


[print](#) | [close](#)

New Command to Create the QDFTJRN Data Areas

[System iNetwork Systems Management Newsletter](#)

[Carsten Flensburg](#)

Carsten Flensburg

Wed, 12/05/2007 (All day)

From the article "V5R4 and PTFs Provide New Automatic Journaling Capabilities" that was included in the October 24, 2007, issue of this newsletter (article ID 55791 at [SystemiNetwork.com](#)):

"We have previously discussed how you can automatically start journaling newly created files by creating the data area named **QDFTJRN**. In V5R4, IBM enhanced the capabilities of the QDFTJRN data area to allow it to automatically start journaling data queues and data areas. V5R4 also introduced the capability to start journaling files not only on create operations but also on restore operations. This means that when you restore an object it can automatically start journaling."

After recent articles in this newsletter about the QDFTJRN data area and functionality, I decided to write a command that makes it simpler and less error-prone to create and maintain the QDFTJRN data area. Meet the SETDFTJRN command:

```

                                Set Default Journal (SETDFTJRN)

Type choices, press Enter.

Library . . . . . >                               Name
Journal . . . . .                               Name
  Library . . . . .                               Name
Journal option:
  Object type . . . . . *NONE                       *NONE, *ALL, *FILE...
  Option . . . . .                               *ALLOPR, *CREATE, *MOVE...
                                + for more values
Create data area . . . . . *NO                       *NO, *YES

```

This command lets you create and maintain the QDFTJRN data area complying with all the rules and validation involved in setting up this facility. If the QDFTJRN data area already exists for a specified library, the current values are retrieved and displayed when the command is prompted and the library name has been entered.

There's a comprehensive online help text included to document all the features and caveats of the QDFTJRN data area. One of the more odd examples of a caveat is the fact that, while the Start Journal Physical File (STRJRNPF) command requires only *OBJOPR and *OBJMGT authority to the journal being journaled to, the QDFTJRN in addition requires the *OBJALTER authority.

I have not found any documentation for this behavior. I have seen the common STRJRNPF requirements mentioned as the only requirement in the Red Paper describing the QDFTJRN data

area ([found here](#)), but the trial and error method led me to the caveat. Look in the command help text for more details.

I'm currently writing a WRKDFTJRN command as a follow-up to this utility. The WRKDFTJRN command provides a "Work with" list interface to the SETDFTJRN command, as well as other commands that are useful in maintaining and monitoring the QDFTJRN data areas.

The SETDFTJRN command includes the following source code:

```
CBX973  -- RPGLE  -- Set Default Journal - CPP
CBX973H -- PNLGRP -- Set Default Journal - Help
CBX973O -- RPGLE  -- Set Default Journal - POP
CBX973V -- RPGLE  -- Set Default Journal - VCP
CBX973X -- CMD    -- Set Default Journal

CBX973M -- CLP    -- Set Default Journal - Build Command
```

Compilation instructions are in the individual source headers. But as a quick create path, compiling and running the CBX973M CL program builds all the command objects for you, just supply the compile library as the only parameter when you call the program. Follow the instructions in the CBX973M source header for more information.

You can download a zip file containing all the source code from
<http://www2.systeminetwork.com/noderesources/code/clubtechcode/setdftjrn.zip>

Note: As with all new programs, test these routines thoroughly before placing them into a production environment. No warranty is expressed nor implied.

Source URL: <http://iprodeveloper.com/availability/new-command-create-qdftjrn-data-areas>