



Retrieve Journal Entry Exit Program

[System iNetwork](#)

System iNEWS Staff

Thu, 10/09/2003 (All day)

The Retrieve Journal Entry (RTVJRNE) command enables you to either retrieve journal entries from your program or to specify an exit program to automatically receive journal entries as they are written to a journal receiver.

The latter method, using an exit program, was incorporated in the DspAudLog utility published in the June 2000 issue of iSeries NEWS. The utility included an exit program to save journal entries to an audit database.

In this newsletter tip, Carsten Flensburg provides an exit program and a simple application that lets you experiment with the exit program to receive journal entries quickly and easily.

At the heart of the source provided in this tip is RPG ILE exit program CBX902, which writes journal entries into log file CBX902F. A sample customer data file is also provided. RCVJRNE will monitor this customer data file for changes and will call exit program CBX902 when changes are detected.

To begin using the exit program, you submit CL program CBX902C to the job queue, where it runs as a never-ending program. CBX902C configures RCVJRNE to call the exit program when a journal entry is received. If no entries have been received for 25 seconds, it passes a zero to indicate that no entries are available. The 25 seconds is specified to prevent the job from timing out after 30 seconds, which is the default delay time for a controlled end job request.

Once CBX902C runs, simply insert, change, or delete the records in customer file CBXDTAF and the exit program will add log entries to file CBX902F.

Also provided is CL program CBX902X, which compiles both programs and creates the physical files, journal receiver, journal, and data area.

Here's a list of the source members included in this tip:

CBX902 -- RPG ILE exit program

CBX902C -- CL program that calls RCVJRNE

CBX902X -- CL program that compiles the programs and creates files

CBXDTAF -- test customer file

CBX902F -- journal entry log file

You can download the above source code at

<http://www2.systeminetwork.com/noderesources/code/clubtechcode/RcvJrnEExit.zip>.

You can read more about RCVJRNE here:

RCVJRNE (Receive Journal Entry)

<http://publib.boulder.ibm.com/iseres/v5r2/ic2924/info/cl/rcvjrne.htm>

Receive journal entries in an exit program

<http://publib.boulder.ibm.com/iseres/v5r2/ic2924/info/rzaki/rzakircvjrntentry.htm>

Finally, iSeries Network Pro VIP members can read about and download the DspAudLog utility here:

<http://www2.systeminetwork.com/article.cfm?ID=7454>

The above source code was written by Carsten Flensburg. For questions regarding this tip, contact Carsten at <mailto:flensburg@novasol.dk>.

Source URL: <http://iprodeveloper.com/rpg-programming/retrieve-journal-entry-exit-program>