Ontrol N4 Sedona driver & programming tool

To program a Sedona device, you connect to it through a running Niagara station.

- If the Sedona device is on a remote Jace, you simply open the remote station.
- To program a Sedona device directly from your Workbench, you will need to run a station on your local PC.

In either case, the station will need to be able to access Sedona kit and platform files. Therefore, you need to copy these files to one or more locations.

1 Required Files

The required files can be downloaded from: https://www.ontrol.com/OntrolSedonaNet.

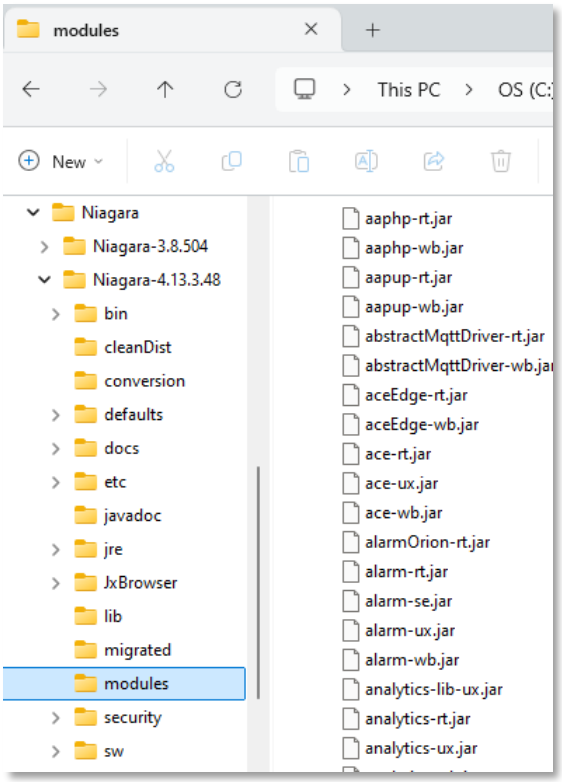
Always use the latest versions. The downloadable file sets are:

1. Niagara Modules
2. Sedona Distribution Package
3. DaspOnSerial Utility

2 Niagara Modules

These are downloaded as an archive (.zip file). Extract them to your Niagara installation's modules folder.

You may need to restart Workbench.



3 Sedona Files

A Sedona distribution package is provided as a single archive file named “Ontrol Sedona Package yymmdd.zip”. This includes core Sedona Framework kit and platform files, as well as additional files to support Ontrol devices. It can easily be installed using the “Ontrol Sedona Installer” tool (see below).

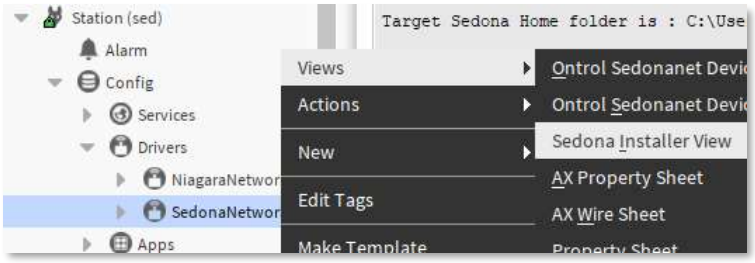
Other manufacturers’ Sedona files can be installed using the same tool if they are available in a compatible archive file. Otherwise, they can be copied manually to appropriate folders, as described later in this document.

After copying Sedona files, a station may need to be restarted.

