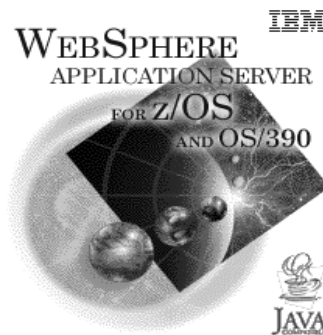
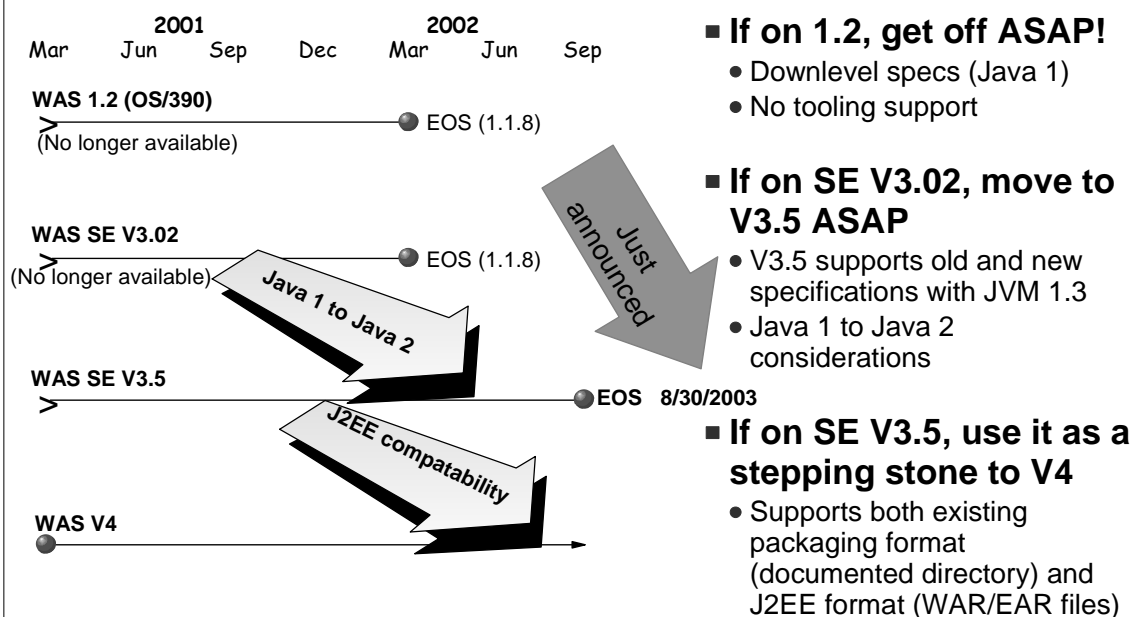


# WAS 390 Enablement

## Migrating Web Applications



## Migration Steps



## Migration from WAS/390 V. 3

- From WAS/390 3.5 SE
  - ▶ DB2 V 5 or 6 -> DB2 V7
  - ▶ PTF for SDK 1.3
  - ▶ Sysplex, RRS, Logger
  - ▶ WLM Goal Mode
  - ▶ LDAP
  - ▶ Tooling: VAJ 3.5.3, WebStudio 3.5.2, AAT & SM EUI
  - ▶ Security: EJBroles, RACF profiles, etc.
  - ▶ JDBC V. 2.0
  - ▶ IMS & CICS CCFs -> J2EE J2Cs
  - ▶ FTP Server
  - **Coexistence - on the same System:**
    - ▶ WAS 3.02 EE canNOT coexist with WAS 4.0
    - ▶ WAS 3.5 SE CAN coexist with WAS 4.0

