

This presentation will cover migrating to TXSeries for Multiplatforms V6 from the previous version of TXSeries.



The goal of this presentation is to provide an overview of the migration process available with TXSeries for Multiplatforms V6.



The agenda for this presentation is to describe migration considerations and the steps involved in migrating to TXSeries for Multiplatforms V6 from the previous version of TXSeries.



This section will take you through the migration considerations.



It is important to understand that multiple versions of TXSeries cannot co-exist on the same machine. Because of this, migrating the old version of TXSeries to a new machine is considered optimal. This will give you the benefit in having minimal downtime of your systems where the current level of TXSeries is functional, and will also provide you an opportunity to upgrade the supporting software and conduct testing in the migrated environment.



With TXSeries V6, you will need to define and configure SFS servers and PPC Gateway servers on the same machine where your CICS regions are defined.



Before migrating, you should ensure the latest level of supported IBM and third-party products are installed. You should also review the release notes for any new or changed features, and to ensure backward compatibility for your CICS server applications. For example, with TXSeries V6 there are new resource definition attributes introduced, such as ServerMemCheckInterval that enables checking of process memory growth, that will need your attention. If you have written scripts to interpret CICS logs such as console, symrecs and CSMT.out then you must check for any changes in the format of these logs.



This section will describe the steps necessary to perform the migration.



Begin the migration procedure by first migrating the CICS region definitions. For this you will need to export the region definitions of the current version of TXSeries using the cicsexport command. The cicsexport command will create an archive file containing the region data. This archive file must be transferred in BINARY mode to the target machine where the new version of TXSeries is installed. Once transferred, you will use the cicsimport command to import the region data from the transferred archive file. The cicsimport command will create the CICS region by reading the definitions from the archive file.



Once the region definitions are imported successfully using the cicsimport command, run the cicsmigrate command to generate a migration script. The migration script will contain all the instructions necessary to migrate the region definitions to the new version of TXSeries. The migration script must be run to complete the migration of the CICS region.

On Windows platforms, the migration script is not generated and the migration of CICS region definitions is done by the cicsmigrate command. Ensure that you do a cold start of the CICS region in order to pick up the migrated region definitions.



Continuing the migration of CICS region definitions, you will need to migrate the application and CICS specific data from your file manager or the resource manager.

Migration of the application data stored in the VSAM file manager can be done using the supplied commands with TXSeries. For instance, if you are using the SFS server as your file manager, you can run the cicssdt command to help you migrate the application data. Apart from the application data stored in these file managers, there are CICS region specific VSAM files which are used to store information related to Temporary Storage Queues, Transient Data Queues, and Timed start of user transactions. If you want this information to persist you will require to migrate the CICS region specific VSAM files as well.

Migration of the application data stored in the resource manager is performed using the utilities provided by the resource manager. For example, if you are using IBM® DB2® as your resource manager, use the DB2 import and export utility to migrate.



You must consider rebuilding of the language runtimes, XA switch-load files, CICS server applications, BMS maps, and external modules if there is a change in the TXSeries version such as in this migration.

For language runtime, if you are using Micro Focus Server Express COBOL on UNIX platforms, you will need to re-build the language runtime using the cicsmkcobol command. For other language runtimes supported by TXSeries, you will be using the pre-built language runtime supplied with the TXSeries product.

If you are using any XA compliant resource managers or file managers, you will need to rebuild the switch-load files.

If you are using your own compile and link scripts to produce CICS server application modules you will be required to review the compile, link options and additional library modules linked as specified in the cicstcl utility.

A rebuild is required for any external modules that use TXSeries components, such as User Exit programs, External Authentication Modules, External Security Manager modules, and Monitoring or statistics formatters.



In summary, this presentation covered migration related considerations and general migration process for migrating to TXSeries for Multiplatforms V6.

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