REPORT MANAGER

Version 1 Release 9 Modification 0
Enhancement Summary
Program Number 2A55-RM1

Twelfth Edition (March 2003)

Installation Instructions

Restoring the new release

Read the Enhancement Summary to determine if any changes affect your installation. Follow these instructions to install Report Manager V1R9M0 on your iSeries Server:

Note: If you have downloaded this software from the web, instructions specific to installing from the download can be found in the file "readme.htm" which is included in the download.

1. Sign on to the system as the security officer (QSECOFR).

2. Verify that your machine is at OS/400 V4R5M0 or later by running:

    DSPDTAARA DTAARA(QGPL/QSS1MRI)

    Note: If you are running a version of OS/400 earlier than V4R5M0 you can not install Report Manager V1R9M0 on your machine. You must install an earlier version of Report Manager or upgrade the operating system.

3. Verify that user domain objects are allowed in the libraries RPTMGR and QSRV, by running:

    WRKSYSVAL SYSVAL(QALWUSRDMN)

    Take option 5 to display the value. If the value is not *ALL, use option 2 to add libraries RPTMGR and QSRV to the list of libraries where user domain objects are allowed.

    Note: QSRV is required to correctly process PTFs when they are loaded and applied.

4. Mount the distribution media in the appropriate device.

5. Submit the Restore Licensed Program (RSTLICPGM) command to batch:

    RSTLICPGM LICPGM(2A55RM1) DEV(device-name) LNG(2924)

    Note: "device-name" is the device the media was mounted on and is usually OPT01.

6. Enter your permanent authorization code.

7. Determine which PTFs were included on the media by entering the following command:

    DSPPTF LICPGM(2A55RM1)

    A list of current PTFs can be found at www.gumbo.com. If there are newer PTFs available, download and apply them. The bottom of our PTF web page also includes a listing of any IBM PTFs that affect the product.

Enhancements for Report Manager Version 1 Release 9 Modification 0

What's In This Section

This section provides information on Report Manager enhancements for the current release, notes any customer code implications, and describes where to find more information when applicable.

Use abstract as message (MSGUSEABST) Parameter Added

A new report parameter "Use abstract as message" (MSGUSEABST) has been added. With it you can specify that the report's abstract should be used as the message portion of e-mails delivered by the report.

Mail API Used By Report Manager Changed

In previous releases of Report Manager, OS/400's Send Distribution (SNDDST) command was the underlying interface used to generate mail. This interface imposed several inconvenient restrictions such as the requirement that senders be enrolled in the system distribution directory, file names are limited to 8 characters, etc. With this release of Report Manager, OS/400's QtmmSendMail API is used to generate mail.

With the change, Report Manager provides less support for OfficeVision users. If an OfficeVision user's directory entry is configured with an SMTP name, they will still receive distributions from Report Manager. Previously an OfficeVision user was not required to have an SMTP name in order to receive Report Manager distributions.

Aside from OfficeVision users, the ability to deliver Report Manager distributions by way of SNADS tunneling is more restricted. SNADS tunneling involves sending SMTP e-mail to a recipient by way of a second iSeries Server via a SNADS connection. If you are using SNADS tunneling, and in particular you are using *ANY directory entries to accomplish it, call us to discuss your configuration specifics before installing this release.

The vast majority of users, those that use directory entries that simply store an e-mail address or distribution lists made up of such entries will not see a change in Report Manager's behavior.

SUBJECT(*NONE) Special Value Added

A new special value, *NONE, was added to the Subject (SUBJECT) parameter. When specified, the subject line is omitted from the e-mail.

Mail Encoding Changed To *UTF8

Previously, the e-mail encoding was determined by OS/400. For example mail from US CCSID 37 machines was encoded as CCSID 819 ISO-8859-1. Now all mail generated by Report Manager's built in mail support is encoded as CCSID 1208 or *UFT8 which gives support for virtually all source CCSIDs and is understood by all modern mail clients including Outlook. Additionally, *UTF8 is indistinguishable from USASCII for all code points

below decimal 128 (roughly the keys on your keyboard). However if your recipient has an older mail client and your e-mail message contains code points above decimal 127 (for example the cent sign) the recipient may have problems viewing the mail.

Mail Set Up Menu Added

Report Manager now includes Gumbo's Mail Verification And Set Up (MAILSETUP) menu. It contains a variety of options to help you set up mail processing on your system. If you are already sending e-mail from your system you do not need to use this menu.

Display Mail Log (DSPMAILLOG) Command Added

A new command, Display Mail Log (DSPMAILLOG) has been added. The command displays or prints formatted data from OS/400 mail journal QZMF which provides information on the processing and delivery (or non delivery) of mail.

Mail journaling is optional and by default is turned off. To turn on mail journaling run the following command:

    CHGSMTPA JOURNAL(*YES)

ADDRPTSUB Now Processes Generic* Reports

The Add Report Subscription (ADDRPTSUB) command definition has always shown that generic report names were allowed. However if a generic name was specified, the command failed and no subscription was added. Generic support has been added and the command now works properly.

*SPLFCRT, *SPLFOWN USRID() Special Values Added

Two new Network user (USRID) parameter special values were added to the xxxRPTSUB commands. These are *SPLFCRT and *SPLFOWN. When specified, the directory entry for the creator of the spooled file or the owner of the spooled file are substituted as the destination of the subscription, respectively.

*SUBNBR TOOBJ() Special Value Added

*SUBNBR was added to the list of special values processed by a subscription's TOOBJ() parameter. The special value is substituted with the subscription number of the subscription that contains the TOOBJ() value.