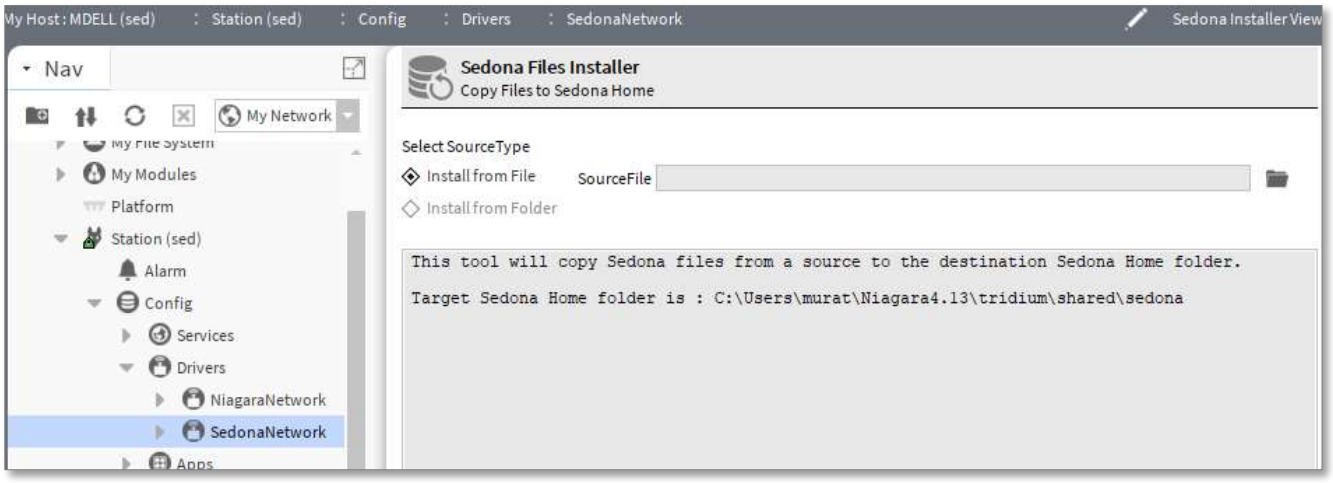
3.1 Using Ontrol Sedona Installer

Ontrol Sedona Installer tool is available as a view of the SedonaNetwork on a running station. This can be a station on a local host (your computer) or a remote host (typically a Jace)

Right-click on the SedonaNetwork, expand the Views menu and select “Sedona Installer View”:



Click the File Open button to select a file. This can be a distribution zip file as mentioned above, or a kit file. Multiple selection of files is possible.



Once you select a file, click the ‘Install Files’ button on the bottom right. All required files will be copied to appropriate locations in your Niagara installation folder. Existing files will be overwritten.

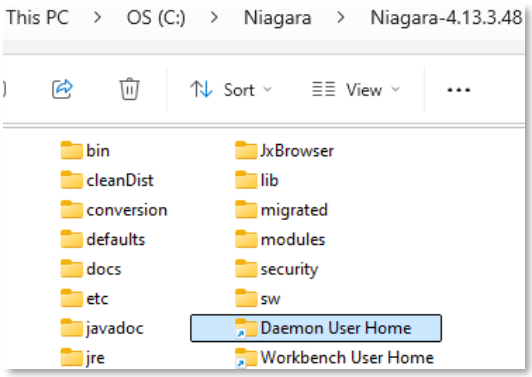
You may need to restart the station after installing Sedona files.

3.2 Copying Sedona files manually (local host)

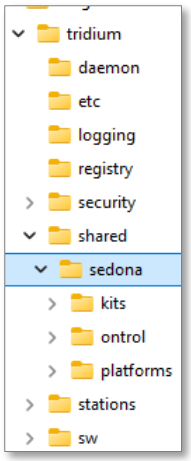
A Sedona device manufacturer will provide kit and platform files required for their devices. On a local host (supervisor PC) these typically need to be copied to the following folder

{ Daemon User Home } / shared / sedona /…

The Daemon User Home[1] can be easily accessed using the shortcut in your Niagara installation folder:



Under the Daemon User Home, the Sedona files need to go under a folder named "shared/sedona/" →



The copied files will include:
- Platform files for the device you are connecting to.
- Kit and/or manifest files for the kits used in the app you are connecting to.

Make sure you observe the file structure of a standard Sedona Framework setup.

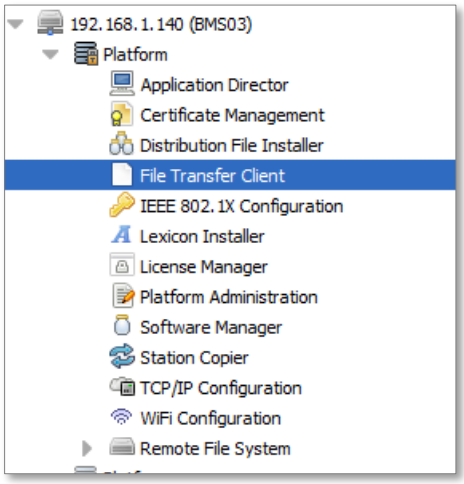
You may need to restart the running station(s) after copying Sedona files.

