	javax.naming.NamingException after a Stop/Start cycle of a web application

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**Table 1** Fixed Bugs in Application Server Platform Edition 8 Update 1

Bug Number	Description
5026588	XA Connections are shared even outside transaction context
5030425	deploydir ignores security-role-mapping changes
5036455	Need to include Verisign CA certs in application server trust store
5036984	Keep Alive algorithm breaks SPECJ 2002

## System Requirements

This section lists the requirements that must be met before installing the Sun Java System Application Server Platform Edition 8 Update 1 product.

- [Platform Requirements](#)
- [JDBC Drivers and Databases](#)
- [Other Requirements](#)

## Platform Requirements

The following table lists the operating systems that are supported for Sun Java System Application Server product.

Operating System	Architecture	Minimum Memory	Recommended Memory	Minimum Disk Space	Recommended Disk Space	JVM
Sun Solaris 8, 9 (SPARC)	32 and 64 bit	256 MB	512 MB	250 MB free	500 MB free	JDK 1.4.2_04
Solaris 9 (x86)	32 and 64 bit	256 MB	512 MB	250 MB free	500 MB free	JDK 1.4.2_04
Sun Java Desktop System	32 bit	256MB	512MB	83 MB free	300 MB free	JDK 1.4.2_04
Redhat Enterprise Linux 2.1 and 3.0	32 bit	256 MB	512 MB	83 MB free	300 MB free	JDK 1.4.2_04
Microsoft Windows 2000 Professional Service Pack 4+	Intel 32 bit	256 MB	512 MB	250 MB free	500 MB free	JDK 1.4.2_04

Operating System	Architecture	Minimum Memory	Recommended Memory	Minimum Disk Space	Recommended Disk Space	JVM
Microsoft Windows XP Professional Service Pack 1+	Intel 32 bit	256 MB	512 MB	250 MB free	500 MB free	JDK 1.4.2_04
Microsoft Windows 2000 Server SP4+	Intel 32 bit	256 MB	512 MB	250 MB free	500 MB free	JDK 1.4.2_04
Microsoft Windows Advanced Server Service Pack 4+, Microsoft Windows Server 2003	Intel 32 bit	256 MB	512 MB	250 MB free	500 MB free	JDK 1.4.2_04

On UNIX, you can check your operating system version using the `uname` command. Disk space can be checked using the `df` command.

## Solaris Patch Requirements

It is recommended that Solaris 8 and 9 users have the Recommended Solaris Patch Cluster installed. This patch cluster is available under “Recommended and Security Patches” here:

<http://sunsolve.sun.com/>

## RedHat Enterprise Linux 3.0 Additional Package Requirements

To run native components of this product, including installer, the following package, which is not part of the standard RedHat Enterprise Linux 3.0 distribution, should be installed:

```
compat-libstdc++-7.3-2.96.118.i386.rpm
```

The package can be downloaded from:

<http://mirrors.kernel.org/redhat/redhat/linux/9/en/os/i386/RedHat/RPMS/compat-libstdc++-7.3-2.96.118.i386.rpm>

## JDBC Drivers and Databases

The Sun Java System Application Server is designed to support connectivity to any DBMS with a corresponding JDBC driver. For a list of components that Sun has tested and found to be acceptable for constructing J2EE compatible database configurations, please refer to the following table:

**Table 2** J2EE Compatible JDBC Drivers

JDBC Vendor	JDBC Driver Type	Supported Database Server
i-net Software	Type 4	Oracle (R) 9.2, 8.17
i-net Software	Type 4	Sybase ASE 12.5.1
i-net Software	Type 4	MS SQL Server 2000 Service Pack 1
IBM	Type 2	IBM DB2 8.1 Service Pack 3
PointBase	Type 4	PointBase Network Server 4.8

For more information about i-net Software, see:

<http://www.inetsoftware.de/>

The following table identifies additional supported JDBC drivers; however these drivers are not J2EE compatible.

**Table 3** JDBC Drivers not J2EE compatible

JDBC Vendor	JDBC Driver Type	Supported Database Server
Oracle	Type 4	Oracle (R) 9.2
Sybase	jConnector	Sybase ASE 12.5.1

Additional drivers have been tested to meet the JDBC requirements of the J2EE 1.4 platform with the JDBC Driver Certification Program. These drivers can be used for JDBC connectivity with the Sun Java System Application Server. While Sun offers no product support for these drivers, we will support the use of these drivers with the Sun Java System Application Server.

