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Retrieve and Display a User's E-mail Address

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Most of us today use e-mail as our primary communication vehicle. The iSeries has built-in support for e-mail facilities that allow you to use the POP (Post Office Protocol, for inbound e-mail) server and/or the SMTP (Simple Mail Transport Protocol, for outbound e-mail) server. It's quite nice to get an e-mail from an iSeries application program when an event occurs that you want to know about. You can also use e-mail as a means of report distribution.

iSeries e-mail does require some configuration steps. Thankfully, IBM has created a [Web page](#) that contains iSeries e-mail information and links to everything there is to know about the topic.

With the above Web page as a starting point, it can be quite simple to get up and running on iSeries e-mail.

When a user is registered on the iSeries as an SMTP user, a directory entry is made using the WRKDIRe (Work with Directory Entries) command. This is where you specify the user's e-mail address. But once in the directory, there is no easy way to get the e-mail address into a program. This problem was the inspiration behind the commands presented in this issue.

In this issue, Carsten presents the commands DSPDIRSMTP (Display Directory Entry SMTP Name) and RTVDIRSMTP (Retrieve Directory Entry SMTP Name).

The RTVDIRSMTP command takes the following form:

```
Retrieve Dir Entry SMTP Name (RTVDIRSMTP)

Type choices, press Enter.

User identifier:
  User ID . . . . . *USRPRF__ Character value,
*USRPRF
  Address . . . . . _____ Character value
User profile . . . . . *CURRENT__ Name, *CURRENT
CL var for SMTPNAME (63) . . _____ Character value
```

This command must be used in a CL program and retrieves the e-mail address of the user running the program or the user specified on the command. The fully qualified e-mail address is returned into the CL variable named in the SMTPNAME parameter. The variable is defined as a character variable with a length of 63. See the command help text for a full discussion of the parameters.

The DSPDIRSMTP command takes the following form:

Display Dir Entry SMTP Name (DSPDIRSMTP)			
Type choices, press Enter.			
User identifier:			
User ID	*USRPRF__	Character value,	
*USRPRF			
Address	_____	Character value	
User profile	*CURRENT__	Name, *CURRENT	

This command will display the fully qualified e-mail address of the current user or the user specified. Again, see the command help text for a full discussion of the parameters. When this command is run from a command line, a message is sent to the screen message line as shown here:

User profile CARSTEN SMTP name is Carsten.Flensburg@NOVASOL.DK

Carsten has included a great example program. This program is a message queue break-handling program that uses the RTVDIRSMTP command to retrieve the current user's SMTP address and forward the messages that arrive on the message queue to the user's e-mail address.

The following source code is included:

CBX9411	RPGLE	Retrieve Directory Entry SMTP Address
CBX9411H	PNLGRP	Retrieve Directory Entry SMTP Address
CBX9411X	CMD	Retrieve Directory Entry SMTP Address
CBX9412	CLP	Display Directory Entry SMTP Address
CBX9412H	PNLGRP	Display Directory Entry SMTP Address
CBX9412X	CMD	Display Directory Entry SMTP Address
CBX9413	CLP	Break message handling program

See each source member for compile instructions.

Note: The RTVDIRSMTP command must exist before creating the objects for the DSPDIRSMTP command.

You can download a zip file containing all the source code [here](#).

Source URL: <http://iprodeveloper.com/systems-management/retrieve-and-display-user-s-e-mail-address>