[1] This is for the typical case, when you are running a station using Platform > Application Director.
If instead, you are starting a station from the Niagara console, the files need to be copied to the Workbench User Home.

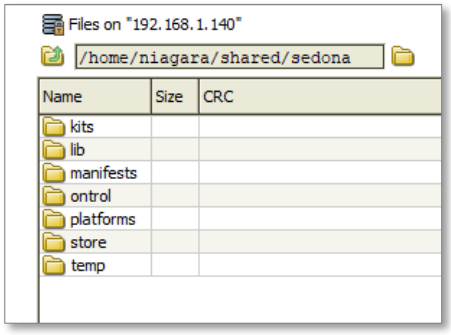
3.3 Copying Sedona files manually (remote host)

A station running on a Jace also needs the sedona files for functioning. The easiest way to transfer files to a Jace is by using the Sedona Installer Tool, explained above (section 3.1).

But if you need to copy files manually, you can use the File Transfer Client under Platform. →



Only the kit and platform files need to be copied to the remote host's "/home/niagara/shared/sedona" folder:

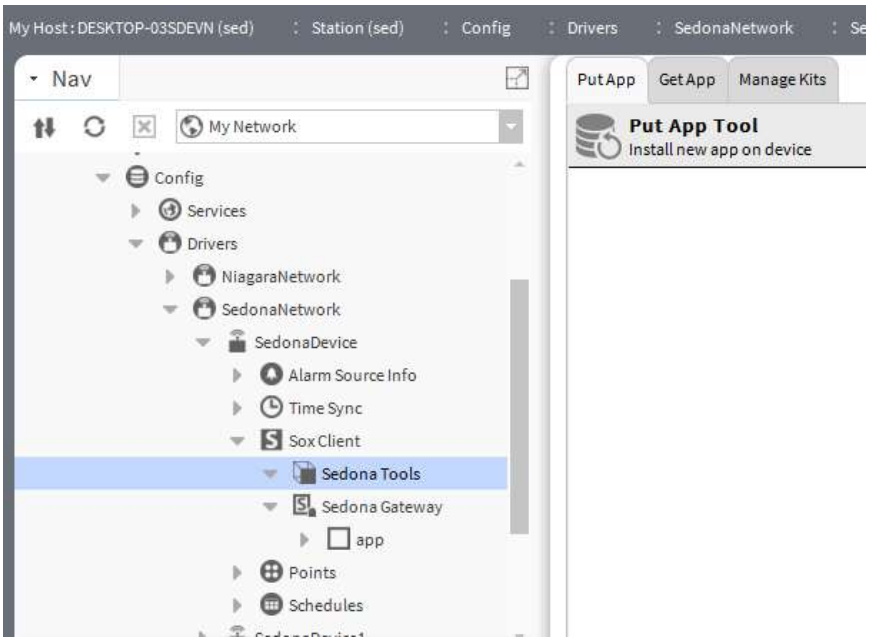


You may need to restart the station after copying Sedona files.

4 Programming a Sedona device in N4

To program a sedona device directly from your workbench, you connect to it through a running Niagara station. Therefore, you need to start a station on your engineering PC. Once you have that:

- Add a SedonaNetwork to the Drivers folder.
- Discover and add your Sedona device (if the device doesn't support discovery, you can also add it manually).
- In the navigation pane, expand the sedona device and navigate down to 'SoxClient'
- Expanding beyond that, you'll find the 'Sedona Tools' and 'Sedona Gateway' headings.
- 'Sedona Gateway' allows access to property-sheet, wire-sheet views of the app running within the sedona device.
- Sedona Tools' contains tools for back up, restore and kit management:



5 DaspOnSerial Utility

DaspOnSerial is only required to establish a one-to-one connection to a non-IP Sedona device using USB.

This is only required for Ontrol'a R-ION and ORION programmable color touch-screen display devices.