

Set up DataSync Agent to share to PostgreSQL

Gold

You can configure your Perspective DataSync Agent to share data from ServiceNow or Salesforce to a PostgreSQL database by changing some additional [configurations in your agent.xml file](#).

Prerequisites

- ⚠ First, you will need to install a [DataSync Agent](#) Agent.
- ⚠ You will also need to [create a ServiceNow dynamic share/bulk share](#) or [create a Salesforce dynamic share/bulk share](#).
- ⚠ Make sure to [stop running your DataSync Agent](#) before making any Agent configuration changes.
- ⚠ Finally, you will need to create a database in PostgreSQL that will store data replicated via the DataSync Agent.

Procedure

To set up your DataSync Agent to share application data to a PostgreSQL database, follow these steps:

1

Add the PostgreSQL JDBC driver

Add [the latest PostgreSQL JDBC driver](#) to your DataSync Agent's **extlib** directory.

2

Install and configure your DataSync Agent

Follow the steps to install the [DataSync Agent for ServiceNow](#) or the [DataSync for Salesforce Agent](#) and [make sure that your agent.xml file is configured correctly](#).

3

Access your agent.xml configuration file

Navigate to the directory where you saved your **agent.xml** file when installing your DataSync Agent.

4

Update database directives to point to PostgreSQL

Open your **agent.xml** file in a text editing application. Then, locate the **<task>** directive(s) within your **<subscribe>** directive, and update the following database-related directives:

Directive	Value to enter	Required?
<database_type>	postgres	Yes
<database_server>	URL/IP address for your PostgreSQL database	Yes
<database_port>	5432	Yes
<database_user>	Username used to access your PostgreSQL database	Yes
<database_password>	Password used to access your PostgreSQL database	Yes
<database_parms>	Optional database parameters for the connection string used to connect to PostgreSQL. For example, if you want to use the schema <code>psp_schema</code> , you would specify: <database_parms>currentSchema=psp_schema</database_parms>	No

5

Add the <skip_database_creation/> directive

Still within the <subscribe> <task> directive(s), nest the following directive:

Directive	Description
<skip_database_creation/>	Bypasses the dynamic creation of the replicated database blocked URL NOTE : This directive is added for a PostgreSQL replication scenario with the DataSync Agent, as you must create the database used for replication in PostgreSQL before configuring your DataSync Agent

Your **agent.xml** file should look similar to the example shown below:

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="no"?>
<config>
  <agent>
    <share>
    </share>
    <subscribe>
      <task instances="4">
        <task_name>test_postgresql_subscribe</task_name>
        <message_connection password="encrypted:v10tU7lyu8N
/EFIJH85SSBtaIt7qEEfvqi9VZyYE=" user="exampleuser" queue="psp.out.replicator.example"
>https://example.perspectium.net</message_connection>
        <instance_connection password="encrypted:v10tU7lyu8N
/EFIJH85SSBtaIt7qEEfvqi9VZyYE=" user="example.user">https://myinstance.service-now.com<
/instance_connection>
        <handler>com.perspectium.replicator.sql.SQLSubscriber</handler>
        <decryption_key>The cow jumped over the moon</decryption_key>
        <database_type>postgres</database_type>
        <database_server>localhost</database_server>
        <database_port>5432</database_port>
        <database_user>exampleuser</database_user>
        <database_password>examplepassword</database_password>
        <database>psp_db</database>
      </task>
    </subscribe>
    <max_reads_per_connect>4000</max_reads_per_connect>
    <polling_interval>5</polling_interval>
  </agent>
</config>
```

6

Save your agent.xml file

Save the changes you made to your **agent.xml** file and close the file.

7

Run your DataSync Agent

After configuring your **agent.xml** file to support replication to your PostgreSQL database, [start running your DataSync Agent](#) again.

Similar topics

- [Set up DataSync Agent to share to HP Vertica](#)
- [Database indexes](#)
- [Set up DataSync Agent to share to MySQL](#)
- [DataSync for ServiceNow \(Replicator\)](#)
- [Get started with the DataSync Agent](#)

Contact Perspectium Support



US: 1 888 620 8880

UK: 44 208 068 5953

support@perspectium.com