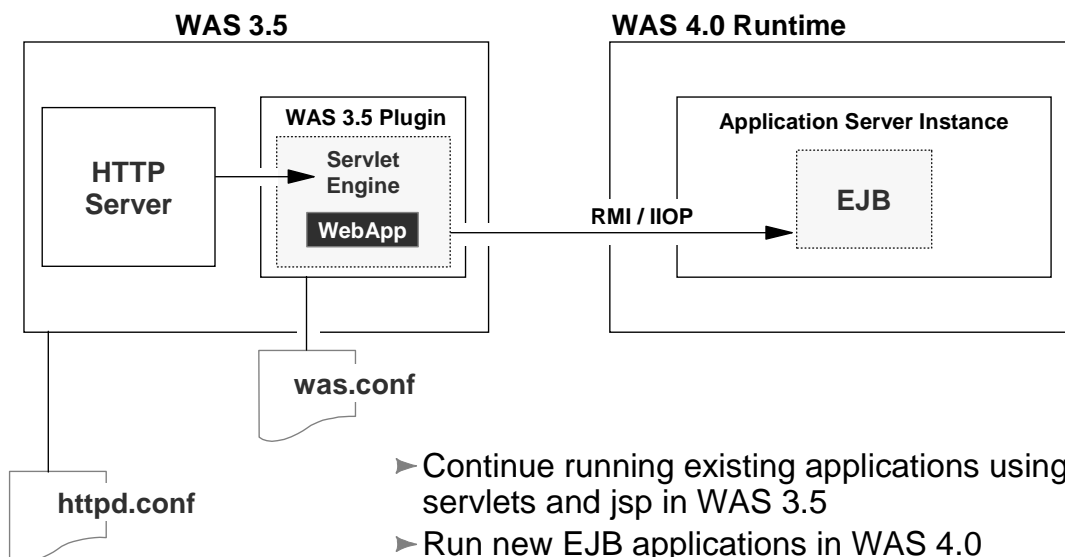


## From Was 3.02

- From WebSphere 3.02
  - ▶ First migrate to WAS 3.5
    - allows for toleration mode
  - or
  - ▶ Migrate directly to 4.0
    - all applications must conform to JAVA 2 spec levels
    - repackage web applications into .war files
    - Use Application Assembly tool to build the .ear files

# From WAS 3.5

## Step #1



- ▶ Continue running existing applications using servlets and jsp in WAS 3.5
- ▶ Run new EJB applications in WAS 4.0
- ▶ Access EJBs from servlets in WAS 3.5 or other remote client

# Updating the WAS 3.5 SE Environment

**httpd.envvars**

Update LIBPATH to include reference to WAS 4.01 "lib" directory:

**/usr/lpp/WebSphere401/lib**

Provide two new variables that allow the WAS 4.01 Runtime environment to be found:

**RESOLVE\_IPNAME=WG31**

**RESOLVE\_PORT=900**

**was.conf**

Add additional JVM parameter to point to "Initial Context Factory"

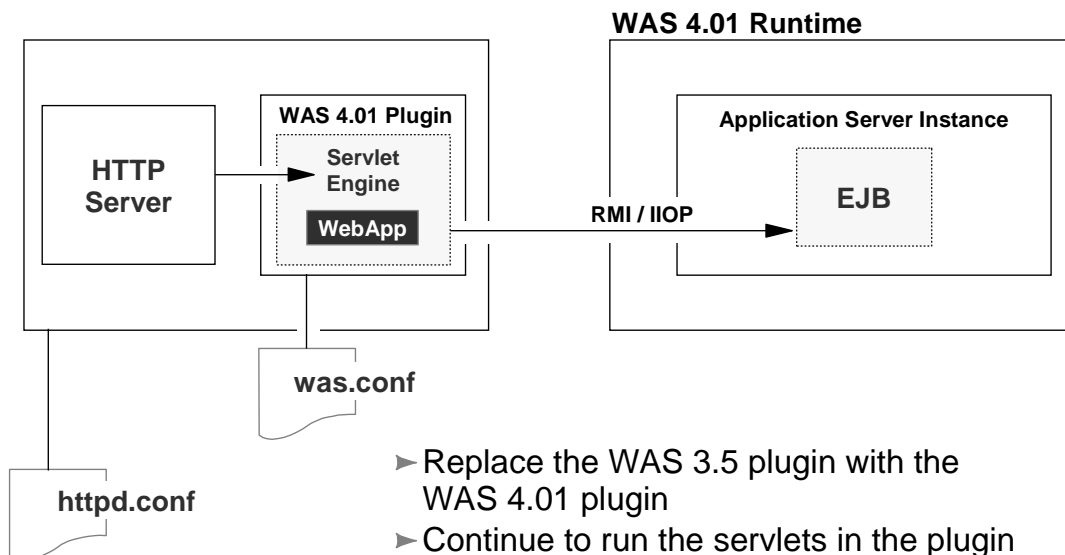
**appserver.java.extraparm=-Djava.naming.factory.initial=  
com.ibm.ws.naming.Idap.WsnLdapInitialContextFactory**

