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NiagaraAX Station Migration Tool

NiagaraAX-3.5 (and earlier) stations with SedonaNetworks are not compatible with NiagaraAX-3.6 or later stations running Sedona Framework TXS-1.1, or with NiagaraAX-3.7 or later stations running Sedona Framework TXS-1.2. The NiagaraAX Station Migration Tool is an offline tool used to convert these stations so that they are compatible with these platforms.

This document describes the NiagaraAX Station Migration Tool and includes the following sections:

- "About Station Migration" on page 1
- "Migrating a station" on page 2
- "Document change log" on page 3

Note: *If using NiagaraAX-3.8, and planning to install Sedona Framework TXS, you must use an "update 1" bundle of TXS-1.2: version 1.2.1xx (for example 1.2.100). Whereas if using AX-3.7/AX-3.7u1, you use an earlier TXS-1.2 bundle: version 1.2.2x (for example 1.2.28.4). And in the case of AX-3.7u1 (3.7.106 or later), after installing the 1.2.28.4 bundle you need to download and install a patched* `nsedona` *module, version 1.2.28.1.*

For more details, see the latest (February 2014 or later) revision of the NiagaraAX Sedona Framework TXS-1.2 Installer Guide*.*

About Station Migration

The AX-3.5 (or earlier) station to be migrated must meet the following prerequisites:

- There is only one network (SedonaNetwork) in the station.
- There is only one type of SedonaDevice under the SedonaNetwork, either Ethernet/WiFi or wireless Jennic-based.

Note: *If you have station with a SedonaNetwork that has both Ethernet/WiFi and wireless Jennic-based device types under it, you cannot use the tool to migrate that station. You should manually recreate a separate station for each of those device types.*

The migration tool runs in the AX-3.6 or later Workbench console window. When the migration command executes, the migration tool inspects the station to determine which network type is required for the new migrated station. Starting in the Sedona TXS-1.1 release, a separate network type is used for each device type. The SedonaNetwork type, with SedonaDevices, is used for Ethernet/WiFi devices only. The SedonaJen6lpNetwork type, with SedonaJen6lpDevices, is used for wireless Jennic-based devices only, and the "Jennic6LowpanBridgeService" is no longer used. Once the network type is determined, the migration tool creates a backup of the station database named "preMigrate_config.bog", and a new migrated station database named, "config.bog".

Note: *You should migrate the AX-3.5 (or earlier) station before upgrading the JACE to AX-3.6 or AX-3.7. Then have that converted station ready to reinstall when upgrading the JACE via the Commissioning Wizard.*

Migrating a station

Use the NiagaraAX Station Migration Tool to migrate a station from Niagara 3.5 or earlier to Niagara 3.6 or later.

Step 1 Copy the station database (config.bog) from the AX-3.5 (or earlier) JACE, and paste it into the station's folder in the AX-3.7 or later Workbench enabled for Sedona Framework TXS-1.2, or AX-3.6 or later Workbench enabled for Sedona Framework TXS-1.1.

Step 2 From that Workbench computer, open a Niagara console window.

For example, from Windows: Start > All Programs > Niagara AX 3.6.n > Console

Or, from the normal Workbench menu: Window > Console

Step 3 Enter the following command:

```
nre sedonanet:com.tridium.sedonanet.migrate.MigrateBog [path\to\config.bog]
```

For example, a station folder "SedJenTest" with config.bog is copied under !stations\.

From the default Niagara console prompt, the following command is entered:

```
nre sedonanet:com.tridium.sedonanet.migrate.MigrateBog
stations\SedJenTest\config.bog.
```

Step 4 The command executes and the new migrated `config.bog` file will be in the same location.

The original config.bog file is renamed "`preMigrate_config.bog`", and is also in the same location.

Figure 1 shows the NiagaraAX Station Migration Tool being used in the Niagara console window. and the migration results in the Workbench Nav tree (under "My File System").

Figure 1 *Running NiagaraAX Station Migration Tool in Niagara Console*

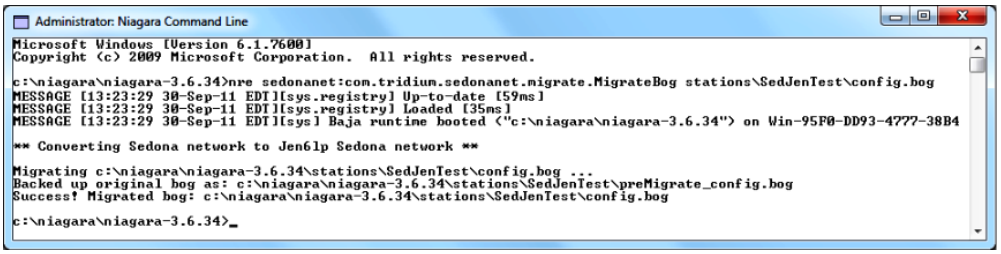


Figure 2 below shows the migration results in the Workbench Nav tree (under "My File System").