## Other Requirements

The following additional requirements should be met before installing the Sun Java System Application Server software.

- **Free space:** your temporary directory must have a minimum of 35MB free for Sun Java System Application Server installation, and 250 MB of free space for the SDK installation.

- **Using the uninstall program:** If you need to remove the application server from your system, it is important to use the uninstall program that is included with the software. If you attempt to use another method, problems will arise when you try to reinstall the same version, or when you install a new version.
- **Free ports:** You must have seven unused ports available.
  - The installation program automatically detects ports in use and suggests currently unused ports for the default settings. By default, the initial default ports are 8080 for the HTTP server, and 4848 for the Admin Server.
  - The installation program will detect used ports and assign two others for you: [Sun Java™ System Message Queue](#) (by default, 7676), and IIOP (by default, 3700 for IIOP and 1060 and 1061 for IIOP/SSL). If these default port numbers are in use, the installation program will assign a random port number from the dynamic port range (note that this may not be the next available port number).
- **Starting previously-installed servers (UNIX)** — unless you are replacing the previously installed server, you should start it before you begin the Sun Java System Application Server installation process. This allows the installation program to detect ports that are in use and avoid assigning them for other uses.
- **Replacing previously-installed servers (UNIX)** — if you have an older version of the Sun Java System Application Server 7 installed that you wish to replace with the current Application Server, you should stop it before installing the new server. Use the installation program upgrade wizard to upgrade the server.
- **Shutting down firewall (Microsoft Windows)** — You must stop any firewall software before installing the Sun Java System Application Server software, because some of this software disables all ports by default. The installation program must be able to accurately determine which ports are available.

For further compatibility information, see the Compatibility Guide available at:

<http://docs.sun.com/db/doc/817-6084>

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## Documentation

In addition to these release notes, the Application Server product includes an entire set of documentation that can be found at this location:

<http://docs.sun.com/db/prod/slappsrv#hic>

The following list provides a brief description of the documentation in the Application Server collection:

- *Quick Start Guide*—Describes how to get started with the Application Server product. Focuses on initial developer exposure; is also suited for users evaluating the product.
- *Installation Guide*—Provides instructions for installing or uninstalling the Application Server software and its components. Supported platforms are listed.
- *J2EE 1.4 Tutorial*—Describes how to develop software using the technologies provided in the Application Server product. You can find the J2EE 1.4 Tutorial here:

<http://java.sun.com/j2ee/1.4/docs/tutorial/doc/index.html>

- *Compatibility Guide*—Provides information on backward compatibility issues.
- *Utility Reference*—Documentation for all command-line interface commands and the Application Server utility commands.
- Online help for the Admin Console—Provides content-specific online help for the Application Server Administration Console web-based interface.
- Online help for the `deploytool` utility—Provides content-specific online help for the Application Server `deploytool` utility.
- Online help for the `Migrationtool` utility—Provides content-specific online help for the Application Server `Migrationtool` utility. The Migration Tool is available for a separate download.
- *Troubleshooting Guide*—Provides information on solving problems associated with the Application Server product.

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## Known Problems and Limitations

This section describes known problems and associated workarounds for the Sun Java System Application Server 8 product. If a summary statement does not specify a particular platform, the problem applies to all platforms.

