

Report Designer

Enhancement Summary

Licensed Program 2A55RDA V3R5M0



Application Development

Edition

Twenty Fourth Edition (March 2020)

This edition applies to the licensed program Report Designer (Program 2A55RDA), Version 3 Release 5 Modification 0.

This summary is available through option 1 of the RDA menu, in PDF format in directory /Gumbo/Proddata/2A55RDA/doc on your system, and on the web at www.gumbo.com

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Cover image: Lobster, extracted from The New Student's Reference Work, 5 volumes, Chicago, 1914

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Installation Instructions

Follow these instructions to install Report Designer V3R5M0 on IBM i using physical media or a virtual image:

Prepare

If you are upgrading a previous release (if Report Designer is currently installed), perform these steps before installing the software:

1. Read the Enhancement Summary to determine if any changes affect your installation.
2. Insure that the product is not in use, as the installation process must clear the product's library. This will fail if objects such as menus are in use. If the installation fails, the previous release will be restored.

Install

Note: If you are installing from a save file downloaded as an executable zip (.exe), use the save file specific "readme.htm" instructions included in the download.

1. Sign on to the system as the security officer (QSECOFR).
2. Verify that your machine is at IBM i V7R3M0 or later by running:

```
WRKLICINF
```

Note: If you are running a version of IBM i earlier than V7R3M0 you cannot install Report Designer V3R5M0 on your machine. You must install an earlier version of Report Designer or upgrade the operating system.

3. Verify that user domain objects are allowed in the libraries RDA 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 RDA 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. Insure that IBM i will be able to verify the signatures that we apply to our product's objects by installing our Signing Certificate and Root CA Certificate using Digital Certificate Manager. Alternately, insure that signature verification will not prevent the restore operation by running:

```
WRKSYSVAL  SYSVAL(QVFYOBJRST)
```

Take option 5 to display the value. If the value is 3 or higher, use option 2 to temporarily change the value to 1.

5. Mount the physical media or virtual image on the appropriate device.
6. Submit the Restore Licensed Program (RSTLICPGM) command to batch:

```
RSTLICPGM  LICPGM(2A55RDA) DEV(device-name) LNG(2924)
```

Note: Where "device-name" is the device where the media or image was mounted and is usually OPT01.

Note: During the restore operation, the system operator message queue may receive inquiry message CPA3DE4 "Directory not registered. (C G)". Unless you are using a directory naming convention similar to ours (that is the directory specified in the CPA3DE4's second level text is unrelated to our software), you can safely respond with a "G" to reestablish the relationship between the directory and the product. Typically the message will occur three or four times.

Finish

When the RSTLICPGM command completes, library RDA and directory '/Gumbo/ProdData/2A55RDA' contain the new software. To complete the installation:

1. If you have an Authorization or Instructions letter with your permanent authorization code, enter the code now.

Note: Report Designer automatically grants 30 days usage for new installs or 90 days usage for release upgrades.

2. Retrieve the current cumulative Report Designer PTF package by running the following command:

```
RDA/RTVGSIPTF
```

Note: **GUMBO** recommends downloading the current cumulative PTF package after installing the software.

3. Visit our PTF page at www.gumbo.com and check the **Additional IBM i PTF Information** section for IBM PTFs you may need to install.
4. You can access the Report Designer menu by running the following command:

```
GO MENU(RDA/RDA)
```

Enhancements For Report Designer V3R5M0

What's In This Section

This section provides information on Report Designer enhancements for release V3R5M0, notes any customer code implications by marking them with a **COMPATIBILITY WARNING**, and describes where to find more information when applicable.

Retrieve Gumbo PTF (RTVGSIPTF) Command Updated

COMPATIBILITY WARNING

Previously, the Retrieve Gumbo PTF (RTVGSIPTF) command supported downloading PTFs using the FTP protocol. With this release FTP support is removed.

HTTP is now the only protocol for PTF retrieval. If your network restricts HTTP access or if a proxy is required for HTTP access the RTVGSIPTF command will fail. If a proxy is required you must fill in the PROXY() parameter.

The protocol PROTOCOL() parameter remains to provide backward compatibility with existing customer programs. If PROTOCOL(*FTP) is specified, a message is issued, and HTTP is used to communicate with the PTF server.

Encryption Changes

- Replaced RSA MD5 implementation with IBM's built-in API, removing RSA copyright statements and acknowledgements. The product's Export Control Classification Number (ECCN) remains EAR99-NLR i.e. innocuous and exportable anywhere.

Integrated File System Changes

- New function to open (create) a file based on CCSID instead of CPGID added. This facilitates control over the created file's CCSID attribute.
- Glob (wildcard) processing was being too picky, only finding stream files in pure directories. Processing now correctly handles all Integrated File System objects including documents and folders.
- Potential memory leak under error conditions removed from glob processing.
- New internal version V1R5M0 of service program created to position for future enhancements.
- New functions to perform glob (wildcard) processing added.

Message Environment Changes

- New export allows on the fly tuning of an existing message environment's diagnostic message delivery.

Program Distribution Changes

- Added updated signature verification certificates to product.

- Added field fix manager processing to delete resolved font resource users spaces, if requested by a PTF, in order to force regeneration.
- RTVGSIPTF anonymous FTP logon updated to include @gumbo.com.
- A new object signing certificate, to replace the previously used and expiring one, was placed into service on our development systems. If you are using CHKOBJITG to verify the integrity of objects in our software, load the new certificate into the *SIGNATUREVERIFICATION certificate store.
- RTVGSIPTF command failed when there were no PTFs issued for the product.
- CDROM no longer contains older releases in addition to the current releases.
- Previously, a missing product directory didn't cause SAVLICPGM or CHKPRDOPT to fail. Now, diagnostic message CPD3D70 is issued for each missing directory and the operation fails.
- /lib has been added to the product's directory structure to facilitate future enhancements.
- Added QSYSLIBL check to trouble shooting instructions.
- RTVGSIPTF fails if no PTFs currently installed.

Space Management Changes

- Free function avoids call to OS when no memory to free.