StreamServe Persuasion SP4
StreamServe Connect for SAP

Installation Guide

Rev A
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Installing StreamServe Connect for SAP

This guide describes how to install StreamServe Connect for SAP.

Note: This guide only contains StreamServe information specific to the StreamServe Connect for SAP solution. For general information on StreamServe, see the standard StreamServe documentation.

There are four StreamServe Connect solutions available for use with SAP. For solution specific information, see the following documentation:

• StreamServe Connect for SAP - Output+
• StreamServe Connect for SAP - Business Processes
• StreamServe Connect for SAP - Delivery Manager
• StreamServe Connect for SAP - E-docs
Installing StreamServe Connect for SAP
Installing StreamServe Connect for SAP

To build a StreamServe Project with SAP connectivity you must install:

- StreamServe Design Center.
  For instructions, see the StreamServe Installation documentation. For supported platforms, see the Supported platforms and software documentation.
- StreamServe Connect for SAP
  See Installing StreamServe Connect for SAP on page 8.

To deploy and run a StreamServe Project with SAP connectivity you must install:

- StreamServe Framework (on Windows Framework & Control Center)
- StreamServer
  For instructions, see the StreamServe Installation documentation. For supported platforms, see the Supported platforms and software documentation.
- StreamServe Connect for SAP
  See Installing StreamServe Connect for SAP on page 8.

Optionally, you can:

- Register the StreamServe software in the SAP System Landscape Directory
  See Registering in SLD on page 9.
- Configure the SAP Solution Manager for the StreamServe software.
## Installing StreamServe Connect for SAP

To install StreamServe Connect for SAP on Windows

1. Run the StreamServe Connect for SAP setup. The Installation Welcome window opens.

2. Click StreamServe Connect for SAP. Follow the wizard and specify the following information.

**Note:** If you do not want to register the StreamServe product in the System Landscape Directory, you can click **Skip** on the wizard’s SLD registration page.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination Location</td>
<td>The SAP connectivity pack installation folder.</td>
</tr>
<tr>
<td>Select Features</td>
<td>Select the connectivity pack(s) you want to install.</td>
</tr>
<tr>
<td>Delivery Manager configuration</td>
<td>If you have selected to install the Delivery Manager, specify the level of integration to be installed. For more information, see <em>Delivery Manager specifics</em> on page 12.</td>
</tr>
<tr>
<td></td>
<td><strong>DM Command (CMD)</strong> — The strsdmsubmit, strsdmdpoll, strsdmjquery, strsdmdquery, and strsdmjcancel application executables will be installed.</td>
</tr>
<tr>
<td></td>
<td><strong>DM Server and Client (RFC)</strong> — The strsdmservice and strsdmclient services are configured as StreamServe services. If you run SAP and StreamServe on separate physical servers, you must install the strsdmsender on the SAP host. See <em>Installing the DM Sender</em> on page 13.</td>
</tr>
<tr>
<td></td>
<td><strong>DM Command and Client (CMD and RFC)</strong> — The strsdmsubmit, and strsdmjcancel application executables will be installed. The DM Client is configured as a StreamServe service.</td>
</tr>
<tr>
<td>SLD Server</td>
<td>The name of the SLD server.</td>
</tr>
<tr>
<td>Port number</td>
<td>The SLD server port. By default 50000.</td>
</tr>
<tr>
<td>Login name</td>
<td>The user name of the J2EE_admin account</td>
</tr>
<tr>
<td>Password</td>
<td>The password of the J2EE_admin account</td>
</tr>
<tr>
<td>StreamServer host</td>
<td>The name of the host running the StreamServer(s).</td>
</tr>
</tbody>
</table>
The installation process copies the necessary StreamServe files. When complete, the Setup Complete dialog box opens. Click **Finish** to complete the setup.

### To install StreamServe Connect for SAP on Unix

1. Download the required connectivity pack from Download Center, e.g. the following file:
   ```
sapdm-5.4.0.GA.361-i586-suse-linux-libc2.3.3-release.tar.gz
   ```
2. Create a folder under e.g. `/opt`, e.g. `/opt/sapdm`
3. Extract the downloaded file by e.g. using the following command
   ```
gunzip < sapdm-5.4.0.GA.361-i586-suse-linux-libc2.3.3-release.tar.gz | tar xf -
   ```
4. From the Windows version of the StreamServe Connectivity for SAP setup, copy the `saprfc.ini` and `strsdmstart.cfg` example configuration files to the new folder on the SAP machine.

### Registering in SLD

You can register the StreamServe product in the System Landscape Directory (SLD) at the customer site. This is required if you want to use the SAP Solution Manager.