ID	Summary
none	<p data-bbox="239 270 832 288"><b>A slight behavioral change in the client stubs generation.</b></p> <p data-bbox="239 314 1219 357">The client stubs are generated during deployment process. The deploy operation does not return until the client subs are fully generated.</p> <p data-bbox="239 383 1219 453">For performance concerns, the client stubs generation has been modified to be an asynchronous operation within deployment when the retrieval of client jars is not explicitly requested by the user; the client stubs are no longer guaranteed to be ready for use upon return of the deployment operation.</p> <p data-bbox="239 479 325 496"><b>Solution</b></p> <p data-bbox="239 522 1208 565">Do not copy any client jars directly out of the repository post deployment. Instead, the following ways are the recommended ways to retrieve client stubs with guaranteed integrity:</p> <p data-bbox="239 591 476 609">Command-line interface:</p> <ol data-bbox="239 626 572 687" style="list-style-type: none"> <li>1. <code>asadmin deploy --retrieve=true</code></li> <li>2. <code>asadmin get-client-stubs</code></li> </ol> <p data-bbox="239 713 348 730">Deploytool:</p> <ol data-bbox="239 748 911 808" style="list-style-type: none"> <li>1. Specify retrieval of client jars on the deploy screen.</li> <li>2. Check the client jar retrieval screen for any deployed applications.</li> </ol>
5002049	<p data-bbox="239 835 1143 852"><b>Manpages are incorrect for the create-jvm-options and update-connector-security-map.</b></p> <p data-bbox="239 878 325 895"><b>Solution</b></p> <ol data-bbox="239 913 1219 1260" style="list-style-type: none"> <li>1. The EXAMPLE for the <code>create-jvm-options</code> command should read:  <pre data-bbox="239 956 1219 999">./asadmin create-jvm-options --user admin -w adminadmin --profiler=false --host localhost --port 4848 -- "-Debug=true:"-Xmx256m:"-Dcom.sun.aas.imqBin=export/as8pe/impl/bin"</pre> <p data-bbox="239 1025 743 1043">Command <code>create-jvm-options</code> executed successfully</p> </li> <li>2. The SYNOPSIS for the <code>update-connector-security-map</code> command should read:  <pre data-bbox="239 1104 1219 1260">update-connector-security-map --user admin_user [--password admin_password] [--host localhost] [--port 4848] [--secure -s] [--passwordfile filename] [--terse=false] [--echo=false] [--interactive=true] --poolname connector_connection_pool_name [--addprincipals principal-name[, principal-name]*] [--addusergroups user-group[, user-group]*] [--removeprincipals principal-name[, principal-name]*] [--removeusergroups user-group[, user-group]*] [--mappedusername user_name] [--mappedpassword password] mapname</pre> </li> </ol>



ID	Summary
5002174	<p data-bbox="318 244 1258 293"><b>On Microsoft Windows, intermittent corruption of PATH environment variable content after product uninstallation.</b></p> <p data-bbox="318 314 1272 362">If the “Add bin directory to PATH” installation option is selected during installation, content of PATH environment variable may get corrupted after installation.</p> <p data-bbox="318 383 1279 432">The corrupted PATH variable will have a random set of characters appended as the last entry in the PATH. This additional PATH entry generally will not affect system functioning.</p> <p data-bbox="318 453 396 473">Solution</p> <p data-bbox="318 494 1293 543">Use the Windows Control Panel, System, Advanced, Environment variables tool to edit the content of the PATH environment variable and remove the superfluous characters.</p>
5003356	<p data-bbox="318 564 832 585"><b>Missing entries in server.policy file after upgrade.</b></p> <p data-bbox="318 605 1300 682">User chooses to upgrade from Sun ONE Application Server 7.x Platform Edition to Sun Java System Application Server Platform Edition 8. After the upgrade process is complete, the updated server.policy file loses two entries that were existing prior to the upgrade.</p> <p data-bbox="318 703 404 723">Solution</p> <p data-bbox="318 744 1086 765">Edit <code>install_dir/domains/domain_name/config/server.policy</code> file as follows:</p> <ol data-bbox="318 786 775 807" style="list-style-type: none"> <li>1. Add the following lines to the end of the file:</li> </ol> <pre data-bbox="318 828 846 925">//ANT classes get all permissions by default grant codeBase "file:\${com.sun.aas.antLib}/-" {     permission java.security.AllPermission; };</pre> <ol data-bbox="318 946 1260 994" style="list-style-type: none"> <li>2. Locate “// Basic set of required permissions granted...” block in the file. Add the following lines inside this grant block:</li> </ol> <pre data-bbox="318 1015 1203 1064">// work-around for pointbase bug 4864405 permission java.io.FilePermission "\${com.sun.aas.instanceRoot}\${/}-", "delete";</pre> <p data-bbox="318 1085 1225 1133">The original server.policy file, before upgrading, is saved in the same directory with file named <code>server.policy.back</code>. Please refer to this file to identify where the missing lines were placed.</p>

