

# White Paper

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IBM Sterling Gentran Server for iSeries Job Scheduler Troubleshooting

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### Purpose

Use the Job Scheduling feature to schedule jobs to run automatically at specified dates and times. Each time you set up a job schedule, you update the Job Scheduling Master file with a "system reminder notice" to run the job every time you specified. You can use the Job Scheduler to schedule any Sterling Gentran:Server System Administration task as well as any non- Sterling Gentran:Server jobs you wish to schedule.

Note: Jobs may not be scheduled from the following iSeries profiles:

QDBSHR, QDOC, QLPAUTO, QLPINSTALL, QRJE, QSECOFR, QSPL, QTSTRQS, QDFTOWN, and QSYS.

The Job Scheduler helps you automate repetitive daily processing tasks by using a basic, one-time scheduled run routine. This feature is very flexible. You can specify any job with several different run parameters and schedules. After specifying a Job's run parameters, you may "inactivate" the job causing it to temporarily cease from automatically queuing to the Job Scheduler on the schedule you set without losing the run parameters. At a later date you can then "activate" it to queue to the Job Scheduler, using the run parameters you scheduled. You can even put a queued job "on hold", or add a non-scheduled job (one that you have not placed on the Job Scheduling Master file) to the Job Scheduler's queue to run at a specified time and date.

Although you can run your jobs interactively, the Job Scheduling feature can increase your efficiency by automating most of the steps.

Alternate scheduling option would be the iSeries OS Robot scheduler.

IBM Sterling Gentran Server for iSeries Job Scheduler (Subsystem naming as listed below)

Subsystem GENTRAN350 would be for Gentran 3.5 Release

Subsystem GENTRAN360 would be for Gentran 3.6 release

NOTE: If you are unsure of your Gentran release, key in PTR at the command line and enter, it will display release and point release that you are on.

### Troubleshooting issues/questions

#### **Scheduler is not scheduling jobs or running**

1. WRKACTJOB – Is the GENTRAN360 subsystem up and running?
  - a. Yes – Is a SCHEDULER job running under GENTRAN360 subsystem?
    - i. Yes – 5- Work with Scheduled Job, 10-Display Job Log, F10 Expanded Info, F18-Go to bottom, any errors?
    - ii. No – WRKSPLF QPGMR, Look for Scheduler Job log
      1. Found job log - Display last job log found for Job Scheduler – look for error that caused job to end.
      2. Job log not found – WRKACTJOB 5. Work with GENTRAN360 subsystem, 10. Display job log, F10 Expanded Info
  - b. No – STRSBS GENTRAN360

Be able to provide subsystem setup DSPSBSD GENTRAN360 and DSPDTAARA SCHEDULER to support along with scheduler job log information from above.

#### **Why am I getting the error ‘QPGMR not authorized to XXX (where XXX is the iSeries user id)?**

The scheduler runs under the user profile QPGMR, therefore when the schedule job tries to submit a job that was scheduled using another user profile, QPGMR has to have authority to that user profile. When you schedule a job via the Job Scheduler Master panel the default user ID is the user ID of the current user. The iSeries user ID of the current user or whatever user ID is specified must be setup with QPGMR \*USE authority to that user profile. In order to resolve the above error, specify a user ID of QPGMR when scheduling jobs on the Job Scheduler Master panel or change the object authority for the user ID specified to allow QPGMR authority. To change object authority use the command: EDTOBJAUT OBJ(\*LIBL/user ID) OBJTYPE(\*USRPRF)

#### **What job descriptions and job queues are used for Gentran scheduled batch jobs**

The system pulls the library list from the job description and job queue on the master schedule entry, which is set up through the System Administration subsystem in the Work with Job Scheduler function.

The iSeries libraries should follow this order in the job description initial library list:

QTEMP

QGPL

GENTRAN:Server for iSeries DATA and PROGRAM libraries (G3XnDTA/G3xnPGM) where n represents the Gentran version, example: Version 3.6 = G3X6DTA/G3X6PGM)

Any user libraries

**EDIX409 Work with Scheduled Entries is empty (nothing is displaying)?**

DSPDTAARA SCHEDULER Examine Data Area SCHEDULER.

- a. The format is: nnnYYYYMMDD (where nnn = Maximum number of Scheduled Entries to Display on EDIX409 and YYYYMMDD = Date to begin Scheduled Entries
- b. 2. If YYYYMMDD is less than today's date, set YYYYMMDD = today's date in Data Area SCHEDULER