

Hot Patch 1 for JetForm Output Pak for SAP R/3

This hot patch addresses some issues regarding the RDI Agent and Sort Agent in JetForm Output Pak™ for SAP™ R/3™ 5.2.6.

This patch is supported on Microsoft® Windows NT®, Sun® Solaris, HP-UX®64.

This patch fixes the following issues:

- RDI Agent
 - Setting the JF_JOB_CARD did not supersede the generated job card.
 - Confusion in the documentation between JF_FAX & JF_FAX_NO. Both are now accepted and considered synonymous.
 - Address formatting algorithm was not always in sync with addressing patches in the SAP R/3 system, resulting in addresses that may be formatted differently. For details, see the section “Remote Function Call for RDI Agent” on page 2.
- Sort Agent
 - Some data files were scrambled by the Sort Agent.

Installing the Hot Patch

► To install the Hot Patch

1. Unpack the .zip or tar file for your platform to a temporary directory.
2. Copy the extracted executable files from the temporary directory to the /bin directory where you installed JetForm Central™, by default /jfsrvr. The files included are:

Windows NT	UNIX
jfrdi.exe	jfrdi
jfsort.exe	jfsort
jfsapcon.exe	jfsapcon
saprfc.ini	saprfc.ini

3. Follow the instructions in the sections “Establishing a Connection” on page 2 and “Connecting with JetForm Central” on page 3 to configure the RDI agent.

Remote Function Call for RDI Agent

The RDI Agent now uses Remote Function Calls (RFC) to extract information from SAP R/3 for correct formatting of addresses and other information functions. If RDI Agent cannot make an RFC connection, it uses settings from its configuration file, `jfrdi.ini`, to establish these values and to format addresses. RFC access from the RDI Agent ensures that the agent produces addresses identical to what the SAP R/3 system would produce, regardless of the R/3 version, hot patch number, or table settings used.

Establishing a Connection

To establish an RFC connection with the correct settings for your system, you need to edit the file `saprfc.ini` included with this patch. If you require assistance, contact your Basis Consultant to set up this file correctly.

SAP R/3 provides a tool called **srftest**. You can use this program to test your connection to SAP R/3. To use this tool, install the SAP R/3 RFC SDK for your operating system platform from the presentation CDs. The program is located in the `\bin` directory.

To determine the correct settings to connect to your SAP R/3 system, first attempt entering parameters manually rather than using the `saprfc.ini` file. Once you determine the correct settings for your system, add them to the `saprfc.ini` file and remove any unused portions of text. Retest the connection using the `saprfc.ini` file.

To successfully connect to the SAP R/3 system, you also require a valid user id and password. We recommend testing your `saprfc.ini` setup using a user id you know is valid and works. Typically, a user id with a `SAP_ALL` profile is used for this setup. When moving to the production environment, remember to change the user id to one exclusively for RFC access to avoid any security issues. A specific user id will have only RFC and developer authorizations in its profile and can only connect as a Common Programming Interface Communication (CPIC) user.

► To create a RFC specific user id

1. Go to transaction S002 and select **User Maintenance** → **Users**.
2. Type the new user name, for example JFCPIC, and click **Create**.
3. On the **Address** tab, type the user name, for example JetForm CPIC user.
4. On the **Logon data** tab, type the password for the user.
5. Select **CPIC**.

The `saprfc.ini` file provided with the SAP R/3 RFC SDK contains documentation and examples of different RFC connection types.

6. On the Profiles tab, add the profiles S_A.ADMIN and S_A_DEVELOP.
7. Save the new user information and retest the RFC connection using **srfctest** and the new user id and password.

You can also create a more restrictive profile for use with this id. The following table details the objects and authorizations required.

User id Authorizations

Object	Authorization
S_DEVELOP	S_DEVELOP
S_PROGRAM	S_ABAP_ALL
S_RFC	S_RFC_ALL
S_ADMI_FCD	S_ADMI_ALL

Since addressing information is client dependent, you need to add this user id to each SAP R/3 client that is generating RDI data. Ensure the user name and password are identical on each client.

Connecting with JetForm Central

Once you have a working RFC connection using a secure user id, you are ready to record this information in JetForm Central. Ensure that you have the hot patch components installed.

► To use the RFC connection in JetForm Central

1. Copy your `saprfc.ini` file to the JetForm Central collector directory. The default is `/jfsrvr`.
2. You need to record your user name and password within JetForm Central. The password is encrypted for security reasons. To do this, run the program **jfsapcon**. Running **jfsapcon** tests the connection and if successful, records the user name and encrypted password in the `jfrdi.ini` file for use by the RDI Agent when it requires access to the SAP R/3 system. Use the following arguments when running **jfsapcon**:
 - the path and file name of the `jfrdi.ini` file, for example, `c:\jfsrvr\jfrdi.ini`.
 - the user name for the RFC connection to SAP R/3, for example, `JFCPIC`.
 - the password for the user name, for example, `123456`.
 - the identifier of the SAP R/3 system, for example, `DMO`.
 - the client number to use for verification, for example, `100`.

For example:

```
jfsapcon jfrdiini jfrpic 123456 DMO 100
```

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- Record your system name and default client in the jfrdi.ini file. In the [SPECIAL] section, add the following:

SapDestination=xxx ; xxx is the system identifier, for example, DMO

SapClient=xxx ;xxx is the default client number, for example, 100.

If the RDI Agent is unable to access the SAP R/3 system, it writes an error into the log file, and continues processing by generating the appropriate address information based on its internal algorithm and settings in the jfrdi.ini file.

- When the RDI Agent connects to SAP R/3 to get addressing information, it also updates the addressing tables in the jfrdi.ini file to reflect the SAP R/3 system values. If your SAP R/3 system is not available when the RDI Agent converts an address, it will use the updated values from the .ini file.

You can prevent the RDI Agent from updating the address information in the jfrdi.ini file by adding the following setting to the [SPECIAL] section in the jfrdi.ini:

SapUpdateAddressIniFile=No