ID	Summary
5004911	<p data-bbox="239 239 1119 291"><b>Using Deploytool, unable to deploy an application with database mappings that were automatically created.</b></p> <p data-bbox="239 309 1159 335">The problem occurs after creating database mappings and then trying to deploy the application.</p> <p data-bbox="239 352 508 378">Create database mappings:</p> <ol data-bbox="239 395 1222 647" style="list-style-type: none"> <li>1. Select a CMP EJB in the Files tree view.</li> <li>2. Click on the Sun-specific Settings button in the EJB JAR General tab to display the CMP Database dialog.</li> <li>3. Click on the Create Database Mappings button to display the dialog.</li> <li>4. In the Create Database Mappings dialog, select Automatically Generate Necessary Tables.</li> <li>5. Select OK.</li> <li>6. Close the CMP Database dialog.</li> </ol> <p data-bbox="239 664 459 690">Deploy the application:</p> <ol data-bbox="239 708 696 769" style="list-style-type: none"> <li>1. Select the application in the Files tree view.</li> <li>2. Select Deploy from the Tools menu.</li> </ol> <p data-bbox="239 786 888 812">The application is not deployed and the following error is displayed:</p> <p data-bbox="239 829 891 855">Referenced schema is not present in jar: RosterAppJ2DB_team-ejb</p> <p data-bbox="239 855 1133 907">Adding the schema and saving the archive or replacing the mapping, by triggering the Create Database Mapping action, will correct this.</p> <p data-bbox="239 925 328 951"><b>Solution</b></p> <p data-bbox="239 968 474 994">Dismiss the error dialog.</p> <p data-bbox="239 1012 442 1038">Save the application:</p> <ol data-bbox="239 1055 696 1116" style="list-style-type: none"> <li>1. Select the application in the Files tree view.</li> <li>2. Select Save from the File menu.</li> </ol> <p data-bbox="239 1133 459 1159">Deploy the application:</p> <ol data-bbox="239 1177 722 1237" style="list-style-type: none"> <li>1. Select the application from the Files tree view.</li> <li>2. Select Deploy from the Tools menu.</li> </ol>

ID	Summary
5005059	<p data-bbox="318 244 1300 295"><b>Using Deploytool, when two CMP EAR files are opened with the same name, the mapping is not displayed for the second EAR.</b></p> <p data-bbox="318 314 1300 390">To view the mapping, select the Sun-specific Settings button in the EJB JAR General tab to display the CMP Database dialog. A Packaging Warning message is displayed: Referenced schema not present in jar... No mapping is displayed for the second EAR opened.</p> <p data-bbox="318 409 1243 460">If you attempt to perform the mapping again, another error message is displayed: Cannot create schema from cmproster.dbschema. Please check the schema file...</p> <p data-bbox="318 479 405 499"><b>Solution</b></p> <p data-bbox="318 519 1286 595">Close the first application and remove <i>earname.dir</i> under the deploytool temporary directory. The temporary directory location is displayed on the General panel of the Edit Preferences dialog. Select Preferences under the Edit menu to display the Edit Preferences dialog.</p>
5005168	<p data-bbox="318 614 1286 664"><b>On Microsoft Windows, while using Deploytool, after adding a CMP EJB to an EAR file, it may not be possible to create database mappings for that EJB.</b></p> <p data-bbox="318 683 1222 734">When adding a CMP EJB that has a dbschema file to an EAR, an exception is thrown and the mappings dialog cannot be closed. Deploytool must be terminated externally.</p> <p data-bbox="318 753 811 774">Add CMP EJB that has a dbschema file to an EAR:</p> <ol data-bbox="318 793 1082 814" style="list-style-type: none"> <li>1. Select Add to Application --&gt; Enterprise JavaBean JAR from the File menu.</li> </ol> <p data-bbox="318 833 586 854">Create database mappings:</p> <ol data-bbox="318 873 1225 1006" style="list-style-type: none"> <li>1. Click on the Sun-specific Settings button on the EJB JAR General tab to bring up the CMP Database dialog.</li> <li>2. Click on the Create Database Mappings button.</li> <li>3. Select Map to Tables in Database Schema File and choose the schema file.</li> </ol> <p data-bbox="318 1025 1300 1076">When trying to create database mappings, an exception is thrown and the mappings dialog cannot be closed: javax.ejb.EJBException: nested exception is: java.lang.ClassNotFoundException</p> <p data-bbox="318 1095 405 1116"><b>Solution</b></p> <p data-bbox="318 1135 889 1156">After adding the CMP EJB to an EAR, save the application:</p> <ol data-bbox="318 1175 772 1237" style="list-style-type: none"> <li>1. Select the application in the Files tree view.</li> <li>2. Select Save from the File menu.</li> </ol> <p data-bbox="318 1256 501 1277">Restart deploytool:</p> <ol data-bbox="318 1296 654 1359" style="list-style-type: none"> <li>1. Select Exit from the File menu.</li> <li>2. Start deploytool.</li> </ol> <p data-bbox="318 1378 586 1399">Create database mappings:</p> <ol data-bbox="318 1418 1225 1551" style="list-style-type: none"> <li>1. Click on the Sun-specific Settings button on the EJB JAR General tab to bring up the CMP Database dialog.</li> <li>2. Click on the Create Database Mappings button.</li> <li>3. Select Map to Tables in Database Schema File and choose the schema file.</li> </ol>

