



APIs by Example: QRZSCHE and QDCLCFGD APIs

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System iNEWS Staff

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This issue of APIs by Example is brought to you by Carsten Flensburg, who will be providing examples of APIs in future issues about twice a month.

In this issue, he supplies a sample RPG IV program that retrieves the name of the line currently holding the ECS modem. The program uses several APIs, the most notable of which are the Search Hardware Resource Entry (QRZSCHE) and List Configuration Descriptions (QDCLCFGD) APIs.

He includes a simple command and help panel to call the sample RPG IV program, which allows you to quickly verify that the APIs and sample program work.

The sample RPG IV program uses the following APIs:

*** List Configuration Descriptions (QDCLCFGD)**

This API returns a list of configuration descriptions.

<http://publib.boulder.ibm.com/iserics/v5r2/ic2924/index.htm?info/apis/QDCLCFGD.htm>

*** Search Hardware Resource Entry (QRZSCHE)**

QRZSCHE retrieves the resource name of a hardware resource that matches the request criteria. Each call of this API returns only one resource name. Multiple calls may be necessary to obtain all resource names from a possible list of resource names.

<http://publib.boulder.ibm.com/iserics/v5r2/ic2924/index.htm?info/apis/qrzsche.htm>

Create User Space (QUSCRTUS)

This API creates a user space in either the user domain or the system domain.

<http://publib.boulder.ibm.com/iserics/v5r2/ic2924/info/apis/quscertus.htm>

Retrieve Pointer to User Space (QUSPTRUS)

QUSPTRUS retrieves a pointer to the contents of a user-domain user space.

<http://publib.boulder.ibm.com/iserics/v5r2/ic2924/info/apis/qusptrup.htm>

Delete User Space (QUSDLTUS)

This API deletes user spaces created with the Create User Space (QUSCRTUS) API.

<http://publib.boulder.ibm.com/iserics/v5r2/ic2924/info/apis/qusdltus.htm>

Send Program Message (QMHSNDPM)

QMHSNDPM sends a message to a call message queue or the external message queue.

<http://publib.boulder.ibm.com/iserics/v5r2/ic2924/info/apis/QMHSNDPM.htm>

The RPG code is a bit long for this newsletter, but you can obtain it and the command and help source at

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

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/apis-example-qrzsche-and-qdclcfgd-apis>