Use this self-help tool to plan and execute your WebSphere MQ or IBM MQ for z/OS migration. Step through the tool by clicking on each of the blocks below as applicable.

Updated Oct. 9, 2015. Find the most current version of the document here.

Planning your migration

Check Pre-reqs for your planned target version to ensure capability (click on buttons below)

- WebSphere MQ pre-reqs
- Other IBM products pre-reqs

Task 1 – Determine your migration path

Task 2 – Prepare for your migration

Executing your migration

Task 1 – Purchase the product from Shopz or a sales rep

Task 2 – Install/Migrate

Supplemental resources

Reference links and self-study

Case studies

Case 1 – Multi-stage migration
Case 2 – Cluster migration
Task 1 – Determine your migration path

Special considerations

IBM MQ v8 is the preferred target migration path and should be considered the best option.

When choosing your target version take into account the features included in the new version and weigh the benefits of migrating to the latest version to decrease how often a migration is required.

When skipping versions (for example migrating from v7.0.1 to v8) ensure you look at the What’s New and What’s Changed information for each release you skip to ensure you know all the new features you will gain.

Migration from older unsupported releases may require migration to an intermediate release. See

V7.1: Migration paths
V8.0: Migration paths
Task 2 – Preparing for your migration

**Target version**

- **V7.1** Preparing for migration
- **V8** Preparing for migration

**General migration considerations**

- Migration-related PTFs
- Preventive Service Planning (PSP) buckets
- V7.1: Problems and solutions when migrating to IBM MQ for z/OS
- V8: Problems and solutions when migrating to IBM MQ for z/OS

**Migration coexistence, compatibility and interoperability considerations**

- V7.1 coexistence, compatibility, and interoperability
- V7.1 coexistence including ISPF panels, clusters, QSGs
- V8 coexistence, compatibility, and interoperability
- V8 coexistence including ISPF panels, clusters, QSGs

**Notes**

To be able to migrate back to the prior version, you must apply the migration-related PTFs to the old release, and you must start the new version with OPMODE=(COMPAT,nnn). Backward migration is not possible after OPMODE=(NEWFUNC,nnn) has been used.

If you need to be able to fall back to the old release but do not have the required maintenance applied, take a full backup of the page sets, BSDSs and logs at the old release level (prior to migration) after the queue manager is shut down cleanly. Any new messages put to the queues at the new release will not be available, and you may experience channel sequence errors, but this back-up will give you a “point in time” to return to.
Execution

Task 2 – Install/Migrate

Order the appropriate version from Shopz or a sales rep

Download the product Program Directory for installation instructions

Perform migration

Perform customization

Optionally, perform Installation Verification Tests (IVT)

Notes
During installation, follow instructions that accompany the installation media, which also refer to the MQ Program Directory

Notes
If the SMP/E APPLY CHECK has errors in the CAUSER section for APARs that do not have PTFs yet, you may:
- Review the APAR to see if it applies to your environment (replace the “A” in the number with a “P” to get the APAR number). If not, you can bypass the HOLD ERROR for that fix.
- Request a ++APAR from the Support Center if one is available.

Be sure to use the SMP/E GROUPTEXEND option as advised in the Program Directory.

Notes
A common step missed during customization is to check for new or updated CSQINxx initialization input data sets in SCSQPROC.

V7.1 MQ Program Directory

V8 Program Directory

V7.1 Migration Tasks

V8 Migration Tasks

V7.1 Customization tasks

V8 Customization tasks

V7.1 IVT

V8 IVT
Use Case
MGR Financial is tasked with migrating off of WebSphere MQ V7.0.1 as it is no longer supported by IBM as of September 30th, 2015. There are three queue managers that are part of a Queue Sharing Group (QSG).

Migration Path
See the links below for details. A few highlights are:

- You will need to apply coexistence PTFs for the current release. Follow instructions in the PTF hold data to run CSQ45xxx jobs. Start every queue manager in the QSG at the old release with this maintenance level.
- You will run CSQ45xxT, CSQ45BPL, and CSQ45GEX jobs from SCSQPROC for the new release to migrate the DB2 tables.
- You can migrate the queue managers to the new release one at a time. An outage of the entire QSG is not required.
- If you need to set OPMODE with NEWFUNC to take advantage of a new function controlled by this parm, each queue manager in the QSG will need NEWFUNC set and will need to be restarted. All but the last queue manager started in this mode will need to be restarted a second time for NEWFUNC to take effect.
Case Study
Migration to IBM MQ V8 in a cluster of QMgrs

Use Case
Hydra Pharmacology is tasked with migrating WebSphere MQ V7.0.1, because it is going out of support on September 30th, 2015. These older queue managers are in a WMQ cluster and are responsible for processing prescriptions for 200+ satellite pharmacies.

Migration Path
Migrate to a supported release of V7.1 or V8.

IBM recommends migrating all Full Repositories before migrating any Partial Repositories. Also, migrate all Full repositories at the same time.

If some members of the cluster are on distributed platforms, review the migration guide for those platforms using the link below.

Planning
- Migrating a queue manager cluster
- Queue manager cluster migration
- Clustering: Migration and modification best practices

Self-study
- Migration Guide for distributed platforms