ID	Summary
5005169	<p data-bbox="239 244 1222 293"><b>Using Deploytool, cannot Create Database Mappings from a dbschema file that has been added to a CMP EJB which is embedded in an EAR and already contains a dbschema file.</b></p> <p data-bbox="239 314 1222 387">The problem happens when a second dbschema file is added to a CMP EJB which is embedded in an EAR and already contains a dbschema file. The database mappings cannot be created from the second dbschema file.</p> <p data-bbox="239 407 325 428"><b>Solution</b></p> <ol data-bbox="239 449 1143 743" style="list-style-type: none"> <li>1. Save the application.</li> <li>2. Restart the deploytool.</li> <li>3. Create database mappings using the newly added dbschema file: <ul style="list-style-type: none"> <li>•Click on the Sun-specific Settings button on the EJB JAR General tab to display the CMP Database dialog.</li> <li>•Click on the Create Database Mappings button.</li> <li>•Select Map to Tables in Database Schema File and choose the newly added schema file.</li> <li>•Click OK.</li> </ul> </li> </ol>
5005792	<p data-bbox="239 765 1222 814"><b>Unsupported: RedHat Fedora (core 1) requires the libstdc++ package to be installed in order to install J2EE1.4SDK.</b></p> <p data-bbox="239 835 325 855"><b>Solution</b></p> <p data-bbox="239 876 1222 925">The install package named <code>compat-libstdc++-7.3-2.96.118.i386.rpm</code> can be found on disk 3 of the Fedora ISO installation CD image for core1.</p>
5009854	<p data-bbox="239 947 1222 968"><b>Intermittent Power User installation failure on Windows platform while creating server domain</b></p> <p data-bbox="239 987 1222 1036">Installation run by Power User on Windows platforms fails during the domain creation and the following error is logged in installation log file:</p> <pre data-bbox="287 1057 1143 1137">ERROR - default domain creation returned following exception: abnormal subprocess termination: Detailed Message: '?#' is not recognized as an internal or external command, operable program or batch file.</pre> <p data-bbox="239 1157 325 1178"><b>Solution</b></p> <p data-bbox="239 1199 1222 1248">Since this problem happens intermittently, another installation can be attempted after uninstalling the content of the original installation using provided uninstaller.</p> <p data-bbox="239 1269 1222 1341">Since all necessary product files will be installed by such installation, another option is to create missing default domain manually using <code>asadmin</code> command. In order to create the domain, the <code>install_dir\domains\domain1</code> folder should be deleted and the following command should be run:</p> <pre data-bbox="287 1362 1193 1418">install_dir\bin\asadmin create-domain --adminport admin_port --adminuser admin_user --adminpassword admin_password --instanceport http_port domain1</pre> <p data-bbox="239 1439 1222 1487">Values for <code>admin_port</code>, <code>admin_user</code>, <code>admin_password</code>, and <code>http_port</code> should match the values that were originally supplied at product installation.</p>