Figure 2 *Migration Results in Workbench Nav Tree*

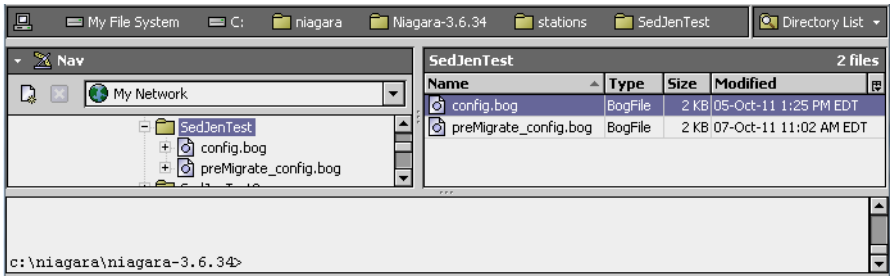
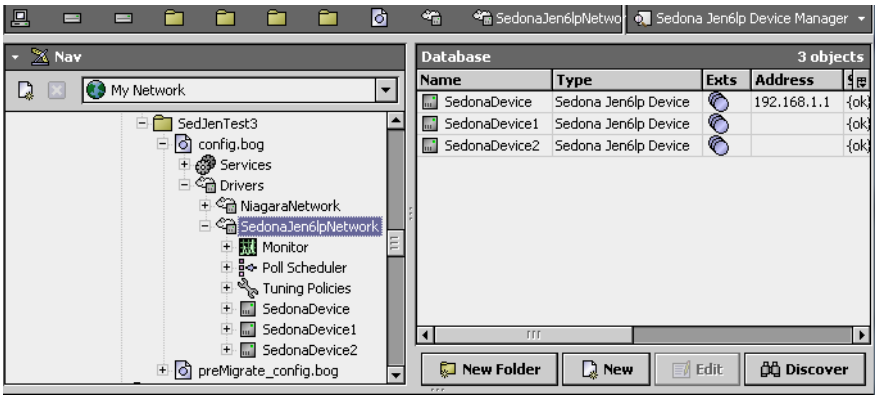


Figure 3 below shows the migration results in the Workbench Nav tree (under "My File System") for the SedonaJen6lpNetwork type (for wireless Jennic-based devices).

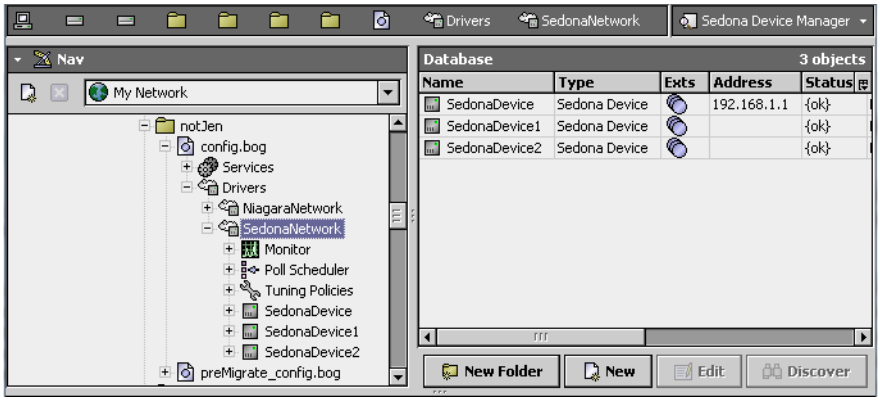
Figure 3 *Migration Results for Station with SedonaJen6lpNetwork for Wireless Jennic-based Devices*



Note: *If the migrated station has the SedonaJen6lpNetwork type, after reinstalling the station use the NiagaraAX platform Software Manager to remove the "Jennic" and "platJennic" software modules since they are no longer needed.*

Figure 4 below shows the migration results in the Workbench Nav tree (under "My File System") for the SedonaNetwork type (for Ethernet/WiFi devices).

Figure 4 *Migration Results for Station with SedonaNetwork for Ethernet/WiFi Devices*



After migrating the station, run the platform Commissioning Wizard (from the Niagara Workbench enabled for Sedona Framework TXS) to upgrade the JACE, and select the "Install Station" step to reinstall the converted station. For details on using the platform tools, refer to the *NiagaraAX Platform Guide*.

Document change log

Updates (changes/additions) to this *NiagaraAX Station Migration Tool—Engineering Notes* document are listed below.

- Updated: February 14, 2014
  Added a single Note: on Sedona Framework TXS 1.2 installation topics in AX-3.8 and AX-3.7u1.
- Updated: January 14, 2013
  Minor changes to mention Sedona Framework TXS 1.2 (requiring AX-3.7 or later). Note that screen captures were not updated to reflect a station running AX-3.7 with Sedona TXS 1.2 modules; however, all concepts and procedures in this document still apply.
- Publication: November 9, 2011
  Initial document.