



**KERNEL AUTHENTICATION &
AUTHORIZATION FOR J2EE (KAAJEE)
SECURITY SERVICE PROVIDER
INTERFACES (SSPI)
XU*8*781**

**FOR WEBLOGIC (WL) VERSIONS 12.2
AND HIGHER**

RELEASE NOTES

December 2022

Department of Veterans Affairs (VA)
Office of Information and Technology (OI&T)
Product Development

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1. Introduction

1.1. Orientation

Significant KAAJEE and Kaajee Security Provider release objects (JARs, EARs, WARs, etc.) contain a build number in the filenames (e.g., in "kaajee-1.2.0.xxx.jar" where "xxx" is the build number). Build numbers are increments with each new Developer Preview. Consult the following table for KAAJEE build increment details.

1.2. About KAAJEE

Kernel Authentication & Authorization for Java 2 Enterprise Edition (KAAJEE) for Web-based HealthVet applications on WebLogic 10.3.6 and higher, such as Pharmacy Re-Engineering (PRE), provides user authentication to grant access to applications, and retrieves VistA security keys for application authorization. KAAJEE takes advantage of the current user store in VistA to authenticate users in new HealthVet applications. Considered an interim solution, KAAJEE will be enhanced to provide the connection to the Department of Veterans Affairs (VA) Enterprise user authentication (sign-on) system in the future. KAAJEE and Fat-client Kernel Authentication and Authorization (FatKAAT) use VistALink as a connectivity solution from Java 2 Platforms, Enterprise Edition (J2EE) applications to Mumps (M)/VistA.WebLogic Updates Project.

Kaajee Security Provider is a necessary component for KAAJEE's implementation of BEA WebLogic's custom Security Service Provider Interface (SSPI)

The following are features of the KAAJEE SSPI:

- Compatibility with WebLogic 12.2 and higher:
 - WebLogic Versions 12.2 are dependent on JDK 1.8 and higher
 - Ability to "Translate" VistA security keys into J2EE Application Roles
 - Creation and maintenance of temporary user accounts

Historical Notes:

KAAJEE SSPI 8.0.748 was the successor to KAAJEE SSPI 8.0.708, which was originally released to support the BEA WebLogic Server 10.3 platform and utilized a debuted SQLAuthentionProvider interface. Current version 8.0.781 of KAAJEE SSPI now supports Oracle WebLogic Server 12.2 and higher and is fully Fortify and TRM compliant.

Like KAAJEE SSPI 8.0.708, KAAJEE SSPI 8.0.748 provided a custom Authentication Provider "plug-in" for BEA WebLogic J2EE servers, by utilizing a implementation of a newly released SQLAuthentiionProvider interface. It addressed an issue observed periodically on multi-transactional databases. KAAJEE SSPI 8.0.708 was originally released as a WLST script.

1.3. Distribution

Version 8.0.781 of KAAJEE SSPI implements all current features of previous KAAJEE SSPI distributions and follows the same deployment paradigm.

Included in the distribution are the following:

- KAAJEE SSPI WLST script files
- SQL code for the KAAJEE schema implementation

Directory Structure:

- KAAJEE SSPI 8.0.781 retains the same directory structure as in previous KAAJEE SSPI distributions.
- The directory structure of the distribution zip files is as follows:
 - /XU_8.0.xxx – This is the KAAJEE SSPI <root> level folder containing the following files:
 - createDSSSPI.py—KAAJEE SSPI and SSPI DS creation script.
 - createDSSSPI.properties—A sample properties file required as a parameter to the createDSSSPI.py/deleteDSSSPI.py scripts.
 - deleteDSSSPI.py— KAAJEE SSPI and SSPI DS removal script.
 - /sql -- This folder contains the SQL scripts for the following databases:
 - createSchema.sql
 - rollbackSchema.sql
 - upgradeSchema.sql

1.4. For More Information

For more information on any new feature discussed in the Release Notes, please see the KAAJEE SSPI documentation set.

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2. New Features / Changes for KAAJEE SSPI 8.0.781

2.1. Updated WLST deployment script:

This patch:

Changed a conditional operator on the [RemoveGroupMemberships](#) API. Upon user creation, application server is calling this method with a NULL parameter for [Groups](#) to clear user identity.

2.2. Previous Patches:

8.0.748

The deployment script has been updated with the following changes.

- Transaction management property was changed to “OnePhaseCommit” from “TwoPhaseCommit”
- Additional logic was added to check and configure, if necessary, a configuration attribute of the default implementation of an AuthenticationProvider interface.

KAAJEE product line is fully Fortify and TRM compliant. All the dependencies have been updated with the latest TRM-approved versions.

2.3. Dependency Upgrades

- WebLogic: KAAJEE SSPI is now dependent on WebLogic 12.2 and higher.
- Java: KAAJEE SSPI is not Java dependent

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