Force reload a prepared SQL statement

Fluorine+

When running your Agent for a DataSync integration with MS SQL Server, a directive in the **agent.xml** configuration file named **<force_preparedstatement_reload>** has its value set to **true** by default so that SQL statements are batched together to prevent primary key violation exceptions. You can turn off this functionality, or stop reloading prepared SQL statements, by changing the value of this directive to **false** according to the procedure described below.

Prerequisites

⚠️ First, you will need to install a DataSync Agent configured to share data to an MS SQL Server database.

⚠️ You will also need to create a ServiceNow dynamic share with an **update** trigger or create a ServiceNow bulk share.

⚠️ Finally, make sure to stop running your DataSync Agent before making any Agent configuration changes.

Stop reloading prepared SQL statements

To stop reloading prepared SQL statements for your DataSync integration to an MS SQL Server database, follow these steps:

1

Access your agent.xml configuration file

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

2

Change the <force_preparedstatement_reload> directive's value to false

Open your **agent.xml** file in a text editing application. Then, locate the **<force_preparedstatement_reload>** directive(s) nested within the **<task>** directive(s) and change each value to **false** per the example shown below:

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="no"?>
<config>
    <agent>
        <share/>
        <subscribe>
            <task instances="4">
                <task_name>mssql_test_subscribe</task_name>
                <message_connection password="encrypted:vlOtU71yu8N
/EFIJH85SSBtaIt7qEEfvqiqft9VZyYE=" queue="psp.out.replicator.test" use_basic_consume="
true"    user="admin">amqps://test.perspectium.net</message_connection>
                <instance_connection password="encrypted:vlOtU71yu8N/EFIJH85SSPN9aF0P5
/YViVwPEVFcGW4=" user="testuser">https://mycompany.service-now.com</instance_connection>
                <handler>com.perspectium.replicator.sql.SQLSubscriber</handler>
                <decryption_key>This is my decryption key for testing</decryption_key>
                <database_type>sqlserver</database_type>
                <database_server>localhost</database_server>
                <database_port>1433</database_port>
                <database_user>testuser</database_user>
                <database_password>testpassword</database_password>
                <database_parms/>
                <database_column_max_size>251</database_column_max_size>
                <database>psp_repl</database>
                <force_preparedstatement_reload>false</force_preparedstatement_reload>
            </task>
        </subscribe>
        <max_reads_per_connect>4000</max_reads_per_connect>
        <polling_interval>5</polling_interval>
        <skip_message_set_processing/>
    </agent>
</config>
```

3

Save your agent.xml file

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

Similar topics

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