

52°North SOS 4.0 for Swedish EPA

Installation Notes

Requirements

- Java 7.x
- Apache Tomcat 7.x or higher

SQL-JDBC Driver

The MICROSOFT SOFTWARE LICENSE TERMS do not allow us to ship the 52°North SOS 4.0 together with the SQL JDBC driver. This driver has to be downloaded from the Microsoft Web Site to comply with the license condition.

Make sure that Tomcat will have access to the Microsoft SQL Server JDBC driver files which can be downloaded from here:

<http://www.microsoft.com/en-us/download/details.aspx?displaylang=en&id=11774>

The sqljdbc4.jar should be included in Tomcat's class path. For instance, copy the file to [TOMCAT_HOME]\lib or make a symbolic link to this location:

- *mklink "c:\Program Files\Apache Software Foundation\Tomcat 7.0\lib\sqljdbc4.jar" "C:\SqlServer\Microsoft JDBC Driver 4.0 for SQL Server\sqljdbc_4.0\enu\sqljdbc4.jar"*

SOS Installation

Deploy the 52n-sos-webapp.war file by copying this file to [TOMCAT_HOME]\webapps and the Apache Tomcat server will create a new webapp. This takes a few seconds.

Then open a browser and go to [http://\[host\]:\[port\]/52n-sos-webapp](http://[host]:[port]/52n-sos-webapp), e.g. <http://localhost:8080/52n-sos-webapp/> and follow the steps:

- Datasource configuration
 - Select *SQL Server Custom* in the drop down box
 - Configure the datasource credentials: user, password, instance, database
 - In the *Advanced Database Configuration* section nothing should be changed
- The next page can be skipped. These settings will be changed later.
- Finishing Installation
 - Enter username and password for the SOS admin interface
 - Click on "Install"

The SOS starts to fill the local Capabilities cache. This task can take a few seconds.

Configure the SOS

Click the Admin tab and enter the credentials defined during the installation process.

Go to Admin -> Settings and change the following settings:

- Service Provider
- Service Identification
- Service
 - SOS URL
 - Enter the URL which shall be shown in the capabilities document of the SOS server. This is especially necessary when the SOS is used behind a proxy
 - The SOS listens to the URL endings
 - /service
 - /sos
 - Is datasource spatial enabled
 - *Uncheck* the setting
- Save changes

The installation and configuration of the 52° North SOS is done and you can start interacting with the SOS sever.