

Set up DataSync Agent to share to Oracle

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You can configure your Perspective DataSync Agent to share data from ServiceNow or Salesforce to an Oracle 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 Oracle that will store data replicated via the DataSync Agent.

Procedure

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

1

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](#).

2

Access your agent.xml configuration file

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

3

Update database directives to point to Oracle

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>	oracle
<database_server>	URL for your Oracle database
<database_port>	1521
<database_user>	Username used to access your Oracle database
<database_password>	Password used to access your Oracle database
<database_sid>	System Identifier (SID) used to access your Oracle database

NOTE: A TNS connect string can also be used to connect to your Oracle database. To configure your Agent in this way, enter the TNS connect string as the value for the **<database>** directive and delete the **<database_port>** and **<database_sid>** directives.

If using LDAP, request the **databases.xml** file for your DataSync Agent by [contacting Perspective Support](#). Once you've received the **databases.xml** file, follow these steps:

- Open the file in a text-editing application and locate the configurations for **<database_type>oracle</database_type>**. Within the parent **<database>** directive, locate the **<database_uri>** directive and add **ldap:** following the **@** tag. If added correctly, the tag will read **<database_uri>jdbc:oracle:thin:@ldap:</database_uri>**
- Locate the **database_uri_database** tag and clear its contents. The final line should read: **<database_uri_database></database_uri_database>**

The following fields should be configured in your **agent.xml**:

- The `database_port` tag should be configured as `port/database\,cn=example\,dc=example...` i.e. `<database_port>8080/testdb\,cn=OracleContext\,dc=Perspectium</database_port>`
- The backslashes are used to escape the commas as needed
- The `database_server` tag should include the desired server `<database_server>ExampleLDAP.perspectium.com</database_server>`
- The `database_sid` tag should be removed entirely

4

Add the `<skip_database_creation/>` directive

Locate the `<task>` directive(s) in your `<subscribe>` directive, and nest the following directive:

Directive	Description
<code><skip_database_creation/></code>	Bypasses the dynamic creation of the replicated database NOTE: This directive is added for an Oracle replication scenario with the DataSync Agent, as you must create the database used for replication in Oracle 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/>
    <subscribe>
      <task instances="4">
        <task_name>OracleAgent_subscribe</task_name>
        <message_connection password="encrypted:vl0tU71yu8N
/EFIJH85SSBtaIt7qEEfvqiqt9VZyYE=" queue="psp.out.replicator.oracletest" use_basic_consume="
false" user="exampleuser">https://example.perspectium.net</message_connection>
        <instance_connection password="encrypted:vl0tU71yu8N/EFIJH85SSPN9aF0P5
/YViVwPEVFcGW4=" user="test.user">https://myinstance.service-now.com</instance_connection>
        <handler>com.perspectium.replicator.sql.SQLSubscriber</handler>
        <decryption_key>The cow jumped over the moon and the sun</decryption_key>
        <database_type>oracle</database_type>
        <database_server>localhost</database_server>
        <database_port>1521</database_port>
        <database_user>system</database_user>
        <database_password>encrypted:vl0tU71yu8N/EFIJH85SSPN9aF0P5/YViVwPEVFcGW4=<
/database_password>
        <database_sid>orcl</database_sid>
        <skip_database_creation/>
        <database_column_max_size>251</database_column_max_size>
        <database>psp_repl</database>
      </task>
    </subscribe>
    <max_reads_per_connect>4000</max_reads_per_connect>
    <polling_interval>5</polling_interval>
    <skip_message_set_processing/>
  </agent>
</config>
```

5

Save your `agent.xml` file

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

6

Run your DataSync Agent

After configuring your `agent.xml` file to support replication to your Oracle 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 Perspective Support



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