



# **StreamServe Persuasion SP5** **StreamServe Connect *for SAP***

## **Installation Guide**

Rev A

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# Installing StreamServe Connect *for SAP*

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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.

See *Configuring SAP Solution Manager for StreamServe* on page 9.

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:

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

- 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

```
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:

Option	Description
<b>SLD Server</b>	The name of the SLD server.
<b>Port number</b>	The SLD server port. By default 50000.
<b>Login name</b>	The user name of the J2EE_admin account
<b>Password</b>	The password of the J2EE_admin account
<b>StreamServer host</b>	The name of the host running the StreamServer(s).
<b>Local System Name</b>	The logical name of the StreamServe connection. Leave the default value or enter a new name.



## 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`

- 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.

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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.

Interface	Applications required	Services required
DM Command and Client	<code>strsdmsubmit</code>	<ul style="list-style-type: none"><li>• RFC Gateway with DM Client</li></ul>
DM Server and Client	-	<ul style="list-style-type: none"><li>• RFC Gateway with DM Client and DM Server</li><li>• <code>strsdmsender</code></li></ul>

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:

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