

# Set up DataSync Agent to share to PostgreSQL

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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](#).
- ⚠ 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](#) 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
<b>&lt;database_type&gt;</b>	<b>postgres</b>
<b>&lt;database_server&gt;</b>	URL/IP address for your PostgreSQL database
<b>&lt;database_port&gt;</b>	<b>5432</b>
<b>&lt;database_user&gt;</b>	Username used to access your PostgreSQL database
<b>&lt;database_password&gt;</b>	Password used to access your PostgreSQL database

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### Add the **<skip\_database\_creation/>** directive

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

Directive	Description
<code>&lt;skip_database_creation/&gt;</code>	Bypasses the dynamic creation of the replicated database <a href="#">blocked URL</a> <b>NOTE:</b> 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:vl0tU71yu8N
/EFIJH85SSBtaIt7qEEfvqiqft9VZyYE=" user="exampleuser" queue="psp.out.replicator.example"
>https://example.perspectium.net</message_connection>
        <instance_connection password="encrypted:vl0tU71yu8N
/EFIJH85SSBtaIt7qEEfvqiqft9VZyYE=" 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>52.32.139.20</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>
```

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## Save your agent.xml file

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

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## 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

- [Get started with the DataSync for ServiceNow Agent](#)
- [Start/stop the DataSync for ServiceNow Agent](#)
- [Monitoring DataSync Agent logs](#)
- [Set up DataSync Agent to share to PostgreSQL](#)
- [Set up DataSync Agent to share to HP Vertica](#)

## Contact Perspectium Support



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