ID	Summary
5013585	<p data-bbox="318 244 1239 295"><b>On Windows,adding the Application Server /bin directory to the PATH doesn't take effect immediately.</b></p> <p data-bbox="318 314 1239 390">If the installation option to add Application Server /bin directory to the user's PATH environment variable is selected, installer will correctly update the variable value, but the new value will not automatically take effect.</p> <p data-bbox="318 409 405 434"><b>Solution</b></p> <p data-bbox="318 453 1250 501">To force a refresh of the environment settings any one of following actions can be taken after the installation:</p> <ul data-bbox="318 520 1250 612" style="list-style-type: none"> <li>• Apply environment changes by selecting Start-&gt;Settings-&gt;Control Panel-&gt;System. Select the "Advanced" tab. Click on "Environment Variables" button. Click on "OK" button.</li> <li>• Logout of the current user session and log back in.</li> </ul>
5014416	<p data-bbox="318 631 1265 682"><b>Documentation neglects to provide directions for supporting unknown Primary Key in CMP beans.</b></p> <p data-bbox="318 701 405 725"><b>Solution</b></p> <p data-bbox="318 744 1005 769">To use unknown Primary Key feature for a CMP bean, do the following:</p> <ol data-bbox="318 788 1058 847" style="list-style-type: none"> <li>1. Do not define primary key fields in your bean.</li> <li>2. Define primary key class as <code>java.lang.Object</code> in deployment descriptor.</li> </ol> <p data-bbox="318 866 975 890">If you map your CMP bean to an existing table, make sure the table:</p> <ul data-bbox="318 909 1022 1012" style="list-style-type: none"> <li>• has only one primary key column</li> <li>• is not mapped to any other CMP field</li> <li>• is a NUMERIC type with precision 19 or higher (to store a long value)</li> </ul> <p data-bbox="318 1031 1290 1081">If you rely on the CMP module to generate the mapping, you do not need to perform any other steps. When such a bean is created, the primary key value will be populated by the Persistence Manager.</p>
5014452	<p data-bbox="318 1100 1103 1124"><b>Addendum to the Sun Java System Application Server 8 Developer's Guide.</b></p> <p data-bbox="318 1144 405 1168"><b>Solution</b></p> <p data-bbox="318 1187 1265 1236">Added support for CMP beans with <code>java.lang.String</code> primary key fields mapped to a fixed length character.</p>

ID	Summary
5014466	<p data-bbox="239 243 1025 267"><b>Addendum to the Sun Java System Application Server 8 Developer's Guide.</b></p> <p data-bbox="239 282 325 303"><b>Solution</b></p> <p data-bbox="239 324 811 348">Supporting join table to map all types of CMP relationships:</p> <p data-bbox="239 366 1199 414">CMR field that represents 1-N (Or 1-1) relationship between CMP beans can now be mapped to join table.</p> <p data-bbox="239 434 365 458">For example:</p> <ul data-bbox="239 473 1220 812" style="list-style-type: none"><li data-bbox="239 473 1148 498">• Department bean is mapped to a DEPARTMENT table with a primary key column "deptid".</li><li data-bbox="239 515 1093 539">• Employee bean is mapped to an EMPLOYEE table with primary key column "empid".</li><li data-bbox="239 557 1175 605">• CMR field "employees" in a Department bean is a 1-N relationship to an Employee bean, and represents a Collection of employees in this department.</li><li data-bbox="239 623 1220 812">• This field can be mapped:<ul data-bbox="301 664 1189 812" style="list-style-type: none"><li data-bbox="301 664 925 689">• Either by a foreign key "deptid" field in an EMPLOYEE table</li><li data-bbox="301 706 1189 812">• Or a join table EMPLOYEE_DEPARTMENT with columns "empid" and "deptid" that are both foreign keys to the corresponding columns in EMPLOYEE and DEPARTMENT tables. you might consider a unique constraint on the "empid" column to guarantee that each Employee belongs to only one department.</li></ul></li></ul>
5043719	<p data-bbox="239 831 968 855"><b>Standalone web module gets loaded on all virtual servers after restart.</b></p> <p data-bbox="239 873 1220 1005">When a standalone web module is deployed to specific virtual servers (by specifying the <code>--virtualservers</code> option to the <code>asadmin deploy</code> command), the web module will be accessible only through those HTTP listeners associated with the specified virtual servers. However, after stopping and restarting the server, the web module will be deployed to all configured virtual servers (not just the previously specified ones) and accessible through their associated HTTP listeners.</p> <p data-bbox="239 1022 325 1043"><b>Solution</b></p> <p data-bbox="239 1064 1220 1112">When a web module is to be deployed to a subset of virtual servers only, it must be wrapped inside an EAR file.</p>
5050743	<p data-bbox="239 1133 1168 1182"><b>Documentation neglects inform user of the clear-text passwords stored in the Application Server files.</b></p> <p data-bbox="239 1203 1213 1251">Following files can contain clear-text passwords. Users should verify that these files have appropriate permission settings in order to avoid unauthorized access.</p> <pre data-bbox="287 1272 725 1355">\$HOME/.asadminprefs (Unix) %USERPROFILE%\asadminprefs (Windows) installdir/domain.xml</pre>

