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Carsten's Corner - New Subsystem Entry Commands - Part Two

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Today I continue where I left off last time, adding to the collection of subsystem entry commands. In the first installment of this article series I presented the WRKJOBQE, the WRKJOBQJOB and the WRKRTGE commands. Now its time to introduce you to the Work with Prestart Job Entries (WRKPJE), the Work with Autostart Job Entries (WRKAJE) as well as the Submit Job Description Job (SBMJOBJOB) commands. Let's begin with the former, displaying the WRKPJE command prompt:

```

                                Work with Prestart Job Entries (WRKPJE)

Type choices, press Enter.

Subsystem . . . . . Name

Library . . . . . *LIBL      Name, *LIBL, *CURLIB
  
```

As usual, a help text panel group provides all the details on the command and its parameter.

Running the WRKPJE command against the QCMN subsystem on my system eventually causes the following list panel to appear:

```

                                Work with Prestart Job Entries

WYNDHAMW
                                           21-02-10

13:35:24
Subsystem . . . : QCMN      Subsystem status :
*ACTIVE
Library . . . : QSYS
  
```

```

Type options, press Enter.

    2=Change    3=Copy    4=Remove    5=Work with Job description
6=Display jobs
    7=Work with program    8=Work with active jobs    9=Start prestart
job

                                Start  Wait    ---Thread
affinity---
  Opt  Program    Library    User    Jobs    for job  Group
Level
    QOQSESRV    QSYS        QUSER    *NO     *YES     *SYSVAL
    QNMAPINGD    QSYS        QUSER    *YES     *YES     *SYSVAL
    QNMAREXECD    QSYS        QUSER    *YES     *YES     *SYSVAL
    QACSOTP      QSYS        QUSER    *YES     *YES     *SYSVAL
    QZRCSSVR     QSYS        QUSER    *YES     *YES     *SYSVAL
    QZSCSSVR     QSYS        QUSER    *YES     *YES     *SYSVAL
    QNPSSVR      QSYS        QUSER    *YES     *YES     *SYSVAL

More...
Parameters or command

===>

F3=Exit      F4=Prompt    F5=Refresh    F6=Add prestart job entry
F9=Retrieve
F11=View 2   F12=Cancel   F21=Print list  F24=More keys

```

The above list panel offers eight list options, each allowing you to perform a specific command against the selected prestart job entries and also the function key F6 to add a new prestart job entry. You'll find cursor sensitive online help text to explain each part of the above list panel as well as the list options and function keys. At this point it is probably not all that surprising to learn that the WRKAJE command is modeled over the same skeleton as the previously presented subsystem entry commands – as usual, let us begin with the command prompt:

```

                                Work with Autostart Job Entrs (WRKAJE)

Type choices, press Enter.

```

```

Subsystem . . . . . Name
Library . . . . . *LIBL Name, *LIBL, *CURLIB

```

Again, a help text panel group reveals the details of the command and its parameter. Below is an example of how the resulting list panel looks when run for subsystem APPSVR01 in library QGPL on my system:

```

                                Work with Autostart Job Entries
WYNDHAMW
                                21-02-10
13:37:57
Subsystem . . . : APPSVR01      Subsystem status : *ACTIVE

Library . . . : QGPL

Type options, press Enter.

2=Change   3=Copy           4=Remove   5=Work with job description
8=Work with active jobs    9=Submit job

                                Job

Opt  Job      Description  Library   Text
9    RUNWEBAPP WEB001JD   QUSRSYS   Web application server job
      RUNCSRAPP CSR550JD   QUSRSYS   CSR application server job

Bottom

```

```

Parameters or command

===>

F3=Exit    F4=Prompt    F5=Refresh    F6=Add autostart job entry
F9=Retrieve
F10=Work with subsystem jobs    F12=Cancel    F21=Print list
F24=More keys

```

You have options to change, copy and remove autostart job entries and also to work with the job description associated with it. Additionally you're capable of working with the currently active autostart entry jobs as well as submit any of the listed autostart jobs. As for the latter option, this is supported by the SBMJOBJOB command, the prompt panel of which is introduced below:

```

                                Submit Job Description Job (SBMJOBJOB)

Type choices, press Enter.

Job name . . . . . > RUNWEBAPP      Name
Job description . . . . . > WEB001JD  Name, *JOB
Library . . . . . > QUSRSYS         Name, *LIBL, *CURLIB
Parameter option . . . . . > *USRPRF  *USRPRF, *SYSVAL

```

The command and its parameters are explained in detail in the accompanying help text. In essence, the SBMJOBJOB runs the Submit Job (SBMJOB) command with all crucial parameters pointing to the job description associated with the autostart job entry, specifying the special value *JOB for the respective SBMJOB command parameters. This in turn has the same effect as when the subsystem submits an autostart job as part of the subsystem initiation process.

For the few SBMJOB command parameters not supporting a *JOB special value, you have the option of determining whether the special value *USRPRF, pointing to the corresponding user profile attribute of the user profile referred to by the autostart job description, or the special value *SYSVAL pointing to the corresponding system value as the origin of the parameter in question. Note that in the latter case parameters that do not have a *SYSVAL option will be given the special value *NONE or a special value to the equivalent effect.

The Work with Autostart Job Entries and the Submit Job Description commands originally appeared in the Programming Tips Newsletter. The article discussing the two commands in great detail [can be found here](#).

Next time around I'll present subsystem entry commands dealing with subsystem communication entries as well as work station entries by name and type. In the final installment of this article series I'll also provide a Work with Subsystem Entries (WRKSBSE) command, tying together all the new work with-subsystem entry commands. In the mean time, if you want to learn more about subsystem entries and the crucial role they play in System i work management, [please follow this link](#).

The following sources are involved in creating the WRKPJE, WRKAJE and SBMJOB commands:

```
CBX9961  -- RPGLE  -- Work with Prestart Job Entries - CCP
CBX9961E -- RPGLE  -- Work with Prestart Job Entries - UIM Exit
Program
CBX9961H -- PNLGRP -- Work with Prestart Job Entries - Help

CBX9961P -- PNLGRP -- Work with Prestart Job Entries - Panel Group
CBX9961V -- RPGLE  -- Work with Prestart Job Entries - VCP
CBX9961X -- CMD    -- Work with Prestart Job Entries

CBX9962  -- RPGLE  -- Work with Autostart Job Entries - CCP

CBX9962E -- RPGLE  -- Work with Autostart Job Entries - UIM Exit
Program
CBX9962H -- PNLGRP -- Work with Autostart Job Entries - Help

CBX9962P -- PNLGRP -- Work with Autostart Job Entries - Panel Group

CBX9962V -- RPGLE  -- Work with Autostart Job Entries - VCP

CBX9962X -- CMD    -- Work with Autostart Job Entries

CBX9963  -- CLP    -- Submit Job Description Job - CPP
CBX9963H -- PNLGRP -- Submit Job Description Job - Help
CBX9963V -- RPGLE  -- Submit Job Description Job - VCP
CBX9963X -- CMD    -- Submit Job Description Job

CBX9961M -- CLP    -- Work with Prestart Job Entries - Build command
CBX9962M -- CLP    -- Work with Autostart Job Entries - Build command
```

[Click here to download all of the source code for these great commands](#)

To create all above objects, compile and run **CBX9961M** and **CBX9962M**, following the instructions in each source header. As always, you'll also find compilation instructions in the respective source headers.

Source URL: <http://iprodeveloper.com/systems-management/carstens-corner-new-subsystem-entry-commands-part-two>