

Set up DataSync Agent to share to SAP Hana

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You can configure your Perspective DataSync Agent to share data from ServiceNow or Salesforce to an SAP Hana 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.

Procedure

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

1

Add the SAP Hana JDBC driver

Add the **ngdbc.jar** [JDBC driver that was created upon installation of SAP Hana](#) to your DataSync Agent's **jars** 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 SAP Hana

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>	hana
<database_server>	URL/IP address for your SAP Hana database
<database_port>	Port number for your SAP Hana database
<database_user>	Username used to access your SAP Hana database
<database_password>	Password used to access your SAP Hana database
<database_parms>	characterencoding=UTF-8
<enable_upsert>	Enables upserts to SAP Hana database for better performance throughput

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Add the **<uppercase_columns/>** directive

Within the **<subscribe>** **<task>** directive(s), nest the **<uppercase_columns/>** directive to enforce proper column formatting in SAP Hana.

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_hana2_subscribe</task_name>
        <message_connection password="encrypted:v1OtU71sdfs/dfdafBtaIt7qEEfvqiqrt9VZyYE="
use_basic_consume="false" user="user" queue="psp.out.replicator.testhana">https://testing.
perspectium.net</message_connection>
        <instance_connection password="encrypted:v1OtU71yu8N/EFIJH85SSPN9aF0P5
/YVFEID87FcGW4=" user="admin">https://yourinstance.service-now.com</instance_connection>
        <handler>com.perspectium.replicator.sql.SQLSubscriber</handler>
        <decryption_key>The cow jumped over the moon</decryption_key>
        <database_type>hana</database_type>
        <database_server>192.168.0.00</database_server>
        <database_port>39013</database_port>
        <database_user>user</database_user>
        <database_password>dbpassword</database_password>
        <database_parms>characterEncoding=UTF-8</database_parms>
        <database>SystemDB</database>
        <enable_upsert/>
      </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 SAP Hana 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](#)

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