

REMOTE SPOOLPRINT3X/400™ UPDATE INSTRUCTIONS

Current Releases:

AS/400: Release 06, Modification 02, PTF 2301

System Requirements:

AS/400: OS/400 Version 6 Release 1 Modification 0 or later

For TCP operation:

- TCP/IP Connectivity Utilities (57xx-TC1)

For TCP operation with Secure Socket layer (SSL):

- IBM HTTP Server for AS/400 (57xx-DG1)
- Digital Certificate Manager (Product Option 34)
- Cryptographic Access Provider for AS/400 (57xx-AC3)

Enhancements

Release 6.2 PTF 0000

ASP Support added. Remote SpoolPrint product libraries can be installed in ASPs other than the System ASP (ASP = 1). Basic ASPs (1 – 32) and Independent ASPs (33 – 256) are supported.

Multiple Instances per LPAR supported. Remote SpoolPrint can have multiple instances within the same LPAR. Each instance operates independently of the others. Multiple instances can be running at the same time.

Release 6.1 PTF 0000

TCP port usage simplified. The TCP subport definitions for the Remote SpoolPrint Server are no longer needed. The main port that the Remote SpoolPrint Server listens on performs the entire transaction. Administrators no longer need to open a large range of ports in their firewalls to use Remote SpoolPrint TCP support.

Wait until end enhanced. The CNLRMWTR and ENDRMSVR commands now have a WAITDLY parameter, which allows the user to specify the timeout value if WAITEND(*YES) is specified.

Release 6.0 PTF 0000

TCP Support added. Users can now send spool entries via TCP/IP between AS/400s. SSL and error correction is supported.

Release 5.3 PTF 0102

BDS Software Server access. Users can now access the BDS Software Server directly from their

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AS/400. Software downloads and current release information can be retrieved.

Problems Corrected

<u>REL</u>	<u>PTF</u>	<u>DESCRIPTION</u>
6.2	2301	TCP Server task, minor communications errors end the server.
6.2	1801	Install & Update, Check for user QSECOFR before setting Storage Area to *NONE.
6.2	0000	SNADS Writers, Remote Writer job always ends abnormally.
6.1	1503	Tasks receive CPD0193 Not authorized to pgm QPMLPMGT.
6.1	1502	Internal modifications.
6.1	1501	BDS User Profile Coordinator, MCH0603 in BDS01 at statement 166.
6.1	1301	(Enhancement) Mirroring, replicated system's password can be specified on the production machine.
6.1	1103	BRSPLUPD cmd, CPF7304 received in BRSPLUPDT at stmt 43300.
6.1	1102	Function checks, I-O errors due to record lock timeouts.
6.1	1101	(Enhancement) Support up to 150k entries in an outq.
6.1	1001	Install/Update, V5R4 machines, CPF3773 (xxx objects not restored).
6.1	0801	Add Processor Group to password expiration messages.
6.1	0702	TCP Writers receiving sys, submitted job can end abnormally with parameter errors.
6.1	0701	Tailoring option Default User not *CREATE, user profile does not exist on receiving system --> MCH3401 in QSPGETSP then BRS1042 w/RC=20 in submitted job.
6.1	0000	BRSPLSETUP, errors from previous screen show up on current display.
6.1	0000	TCP writers, Listen Backlog may be set incorrectly.
6.1	0000	Logging, some records have garbage in the Receive Job fields.
6.1	0000	AS/400 SNA writers, Logging=Yes, Evoke error gives MCH1202 in BRSPL35 at 1058.
6.1	0000	TCP writers, invalid server password gives wrong message.
6.0	0504	STRMSVR, ENDRMSVR cmds, added help text.
6.0	0504	RSPL menu, prompt list commands.
6.0	0503	Internal changes.
6.0	0502	TCP Writers, Target Outq not found, output placed in QGPL/QPRINT.
6.0	0501	(Enhancement) RCTRSPLQ cmd, recreates damaged data queues.
6.0	0402	Target Writers, Default User Profile not = *CREATE, user profiles deleted.
6.0	0401	TCP, Specify IP Addr (not Host Name), Connect error received, path not found.
6.0	0401	Manage Remote Writers, Writer name not displayed on Type screen.
6.0	0305	Remote Writer receives CPF3303 if spool entry deleted.
6.0	0304	Update procedure, Log file BRSPLLOG needed extended multiple times.
6.0	0303	MVS Writers, V5R2, DBCS causes error on CPYSPLF command.
6.0	0302	(Enhancement) TCP, auto detect remote address type.
6.0	0302	TCP400 Writers, User ID *DFT, default User ID/Password not sent.
6.0	0302	BRSPLSETUP, help text information changes.
6.0	0301	TCP Server, start when already started, fcn chk during send message.
6.0	0301	Manage Remote Writers, edit error messages do not display.

