Set up DataSync Agent to share to PostgreSQL

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You can configure your Perspectium 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
<database_type>	**postgres**
<database_server>	URL/IP address for your PostgreSQL database
<database_port>	**5432**
<database_user>	Username used to access your PostgreSQL database
<database_password>	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

<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:vlOtU71yu8N
/EFIJH85SSBtaIt7qEEfvqiqft9VZyYE=" user="exampleuser" queue="psp.out.replicator.example"
>https://example.perspectium.net</message_connection>
            <instance_connection password="encrypted:vlOtU71yu8N
/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>
```

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

- DataSync for ServiceNow manual setup
- DataSync for ServiceNow Agent
- Get started with the DataSync for ServiceNow Agent
- Install the DataSync for ServiceNow Agent
- Start/stop the DataSync for ServiceNow Agent

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