

How To Install MSSQL & Plugin Prerequisites For Nagios XI 5

Purpose

This document provides a step-by-step guide for installing the prerequisites needed for the MSSQL wizards and plugins in Nagios XI.

If you are installing MSSQL & Plugin for Nagios XI 2024, see [How To Install MSSQL & Plugin Prereqs For Nagios XI 2024](#)

Target Audience

This guide is intended for Nagios XI Administrators who need to monitor MSSQL databases. Note that these steps are typically performed automatically during Nagios XI installations and upgrades.

Installing Prerequisites

Nagios XI uses three plugins for MSSQL monitoring, all of which require the pymssql Python package. However, before installing pymssql, a prerequisite must be met: freetds v0.91.

Note: While older versions of FreeTDS may work, they may not be able to connect to MSSQL instances. This guide assumes FreeTDS v0.91 or later is installed.

Installing freeTDS

Run the appropriate command based on your OS:

- **Cent/RHEL/Oracle:** `yum install -y freetds`
- **Ubuntu/Debian:** `apt install freetds-bin`

Common Package Conflicts

During installation, yum may report dependency conflicts. The most common issues include:

- **perl-DBD-Sybase:** This package was included in Nagios XI for potential future use. If you have other Sybase or MSSQL-related plugins, ensure this package is necessary before removing it.
- **nagiosxi-deps:** This package enforces specific program version for Nagios XI. If you're using pre-2011 v1.10, you may need to remove this repository. Doing so will not affect Nagios XI functionality.

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Installing PHP drivers

On Centos/RHEL/Oracle, execute the following command:

```
yum install php-pdo php-odbc
```

Installing pymssql

After installing the correct FreeTDS version, check if pymssql is already installed:

```
pip list | grep pymssql
```

If installed, you should see output similar to:

```
pymssql (2.1.1)
```

If it is not installed, execute the following command to install it:

```
pip install pymssql
```

Note: Depending on your Python version, you may need to use pip3 instead of pip

Check Functionality

For MSSQL Database Wizard (version 2.0.0 and higher):

To test the plugin, navigate to your `/usr/local/nagios/libexec` and execute the `check_mssql_server.php` script. For example:

```
/usr/local/nagios/libexec/check_mssql_server.php -H x.x.x.x --checktype 'database' -U 'username' \  
-P 'password' --instancename 'master' --perftype default -p 1433 --mode test \  
--warning 10 --critical 20
```

Note: The plugin has a `-h` flag if you're unsure of what flags to use:

```
/usr/local/nagios/libexec/check_mssql_server.py -h
```

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For MSSQL Database Wizard (Version < 2.0.0):

To test the plugin, navigate to your `/usr/local/nagios/libexec` and execute the `check_mssql_server.php` script. Use the `-h` flag if you're unsure of what flags to use.

Example:

```
./check_mssql_server.py -H 192.168.5.5 -U user -P password -I dbase \  
-p 1900
```

Note: For the `.py` plugins, if you enter both a port and an instance it will attempt to use both. Using the above example for reference, it will attempt to connect using the following string:

```
192.168.5.5\dbname:1900
```

Note: If you installed MSSQL Wizards before instance support was available, you may need to remove old plugins before reinstalling:

```
rm /usr/local/nagios/libexec/check_mssql_database.py  
rm /usr/local/nagios/libexec/check_mssql_server.py  
rm /usr/local/nagios/libexec/check_mssql
```

Downloading MSSQL Wizards

The following wizards can be downloaded from their respective locations:

- [MSSQL Database Wizard](#)
- [MSSQL Query Wizard](#)
- [MSSQL Server Wizard](#)

Finishing Up

This completes the documentation on how to install MSSQL & plugin prerequisites for Nagios XI. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

[Visit Nagios Support Forum](#)

[Visit Nagios Knowledge Base](#)

[Visit Nagios Library](#)