The StreamServe Connect for SAP setup includes a form where you register the StreamServe product as a system in your SLD. If you have installed StreamServe Connect for SAP and chose to skip the SLD registration, you can register it as a separate step:

#### To register in SAP SLD

1. Run the StreamServe Connect for SAP setup.
2. In the wizard’s welcome window, select **Register in SAP System Landscape Directory**.

### Configuring SAP Solution Manager for StreamServe

If you have registered StreamServe in the SLD, you can configure SAP Solution Manager to use it for central solution monitoring of the StreamServe Connect for SAP solution and the StreamServer services.

With the SAP Solution Manager Diagnostics and Root Cause Analysis you can:

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local System Name</td>
<td>The logical name of the StreamServe connection. Leave the default value or enter a new name.</td>
</tr>
</tbody>
</table>
• Monitor StreamServe Connect for SAP solution and the StreamServer services.
• Enable simple root cause analysis by providing paths to the StreamServe configuration and log files.

Note: For detailed information on how to configure SAP Solution Manager Diagnostics and Root Cause Analysis, see the SAP configuration guides.

Required information

The following information is required to set up a simple root cause analysis scenario for StreamServe Connect for SAP in SAP Solution Manager.

Note: SAP recommends Solution Manager 4.0 or newer to use the diagnostics and monitoring functions.

• StreamServe installation directory.
• The log and trace files for the StreamServe installation including StreamServe Connect for SAP.
• The location of the main XML configuration files for the StreamServe installation including StreamServe Connect for SAP.

StreamServe installation directory

• By default the StreamServe software is installed in <sysdrive>\Program Files\StreamServe.

If you want to install the StreamServe software in a different path, you must specify the destination folder during the StreamServe Framework & Control Center setup:

• By default the StreamServe Connect for SAP software is installed in <sysdrive>\Program Files\StreamServe\Applications\SAP Connect.

If you want to install the StreamServe Connect for SAP software in a different path, you must specify the destination folder during the StreamServe Connect for SAP setup.

StreamServe log files

The following are default location of log files that can be useful for troubleshooting of StreamServe software:

• StreamServer log file (for each deployed physical layer of a Project) – <sysdrive>\ManagementGateway\1.0\root\Applications\<service name>\<physical layer>\log.txt

• Management gateway – <sysdrive>\ManagementGateway\1.0\root\mgw_log.txt

StreamServe Connect for SAP log files

The log files for StreamServe Connect for SAP, Delivery Manager, are located in the working directory for Delivery Manager, which by default is
The following log files are available, depending on the level of integration (for example DM Server and Client) you have selected for the Delivery Manager:

- strsdmclient.log
- strsdmsender.log
- strsdmsubmit.log
- strsdmsender.log

The log file for StreamServe Connect for SAP, Business Processes, is by default located in `<sysdrive>\Program Files\StreamServe\Applications\SAP Connect\idoc.log`

**StreamServer configuration files**

The following is the default location of the StreamServer runtime configuration file (for each deployed physical layer of a Project):

`<sysdrive>\ManagementGateway\1.0\root\Applications\<service name>\<physical layer>\exported configurations\runtime.dux`

The following is the default location of the StreamServer platform configuration file (for each deployed physical layer of a Project):

`<sysdrive>\ManagementGateway\1.0\root\Applications\<service name>\<physical layer>\exported platforms\platform.dua`

**StreamServe Connect for SAP configuration files**

The default location of the configuration file for StreamServe Connect for SAP, Delivery Manager is:

`<sysdrive>\Program Files\StreamServe\Applications\SAP Connect\strsoms\strsdmstart.cfg`

The default location of the configuration file for StreamServe Connect for SAP, Business Process (IDoc Converter argument file) is:

`<sysdrive>\Program Files\StreamServe\Applications\SAP Connect\idoc.arg`
Delivery Manager specifics

The Delivery Manager runs on a 32-bit Microsoft Windows environment, such as Windows 2000 or Windows XP, and on most UNIX and Linux platforms. For supported platforms, see the Supported platforms and software documentation. If you need a setup for a platform that is not officially supported, contact StreamServe for further information.

Determining the Delivery Manager interface

Before you install the Delivery Manager, you need to determine the level of integration you will use.

Determining the level of integration

Determine the level of integration you want to use, based on the following:

- Which SAP version you are using
  For supported SAP versions, see the Delivery Manager documentation.
- Volume of output
- Access to a shared directory

Scenario 1

- You are using SAP system v4.0 or newer.
- You require high-volume output with parallel printing.
- You have access to a directory shared by SAP and the machine hosting the StreamServe installation and the Delivery Manager. For example, this share can be accomplished via a Samba server or NFS share.

This scenario would benefit from a DM Command and DM Client level of integration, also known as mixed mode.