Add a WAS 4.01 JAR file to the WAS CLASSPATH

**appserver.classpath=/usr/lpp/WebSphere401/lib/ws390crt.jar**

■

## Step #2



# WAS 3.5 to WAS 4.01 Plugin

httpd.conf

Change the plugin module name on ServerInit, Service and ServerTerm statements to:

**/usr/lpp/WebSphere401/WebServerPlugin/bin/was400plugin.so**

Make sure first parameter on ServerInit points to the install root of WebSphere 4.0 and *not* WebSphere 3.5

Make sure second parameter on ServerInit points to the was.conf file you intend to use for the 4.01 plugin

httpd.envvars

Append WAS 4.01 plugin message catalog to the NLSPATH variable:

**/usr/lpp/WebSphere401/WebServerPlugin/msg/%L/%N**

Make sure references to JDK are correct (JAVA\_HOME, LIBPATH, etc.)

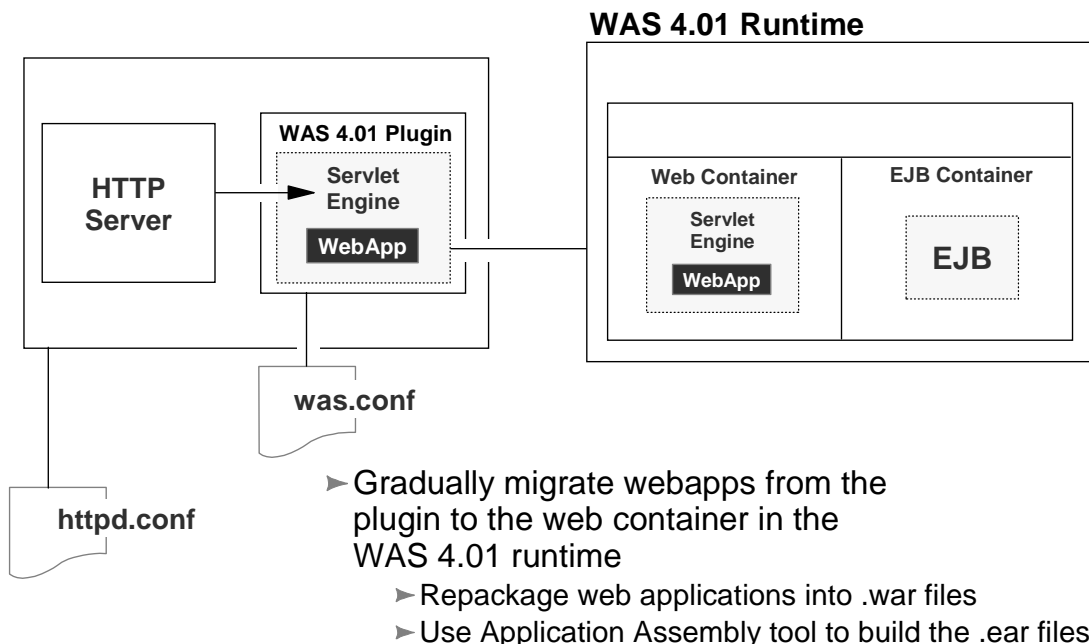
Make sure **RESOLVE\_IPNAME** points to host name of WAS 4.01 Runtime and **RESOLVE\_PORT** points to proper port (900 is default)

was.conf

Change **appserver.version** property from 3.50 to 4.00

Remove the **appserver.java.extraparm** definition if present.

## Step #3



# Servlets

- WAS 4 plugin can either run your servlets and jsp in a 3.5 runtime environment or a 4.01 container in the WAS 4.01 runtime
- Determined by:
  - If...
    - ▶ Serverinit specifies a was.conf and...
    - ▶ was.conf contains deployedwebapp definitions for the application then
    - ▶ run in the WAS 3.5 runtime

## Step #4

