TXSeries CICS

Migration considerations when migrating to TXSeries V6.0

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Migration Thoughts

- Two versions of TXSeries **cannot** co-exist on a machine
  - ▸ Migration of a single machine is therefore
    - Export CICS regions
    - De-install old version of TXSeries
    - Install new version of TXSeries
    - Import and migrate region definitions

  - ▸ Migration to a new machine is a simpler process
    - Less downtime
    - Opportunity for housekeeping
    - Opportunity to upgrade supporting software and retest

Migration Thoughts

- Ensure the latest level of supported software is installed
  - ▸ See http://www.ibm.com/software/htp/cics/txseries/

- Review any new resource definition attributes added and modify their values accordingly. For example:
  - ▸ TCPProcessCount [LD definition]
  - ▸ ServerMemCheckInterval [RD definition]
  - ▸ NameService [RD definition]

- Check user written scripts working against files such as the **console**, **symrecs**, or **CSMT.out** as message formats can change

Region Migration Steps

- Export the CICS regions to be migrated to an archive file
  - ▶ cicsexport -r <region> -o <archive>

- Import the CICS region on system with latest CICS level
  - ▶ cicsimport -r <region> -i <archive>

- Migrate the CICS region definitions to the latest level
  - ▶ cicsmigrate –r <region> -g <script> -o <log>
  - ▶ Run the upgrade script as generated by the cicsmigrate tool

  AIX

  - ▶ cicsmigrate <region>

  Windows

  - ▶ The command updates the region directly without needing a script

- Cold start the CICS region

General Migration Steps

- SFS Server
  - ▸ Migrate any SFS application data using **cicssdt** or **sfsadmin** commands
  - ▸ Only migrate region's SFS files if data must persist the migration
    - Files called <region>CICS** and used for TS, TD, IC
  - ▸ Region will create the SFS files on first startup if missing

- Recompile any EAM and ESM modules (external security)

- Recompile any XA switchload files and run **cicsdb2conf** or **cicsoraconf**

- If using Micro Focus Cobol, rebuild runtime libraries using cicsmkcobol

- Recompile all programs and BMS maps

Migrating to TXSeries CICS 6.0: Key points

- CICS regions and SFS server must exist on same machine

- Same applies to PPC Gateways

- CICS-TCP communications only available if both regions are on the same machine.

Migrating to TXSeries CICS 6.0: Known issues

- After creating the SFS server the server will not start. It receives:
  - ▸ ERZ058001E Unsuccessful load of program '/usr/lpp/cics/lib/libcicsencsa.o'; error 8
  - ▸ Enable "Asynchronous IO" and restart the machine
  - ▸ See Support Flash **1226254**

- CICS now has a Garbage Collector process. Sometimes this fails to start with the message:
  - ▸ "Failed to check and/or initialize garbage process"
  - ▸ The most common reason for this error is that cicsgc process could not be located in the PATH environment variable or "/var/cics_servers/cicsipc".
  - ▸ See Support Flash **1230888**