

# Set up DataSync Agent to share to MySQL

Fluorine+

You can configure your Perspective DataSync Agent to share data from ServiceNow or Salesforce to a MySQL 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 a MySQL 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 MySQL

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>	mysql
<b>&lt;database_server&gt;</b>	URL for your MySQL database. If your database is installed on your local machine, set this value to <b>localhost</b> .
<b>&lt;database_port&gt;</b>	3306
<b>&lt;database_user&gt;</b>	Username used to access your MySQL database
<b>&lt;database_password&gt;</b>	Password used to access your MySQL database

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>datasyncforservicenow_to_mysql_subscribe</task_name>
        <message_connection password="encrypted:vl0tU7lyu8N
/EFIJH85SSBtaIt7qEEfvqiqt9VZyYE=" queue="psp.out.replicator.testqueue" user="admin"
>https://testperspectium.net</message_connection>
        <instance_connection password="encrypted:vl0tU7lyu8N/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</decryption_key>
        <database_type>mysql</database_type>
        <database_server>localhost</database_server>
        <database_port>3306</database_port>
        <database_user>root</database_user>
        <database_password>encrypted:vl0tU7lyu8N/EFIJH85SSMoilKLTeJHQrNZPJ7c5tFU=<
/database_password>
        <database_parms>characterEncoding=UTF-8 &amp; useSSL=false &amp;
serverTimezone=UTC</database_parms>
        <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>
```

**NOTE:** For MySQL8 in the `<database_parms>` directive, parameters need to be separated by a space, an ampersand, and a following space ("parm=value &amp; parm=value").

4

## Save your agent.xml file

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

5

## Set your timezone (optional)

**⚠ You only need to do this step if your MySQL is not configured correctly**

Set the global timezone in your MySQL configuration using the SQL command shown below:

```
SET Global time_zone = "-7:00";
```

**blocked URL NOTE:** The number corresponds to the time difference from UTC. For any timezone you are in, relative to UTC, you will need to subtract or add the time difference.

For example, if you are in the east coast, you would use **"-4:00"**.

6

## Run your DataSync Agent

After configuring your **agent.xml** file to support replication to your MySQL 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

---



US: [1 888 620 8880](tel:18886208880)

UK: [44 208 068 5953](tel:442080685953)

[support@perspectium.com](mailto:support@perspectium.com)