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Installation Instructions

Before you begin:

1. See Release Compatibility Table in Appendix F do determine compatibility with remote systems.
2. The update will overlay any changes made to BDS objects by the user (i.e. user exit programs, subsystem description BDS, or S/36 procedure RSPOOL1). The user must reapply any changes made to BDS supplied objects after applying the update.
3. The update will rename/delete/restore user data files. If for any reason the update process does not complete normally, or receives a function check, Remote SpoolPrint will be unusable and/or user data will be lost. Therefore, we recommend you back up the libraries **BRODERICK**, and **BDSBASE** (if it exists) before starting the update.
4. The supplied media contains the entire Remote SpoolPrint package. If you are installing a new instance of Remote SpoolPrint, follow the instructions in Chapter 2, "Installation". Otherwise, use the instructions below to update your existing Remote SpoolPrint instance to the new release.
5. If your old release of Remote SpoolPrint is prior to 6.2 0000, this update will create a new library **BDSBASE** and will move subsystem, class, job description, job queue, and some shared-product objects from library **BRODERICK** to **BDSBASE**. You should update your HA/DR procedures to process library **BDSBASE** similar to how you process library **BRODERICK**. Release 6.2 0000 update also removes the autostart job **BRSPLLOGRQ** from subsystem **BDS**.
6. If you have multiple instances of Remote SpoolPrint running on this LPAR, or you already have one of our other products running on this LPAR you may also need to update them before giving users access to them. Refer to Appendix L, Release Compatibility in the Remote SpoolPrint Users Guide for more information. Failure to do so could cause other BDS software to stop working after this instance is updated.
7. These update procedures update a single instance of Remote SpoolPrint. If you have multiple instances of Remote SpoolPrint running in this LPAR, you must run this procedure for each instance.

Update Procedure:

1. **Important:** Sign on as QSECOFR.
2. Stop all active Remote Writers and Subsystem **BDS**. Stop all Remote Writers on other systems sending output to this system. Stop all other instances of Remote SpoolPrint and all other BDS products running on this LPAR. The update process will require approximately 20 minutes.
3. Load the install program. Enter one of the following:

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If you are using Tape:

```
RSTOBJ OBJ(BRSPLUP*) SAVLIB(RSPL40) DEV(XXXXX) VOL(*MOUNTED)  
RSTLIB(QTEMP)
```

If you are using CD-ROM:

```
RSTOBJ OBJ(BRSPLUP*) SAVLIB(RSPL40) DEV(OPT01) VOL(BDS)  
RSTLIB(QTEMP) OPTFILE(RSPL40)
```

If you are using a Save file:

You should have a save file containing your media. Verify the contents and note the library saved:

```
DSPSAVF FILE(mylib/myfile)
```

The save file should contain objects for library **RSPL40**.

Restore the update objects from the save file containing library **RSPL40** into library QTEMP:

```
RSTOBJ OBJ(BRSPLUP*) SAVLIB(RSPL40) DEV(*SAVF) SAVF(mylib/myfile)  
RSTLIB(QTEMP)
```

Enter the lib/name of the save file containing library **RSPL40** for mylib/myfile.

4. Execute the update procedure:

Note: If you are planning to install library **BDSBASE** into an ASP other than the system ASP (ASP 1), refer to Appendix J, “ASP Considerations” to determine the values for the BASASP parameter on the following BRSPLUPD command. Refer to the command help text for more information regarding the BASASP parameter.

Note: If you have installed Remote SpoolPrint’s program library into an IASP, verify that the IASP device’s status is **AVAILABLE**. Use the command WRKCFGSTS CFGTYPE(*DEV) CFGD(your-IASP-dev).

If you are using Tape or CD-ROM (Press F4 to prompt):

```
QTEMP/BRSPLUPD DEV(XXXXX)
```

If you are using a Save file (Press F4 to prompt):

```
QTEMP/BRSPLUPD DEV(*SAVF) PGMSAVF(mylib/myfile)
```

Enter the save file containing library **RSPL40** for mylib/myfile.

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5. Restart desired Remote Writers.

STRRMWTR RMTWTR(XXXXX) OUTQ(XXXXX/XXXXX)

6. Access the BDS Software Server (optional).

Note: Your AS/400 must be connected to the Internet to perform this procedure.

- a) If you have not done so previously, access the tailoring options screen:

BRODERICK/BRSPLESETUP

- b) Note the fields “BDS Access Userid” and “Password”. You will need a user ID and password to access some of the server options. If needed, contact BDS administration to get this information. If you add your user id and password, press **ENTER** to enter them and re-enter the setup command.

- c) Press F14, E-Comm. The Software Server display will appear. Take note of the options available to you. When you are finished, press F3 to exit.