

Migrating to WebSphere Application Server Version 8.0

This topic discusses our experiences migrating WebSphere Application Server Network deployment environment from version 7.0 to version 8.0. This is not a step-by-step procedure, but just highlights of some fallible and misunderstood points. You can obtain detailed migration information from the [WebSphere Application Server Version 8.0 information center](#).

Migrating WebSphere Application Server configurations with migration tools

z/OS Migration Management Toolkit (MMT) is recommended to migrate Websphere Application Server configuration information. In zPET, MMT is used for migrating deployment manager and federated nodes in one network deployment environment.

Migration sequence

In the Websphere Application Server network deployment environment, deployment manager (**dmgr**) should be migrated first. During the federated nodes migration, **dmgr** should be in active status. If there are several federated nodes, migrate these nodes one by one, not concurrently.

System environment variable setting

Set system environment variable `_BPX_SHAREAS` to NO during migration steps. You can set this variable either in the system profile (`/etc/profile`) or in the user profile for the user running the migration job. After migration, this variable can be set to YES.

The user running the migration job

The migration job `BBOWMG3*` is equivalent to jobs `BBOWMPRE`, `BBOWPRO` and `BBOWMPOS`. We ran these jobs under the Websphere Application Server administration userid to avoid file system directory permission issues. The other z/FS data set definition jobs we ran with appropriate authorized userids.

Temporary directory definition

During the migration, a backup copy of our node configuration and log output was created in the temporary directory. We had to make sure that we had adequate space for these backups in the temporary directory, for example `CYL (500,100)`.

CICS and IMS resource adapter migration

Resource adapter archives (RARs) cannot be migrated in the WebSphere Application Server installation. If the J2C resources and RARs are used in the old WAS server installations, you should manually copy the RARs to the corresponding location in the new WebSphere Application Server installation.