StreamServe Persuasion SP5
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
Installation scenarios

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 Installation and registration on page 7.

**Note:** You must install Framework and StreamServer before you can install these parts of the connectivity pack.

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 Installation and registration on page 7.

Optionally, you can:

- Register the StreamServe software in the SAP System Landscape Directory
  See Registering in SLD on page 8.
- Configure the SAP Solution Manager for the StreamServe software.

For installation of Web Applications on NetWeaver, see the StreamStudio on SAP NetWeaver documentation.
Installation and registration

On Windows, the SAP connectivity pack runs on a 32-bit environment, such as Windows 2000 or Windows XP.

The RFC Gateway – including the Delivery Manager and IDoc services – requires a 64-bit environment on the following operating systems:

- Linux
- HP-UX
- IBM-AIX
- Solaris

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.

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:

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer information</td>
<td>Enter a user name and a company name.</td>
</tr>
<tr>
<td>Destination Location</td>
<td>The SAP connectivity pack installation folder. Keep the default or browse to another folder.</td>
</tr>
<tr>
<td>Select Features</td>
<td>Select the connectivity pack(s) you want to install.</td>
</tr>
</tbody>
</table>

3. The installation process copies the necessary StreamServe files. When complete, the Setup Complete dialog box opens. Click Finish to complete the setup.

Note: If you have a running instance of Control Center, you must restart it to enable configuration of for example the RFC Gateway.

To install StreamServe Connect for SAP on Unix

Note: To install E-docs or Output+, you must install StreamServer first.

1. Download the required connectivity pack from Download Center, e.g. the following file:

   `sapconnect-5.5.0.GA.952-i586-suse-linux-libc2.3.3-release.tar.gz`

2. Move the tarball to the folder that was created when you extracted the StreamServe tarball, for example `streamserve-5.5.0.GA.952`

3. Extract the downloaded file by e.g. using the following command
Installation and registration

Installing StreamServe Connect for SAP

```
  gunzip < sapconnect-5.5.0.GA.952-i586-suse-linux-libc2.3.3-release.tar.gz | tar xf -
```

4 Run the setup:

```
./setup
```

5 Select 4 - StreamServer Connect for SAP.

6 Read the EULA text and press Q to exit.

7 Select the component to install or option 5 to install all of them.

After installation, run Control Center from a Windows environment, to for example configure the RFC Gateway.

**Note:** Components that can be installed standalone are extracted in the sapconnect folder and can be copied to the target system, for example **strsdmsubmit** and **strsdmsender**.

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. The welcome splash screen is displayed.

2 Select Register in SAP System Landscape Directory.

3 Specify the SLD options:

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<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>
<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>
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:

• 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 7.0 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\<version>`

  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`
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Installing StreamServe Connect for SAP

- Management gateway –
  <sysdrive>\ManagementGateway\1.0\root\mgw.txt

StreamServe Connect for SAP log files
The log file for StreamServe Connect for SAP, RFC Gateway, is located in the working directory for the RFC Gateway, which by default is
- <sysdrive>\ManagementGateway\1.0\root\applications\rfc\wd
The log file is called rfcgateway.log.

The following log files are available, depending on the level of integration you have selected for the Delivery Manager:
- strsdmsubmit.log (Locally on the machine submitting the jobs)
- strsdmsender.log (Locally on the machine where the DM Sender is installed)

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 file
Note: Only relevant for stand-alone solutions using DM Command (submit) or DM Sender.

The default location of the configuration file for StreamServe Connect for SAP, Delivery Manager is:
<sysdrive>\Program Files\StreamServe\Applications\SAP Connect\<version>\sapdm\bin\strsdmstart.cfg

The DM Client and DM Server on the Streamserve side is configured on the RFC Gateway.
Determining the Delivery Manager 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 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 run many small jobs rather than big batches of jobs.
- 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 11.

Installing the DM Sender

**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 7.

2. Modify the strsdmstart.cfg configuration file to comply with your environment.

3. 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 7.
Among the extracted files in `<StreamServe installation>\Applications\SAPConnect\<version>\sapdm` the following are required for the DM Sender:

- The `strsdmstart.cfg` example configuration file.
- The `strsdm_logmessage.txt` file.
- The `strsdmsender` binary file.
- The `strsdmsenderregtool` file.

2 Modify the `strsdmstart.cfg` file to comply with your environment. See the Delivery Manager documentation.

3 Register and start the DM Sender using `strsdmsenderregtool`, see the Delivery Manager documentation.

### 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>
</tr>
</thead>
<tbody>
<tr>
<td>DM Command and Client</td>
<td><code>strsdmsubmit</code></td>
<td>• RFC Gateway with DM Client</td>
</tr>
<tr>
<td>DM Server and Client</td>
<td>-</td>
<td>• RFC Gateway with DM Client and DM Server</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• <code>strsdmsender</code></td>
</tr>
</tbody>
</table>

If you are not sure which interface type you can use, see *Determining the Delivery Manager level of integration* on page 11.
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 ABAP list 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 (sapgof2lxf.dll) in <StreamServe installation>\Applications\StreamServer<version>\Common\Modules\Filters
- SAPGOFIN configuration file (sapgof2lxf.gofcfg)

See the StreamServe Connect for SAP - Output+ documentation.

FormOUT tool

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

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