Scenario 2

- You are using SAP system v4.6c or newer.
- Parallel printing is not required
- You do not have access to a shared directory for SAP and the StreamServe installation.

For this scenario, you can use the DM Server and DM Client level of integration. The DM Server interface uses the DM Sender to send the actual job data to the DM Server. To install the DM Sender on SAP, see Installing the DM Sender on page 13.

Scenario 3

- You are using SAP system v3.1
Use DM Command level of integration.

Installing the DM Sender

If you use the DM Server and Client level of integration, and the SAP system and the Delivery Manager runs on different machines, you must install the DM Sender part of StreamServe Connect for SAP setup on the SAP system host.

To install the DM Sender on UNIX

1. Install the StreamServe Connectivity for SAP on the machine hosting the SAP system. See *To install StreamServe Connect for SAP on Unix* on page 9.

2. If you want, you can delete all extracted folders and files except the following:
   - The \lib folder
   - The start script
   - The strsdm_logmessage.txt file.
   - The strsdmsender binary file.

3. From the Windows version of the StreamServe Connectivity for SAP setup, copy the saprfc.ini and strsdmstart.cfg example configuration files to the new folder on the SAP machine.

4. Modify the example configuration files to comply with your environment. See the *Delivery Manager* documentation.

5. Start the DM Sender. See the *Delivery Manager* documentation.

To install the DM Sender on Windows

1. Install the StreamServe Connectivity for SAP on the machine hosting the SAP system. See *To install StreamServe Connect for SAP on Windows* on page 8.

2. If you want, you can delete all extracted folders and files except the following:
   - The saprfc.ini example configuration file.
   - The strsdmstart.cfg example configuration file.
   - The strsdm_logmessage.txt file.
   - The strsdmsender binary file.
   - The strsdmsenderregtool file.

3. Modify the example configuration files to comply with your environment. See the *Delivery Manager* documentation.

4. Register and start the DM Sender using strsdmsenderregtool, see the *Delivery Manager* documentation.
Delivery Manager installation folder

When you install the Delivery Manager on Windows, the application and configuration files are installed to the following folder:

\Applications\SAPConnect\strsoms

Delivery Manager application files

The application files you need are determined by the interface(s) you are using.

<table>
<thead>
<tr>
<th>Interface</th>
<th>Applications required</th>
<th>Services required</th>
<th>Optional applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM Command</td>
<td>strsdmsubmit</td>
<td>--</td>
<td>strsdmjqquery strsdmdquery</td>
</tr>
<tr>
<td></td>
<td>strsdmdpoll</td>
<td></td>
<td>strsdmjcancel</td>
</tr>
<tr>
<td>DM Command and Client</td>
<td>strsdmsubmit</td>
<td>strsdmclient</td>
<td>strsdmjcancel</td>
</tr>
<tr>
<td>DM Server and Client</td>
<td>-</td>
<td>strsdmservice</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>strsdmclient</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>strsdmsender</td>
<td></td>
</tr>
</tbody>
</table>

If you are not sure which interface type you can use, see *Determining the Delivery Manager interface* on page 12.
Business Processes specifics

To install StreamServe Connect for SAP - Business Processes on UNIX

1. Unpack the SAP IDoc Converter archive in the `<STRS_HOME>` directory. The necessary libs are installed.
2. Create a `/meta` directory in `<STRS_HOME>`
3. Copy the IDoc meta files you require, to `<STRS_HOME>/meta`
Output+ specifics

Folders added during installation

The following folder is added to your StreamServer directory for use when configuring the Output+ Connect solution using Design Center:

\<StreamServe installation>\Applications\StreamServer\<version>\Common\data\output+

This folder contains a configuration file, and the sapdings and sapicons folders containing bitmaps for special characters, that StreamServe uses to process SAPGOF data.

Files added during installation

The following files are added to your StreamServe directory for use when configuring the Output+ Connect solution using Design Center:

- SAPGOFIN filter (sapgof21xf.dll) in \<StreamServe installation>\Applications\StreamServer\<version>\Common\Modules\Filters
- SAPGOFIN configuration file (sapgof21xf.gofcfg) and the sapdings and sapicons folders containing bitmaps for special characters for ABAP List data. in \<StreamServe installation>\Applications\StreamServer\<version>\Common\data\output+

See the StreamServe Connect for SAP - Output+ documentation.

These folders contain files that are only used for maintaining Messages created with the FormOUT tool. If you are using the Design Center to configure a new implementation, you will not require these folders, and you can delete them.

FormOUT tool

The FormOUT executable is added to \<StreamServe installation>\Applications\StreamServer\<version>\Tools\System for maintaining Messages created with the FormOUT tool: