

Check if jobs have been waiting in job queues for a long time

Use this procedure to monitor for jobs that have been waiting in job queue for a long time.

In this example we would like to monitor the following job queues:

QBATCH
QBASE
QPGMR

Step 1 - Add new conditions and "Work with" functions

The following conditions will be added:

JOBQ_WAIT_QBATCH
JOBQ_WAIT_QBASE
JOBQ_WAIT_QPGMR

Use to following commands for job queue QBATCH:

```
PADDSYSCND JOBQ_WAIT_QBATCH TEXT('Waiting time for jobs in queue QBATCH')
PADDNCDCMD COND(JOBQ_WAIT_QBATCH) TEXT('Work with job queue entries')
  CMD('Wrkjobq qbatch') PMT(*NO) DSPSEQ(10)
PADDNCDCMD COND(JOBQ_WAIT_QBATCH) TEXT('Work with job queue entries OPRS')
  CMD('Pwrkjobq qbatch') PMT(*NO) DSPSEQ(20)
PADDNCDCMD COND(JOBQ_WAIT_QBATCH) TEXT('Work with monitoring job')
  CMD('Wrkjobq CHKJOBQTIM') PMT(*NO) DSPSEQ(30)
PADDNCDCMD COND(JOBQ_WAIT_QBATCH) TEXT('Edit monitoring filejob')
  CMD('Pedtfiljob CHKJOBQTIM') PMT(*NO) DSPSEQ(40)
```

Repeat the commands above for job queue QBASE and QPGMR.

Step 2 - Create a monitoring file job

Use option 4 on the PJOB menu to create a new file job CHKJOBQTIM with the following commands:

```
PCHKJOBQ QBATCH TYPE(*QUETIME) COND(JOBQ_WAIT_QBATCH) QUETIME(000500)
PCHKJOBQ QBATCH TYPE(*QUETIME) COND(JOBQ_WAIT_QBASE ) QUETIME(000500)
PCHKJOBQ QBATCH TYPE(*QUETIME) COND(JOBQ_WAIT_QPGMR ) QUETIME(000500)
```

Step 3 - Schedule the monitoring job to be active between 0700 to 1700

Use option 1 on the PJOB menu to add a new job with the following attributes:

```
Time for execution . . . 0700
Text . . . . . Check waiting time for job queues
Sequence . . . . . 1 = Daily
                               Mon Tue Wed Thu Fri Sat Sun
Weekdays . . . . . 1 1 1 1 1 1 1
Command . . . . . Prepfiljob CHKJOBQTIM DLY(*MIN)
Group . . . . . SYM
Job . . . . . CHKJOBQTIM
Job queue . . . . . OPRSNOMAX
```

Step 4 –Test the monitoring file job by submitting a number of testjobs

Make sure the monitoring job is active:

```
Wrkactjob sbs(PDSOPRS)
```

Run the commands below 10 times to simulate a number of long running jobs:

```
SBMJOB CMD(DLYJOB DLY(120)) JOB(TESTJOB) JOBQ(QPGMR)
```

After 6 or 7 minutes you should see that the warning is raised for QPGMR.

After 25 minutes or so the condition should return to normal.