ID	Summary
5052205	<p data-bbox="318 244 1068 269"><b>Wrong error message for JSP pages whose java code has syntax errors.</b></p> <p data-bbox="318 284 1293 336">If a JSP page contains scriptlet code that is syntactically incorrect (e.g., opening brace does not have matching closing brace), the following error message may be returned to the client:</p> <pre data-bbox="365 355 1293 526">org.apache.jasper.JasperException: Unable to compile class for JSP No Java compiler was found to compile the generated source for the JSP. This can usually be solved by copying manually \$JAVA_HOME/lib/tools.jar from the JDK to the common/lib directory of the Tomcat server, followed by a Tomcat restart. If using an alternate Java compiler, please check its installation and access path.</pre> <p data-bbox="318 545 1236 597">This error message is misleading and should be ignored. It is being caused by a bug in the way compilation error messages for scriptlets are being propagated.</p> <p data-bbox="318 614 405 638"><b>Solution</b></p> <p data-bbox="318 656 911 680">Check server log file for root cause of JSP compilation errors.</p>
5052946	<p data-bbox="318 699 782 723"><b>capture-schema with Oracle LOB data types.</b></p> <p data-bbox="318 739 1293 843">The capture-schema utility will not successfully capture all of the table information needed by the CMP container if you are using the inet Oraxno 2.06 or later driver. The maximum size for a LOB DataType on Oracle is 4GB. Starting with inet Oraxno release 2.06, the JDBC driver will not return the correct size of 4GB for a LOB via <code>DatabaseMetaData.getColumns()</code>.</p> <p data-bbox="318 862 405 887"><b>Solution</b></p> <p data-bbox="318 902 1293 982">You may use a previous version of the inet Oraxno driver with capture-schema as a workaround. This will not effect the use of the Oraxno 2.06 driver with the Sun Java System Application Server after you capture the information for the schema.</p> <p data-bbox="318 999 1136 1024">This issue will be addressed in a future Sun Java System Application Server release.</p>

## How to Report Problems

Use the following resources to handle problems you may encounter with the Application Server product:

- **Feedback Submittal form**—A form for submitting feedback on the Application Server product, here:

<http://java.sun.com/docs/forms/J2EE14SubmittalForm.html>

- **J2EE-INTEREST list**—A mailing list for J2EE questions, here:

<http://archives.java.sun.com/archives/j2ee-interest.html>

- **Bug database on Java Developer Connection**—To view bugs or to submit a bug, use the Java Developer Connection Bug Parade here:

<http://developer.java.sun.com/servlet/SessionServlet?url=/developer/bugParade/index.jshtml>

- **Java Technology Forums**—An interactive message board for sharing knowledge and questions about Java technologies and programming techniques. Use the J2EE SDK forum here for discussions related to the Sun Java System Application Server 8 Platform Edition product:

<http://forum.java.sun.com/forum.jsp?forum=136>

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## For More Information

Useful information can be found at the following locations:

- **Application Server product information:**

[http://www.sun.com/software/products/appsrvr\\_pe/index.html](http://www.sun.com/software/products/appsrvr_pe/index.html)

- **Java developer resources:**

<http://developer.java.sun.com/>

- **Java 2 Platform, Enterprise Edition (J2EE) site:**

<http://java.sun.com/j2ee/>

- **Application Server product documentation:**

<http://docs.sun.com/db/prod/slappsrv#hic/>

- **Sun Microsystems product documentation:**

<http://docs.sun.com/>



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# Revision History

This section lists the changes that have been made in these release notes after the initial release of the Application Server product

Revision Date	Description of Change
June 2004	Sun Java System Application Server Platform Edition 8 Update 1 release.

## Revision History