

REPORT MANAGER

Version 1 Release 8 Modification 0
Enhancement Summary
Program Number 2A55-RM1

Eleventh Edition (March 2002)

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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 V1R8M0 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 V4R4M0 or later by running:

```
DSPDTAARA DTAARA(QGPL/QSS1MRI)
```

Note: If you are running a version of OS/400 earlier than V4R4M0 you can not install Report Manager V1R8M0 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.

Enhancements for Report Manager Version 1 Release 8 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.

Reimplement Print Data Stream Processors

Report Manager's filtering and spooled file merging functions utilize print data stream parsers and generators. These have been reimplemented using our new print data stream technology. Were previously the entire spooled file was search from beginning to end for each filter processed, the spooled file is now "indexed" in a single pass and pages selected by a filter are pulled from the index. Filtering performance should be enhanced for almost all spooled files and report filter combinations.

There is the outside possibility that the new parsers will interpret the "position" of the filtered data differently than the original support did. For garden variety *SCS spooled files this is extremely unlikely. For *IPDS or spooled files using font specifications the chance is greater but still remote.

Print positioning information generated by the new parsers can be verified using the new Dump Page Index Positions (DMPPIP) command. Dump an example spooled file using the command and compare the print line/position values generated by the new parsers to the print line/position expected by the filter.

Filtering Support Added For *AFPDS Spooled Files

Report Manager has been enhanced to support filtering and merging of spooled files with a printer device type of *AFPDS. In previous releases, *AFPDS could not be filtered or merged.

Dump Page Index Positions (DMPPIP) Command Added

The Dump Page Index Positions (DMPPIP) command has been added to Report Manager. The command prints the line and position values, as determined by Report Manager's print data stream parsers, for data found in the spooled file. These can be used to accurately specify data selection criteria for the spooled file.

Previously we recommended the Display Spooled File (DSPSPLF) command be used to identify line and position values. This method is accurate and gives the same results as Report Manager for the vast majority of spooled files. However, DSPSPLF gives anomalous results when rendering spooled files containing overprinting particularly for *AFPDS or when fonts are specified.

Merge Spooled File (MRGSPLF) Command Enhanced

Report Manager's Merge Spooled File (MRGSPLF) Command has been enhanced to allow you to split the merged and sorted results into multiple spooled files. When SPLIT(*YES) is specified, a new spooled file is created each time the page sort key changes.

CRTRPT Omit zero page delivery Default Changed

The default value of the OMITZERO (Omit zero page delivery) parameter for the Create Report (CRTRPT) command has been changed from *NO to *YES. Your existing reports are not affected by this change.

Report writer spooled file filtering performance is enhanced if all zero page deliveries are omitted by the subscriptions to a report because report writers now avoid creating a spooled file entirely if there are no pages selected.

If you have software that creates reports on the fly and if your software depends on the OMITZERO(*NO) and if your software did not specify the parameter explicitly, you will need to update and recompile.

New Subscription Subject Special Values

A subscription's subject parameter can specify several new special values:

- *ACGCDE** The accounting code from the job that created the spooled file is used as the subject.
- *PRTTXT** The spooled file's print text is used as the subject.
- *RPTFTR** The report's name and the filter's name make up the subject.
- *USRDTA** The spooled file's user data is used as the subject.

Display Job Log Option Added

A new option (10) has been added to the Work with Report Writer panel. The command displays the joblog of an active Report Writer and can be useful in diagnosing errors encountered in processing. The option fails if the writer is not active.

Field Clear Corrected on WRKRPTSUB

Clearing the subscriber field on the Work with Report Subscriptions panel after entering data resulted in the message "Field value is not a correct object name." This has been corrected.

Option 72 Removed From Menu

Option 72 which displayed the machines serial number and processor group has been removed from the RTPMGR menu and the underlying DSPMCHDTA command deleted from the product. A similar function is provided by OS/400's WRKLICINF command. You should change your procedures to use this command.

Options 12, 66 Removed From Menu

Options 12 and 66 which were ECS modem based PTF retrieval have been removed from the RPTADM and RPTMGR menus respectively. The underlying RTVGSIPTF command remains in the product. At a future release, the command will also be removed. PTFs are available for download at www.gumbo.com. You should change your procedures to use this source.

New *SPLNBR Special Value Added

A new special value, *SPLNBR has been added to the TOOBJ() parameter. The special value causes the spooled file's number is converted to text and substituted into the path.

Report Writer *INDEX Status Added

Report writers now update their status to *INDEX during spooled file indexing which is a precursor to filtering.

Display Report Log Message Retrieval

Previously, Display Report Log incorrectly retrieved message descriptions for messages other than RDMnnnn. The display now correctly retrieves and displays the message.

V5R1M0 Spooled File Numbers

At OS/400 V5R1M0, IBM increased the maximum spooled file number in a job from 9,999 to 999,999. This change was implemented in Report Manager with one exception. Report Manager is unable to automatically create spooled file archive names for spooled files whose number is larger than 9,999. This remains an open issue.