

System Process Requests

System Process Requests is a component (`PRCSMULTI`) located under:

PeopleTools > Process Scheduler > System Process Requests

That allows you to run a number of system level administration processes, jobs and tests.

For developer's this is a great place to find out how to do something as it provides a number of different ways of using the process scheduler. I believe one of the best ways to get better at PeopleSoft development is to understand the system side of things -- there may be options out there that you didn't even know about!

After you create a run control, there are three pages in the component:

- Process Request Dialog for running system processes
- Component Interface to test running a process (`XRFMENU`) through the `PROCESSREQUEST` component interface
- `ProcessRequest` PeopleCode to test running a process through PeopleCode

Press the run button on the run control and you'll be give a list of system processes. You can select one or more of these and run them. The processes provided are a combination of system processes, example/test processes, and jobs.

Some of the useful ones include:

- All Process Type (`ALLTYPES`) job which runs test COBOL, Crystal and SQR programs.
- Database Designer/Database Audit (`DDDAUDIT`) which checks for inconsistencies between PeopleSoft records/indexes and the equivalent database records/indexes.
- Export User Tables (`EXPRTUSR`) which runs a data mover script located at `PS_HOME\scripts\userexport.dms` and exports all users (operators) and out of your system and into an output file called `USEREXPORT.DAT` . This is also a good example of how to run datamover scripts from the process scheduler.
- Process scheduler server clean (`PRCSSRVCLN`) which seems to be for clearing the process scheduler cache?
- Process scheduler system purge (`PRCSYSPURGE`) for purging process scheduler requests, archiving report manager tables, and it also calls `PSXPARCHATTR` for archiving XML publisher reports.
- XML Publisher File Cleanup (`PSXPCLEAN`) for cleaning up working tables associated with XML Publisher.

- XML Publisher Purge (`PSXPDELATTR`) which publishes the message for the `PSXP_CLEANATTR` through Integration Broker. This appears to be for purging XML publisher report search data. This message has a handler, `PurgeAttributes` which lives in the application package class `PSXP_REPORTMGR.AttributeDelAsync` and this is the code that does the cleanup work.
- Swap Audit Report (`SWPAUDIT`) which checks for data integrity problems that may occur when swapping language settings.
- System Audit (`SYSAUDIT`) which is a very powerful tool for checking for inconsistencies in PeopleTools definitions.
- A number of cross reference (`XRF*`) reports. These are useful for impact analysis - for example if you want to see what fields are referenced by PeopleCode (in case you want to modify that field) then run `XRFFLPC` .

The PeopleCode that runs the processes through the `PROCESSREQUEST` component interface is located in Component Record Field PeopleCode: `PRCSMULTI.GBL.PRCSSAMPLEREC.RUNCCNTLCOMPINTF.FieldChange` . This code serves as another good example of how to use a component interface through PeopleCode.

The PeopleCode that runs the processes through the `ProcessRequest` PeopleCode is located in Component Record Field PeopleCode: `PRCSMULTI.GBL.PRCSSAMPLEREC.RUNCCNTLPRCSRQST.FieldChange` . If you ever want to fire another process in your PeopleCode program, then this is how to do it (or you can use the component interface approach).

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