*SPLNBR TOOBJ() Special Value Changed

The *SPLNBR TOOBJ() special value now returns the number of the original spooled file processed. Previously, the value returned the number of the current spooled file which could be different if the current spooled file was the result of a filter or duplication operation.

Installation Verification Options Added

An option to "Verify that Report Manager is installed correctly" was added to the RPTADM and RPTMGR menus. The option allows you to accurately verify that the product is successfully loaded on your system using OS/400's CHKPRDOPT command.

Internal *TXT Converter CCSID Change

The internal *TXT file converter now specifies CCSID 1252 which is Windows ANSI instead of 819 as the target CCSID for conversion.

Built In Mailer Now Uses Thread Safe File System

In previous releases, work files were created in the /QDLS file system. This caused problems if a report writer ran as a threaded job. With this release, Report Manager uses the /root file system which is thread safe and the problem is avoided.

QDLS/SPLMAIL Folder No Longer Needed

In previous releases of Report Manager, the built in mailer used a folder in the QDLS file system with the name SPLMAIL when creating temporary files that were passed to OS/400's SNDDST command. The folder is no longer needed. It and any and all subfolders and any and all documents they may contain should be deleted from your system using the WRKFLR command.

PDF Manual Now Included

The product now includes the manual in PDF format. the manual can be found in the directory /Gumbo/ProdData/2A55RM1/doc.

Archive Name Generator Improved

The function that generates archive names can now generate names for spooled files with numbers greater than 999,999.

RTVGSIPTF Command Removed

The RTVGSIPTF command which was ECS modem based PTF retrieval has been removed from the product. PTFs are available for download at www.gumbo.com. You should change your procedures to use this source.

Miscellaneous Report Manager Corrections And Updates

o Start option corrected

Prompting option 1=Start from the WRKRPTWTR display was failing with MCH3601.

o STRRPTWTR Better Error Handling

Trying to start an already active report writer with device *NONE takes a long time to fail and gives a "can not allocate" message instead of the intended "already active" message, making it hard to tell what actually is going on.

o Built in text converter enabled for *AFPDS

The built in text converter now is willing to process spooled files whose printer device type is *AFPDS.

o WRKRPTWTR Option 10 Corrected

WRKRPTWTR's option 10 was displaying the joblog for the wrong active report writer.

o Zero Page Processing Corrected

Report writers were failing with CPF4296 when trying to create a zero page spooled file if LPI() or CPI() contained a fractional value. I.e. CPI(13.3)

Partition Only Licensing Option Added

Gumbo Software, Inc. now offers two choices for licensing our software products for your iSeries Server, system wide licensing and partition licensing. A system wide license applies to a specific iSeries Server serial number and processor group and is good for any and all partitions in the system. A partition license applies to a specific iSeries Server serial number, partition number, and maximum processing capacity, and is not valid for a system that has not been partitioned.

Note: All pre-existing licenses are system wide licenses.

The price of system wide licenses for all of our products, with the except of Report Designer, are tier priced based on your iSeries Server's processor group. You can determine your machine's processor group by running OS/400's WRKLICINF command.

The price of partition only licenses for all of our products, with the except of Report Designer, are based on the maximum processing capacity configured for the partition (rounded up to the nearest tenth). You can determine your partition's maximum processing capacity by running OS/400's STRSST command and taking option 5.

MODCA Miscellaneous Corrections And Updates

o Several generators of MODCA data streams incorrectly account for triplet lengths when specifying the structured field length. Originally this was considered a hard error by the code and processing was terminated. Then, individually, some functions relaxed this and produced only warning messages. The interpretation of length errors has been relaxed for all functions which now issue one and only one warning each.

o Several generators of MODCA data streams incorrectly generate duplicate end document structured fields. This caused a state stack underflow error and terminated processing. The error is now tolerated without complaint.

PID Miscellaneous Corrections And Updates

     o Product packaging has been changed to include the following directory structure with the product:

        /Gumbo/ProdData/2A55RM1
        /Gumbo/ProdData/2A55RM1/doc
        /Gumbo/ProdData/2A55RM1/tmp

        The /doc directory contains product documentation including a copy of the manual in the PDF format. The /tmp directory is used to store temporary files created by the product during processing and is normally empty. These directories can be renamed during the install process using RSTLICPGM's CODHOMEDIR() parameter.

     o Installation procedure is now more robust, saving the previous release contents and restoring them if the install fails. The product usually remains usable after a failure such as objects locked by a user. Previously, a failed install could leave the product with a mix of old and new objects or missing objects rendering it unuseable.

PTX Miscellaneous Corrections And Updates

     o A baseline increment specification of 0 is now treated as "no change".

SCS Miscellaneous Corrections And Updates

     o Previously the SCS parser suppressed blank pages on the theory that they weren't needed. For some spooled files this lead to overlays being placed on the wrong page. Suppression was removed.

SPL Miscellaneous Corrections And Updates

     o Merge component was incorrectly freeing memory resulting in C2M1212 diagnostic on close.

TXT Miscellaneous Corrections And Updates

     o AFPDS Limitation Noted: There is a limitation when converting AFPDS spooled files to text. If the lines of a spooled file are printed out of sequential order, the results will not be as expected. The text processor does not have the ability to "move backward" in the generated data and insert new data into a line that was previously passed. The new data for a preceding line is placed on the current line giving undesirable results. This limitation may be addressed in a future release.