



Prophet Setup Guide

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This documents installation and configuration of the Prophet Suite on the Niagara AX platform.

OVERVIEW	2
NIAGARA COMPATIBILITY	2
BROWSER COMPATIBILITY	3
INSTALLING ON A LOCAL WORKSTATION	4
INSTALLING ON A REMOTE STATION.....	5
ADD THE PROPHET SERVICE	6
LICENSING	6
LAUNCHING PROPHET	7
USER CONFIGURATION	7

Overview

The Prophet line of products and dashboard technologies are aimed at filling the necessity for intelligent data visualization solutions within the building automation and energy management space.

Through providing a simple to use WYSIWYG editor to enable the integrator and end user to create and save custom views and dashboards for their real-time and historic data, while retaining the capability for ad-hoc analysis of the same data, Prophet is flexible enough to accommodate all data visualization needs.

Niagara Compatibility

This software will function on all Niagara AX 3.*n.nnn* platforms. The following modules will be required:

- alarm.jar
- baja.jar
- bajai.jar
- bql.jar
- control.jar
- driver.jar
- email.jar
- file.jar
- fox.jar
- gx.jar
- history.jar
- niagaraDriver.jar
- platform.jar
- schedule.jar
- wbutil.jar
- web.jar
- workbench.jar

Browser Compatibility

The Prophet interface runs in web browser and all major browsers are supported. However, no matter which browser is used, Adobe Flash Player version 10 or later is required.

<http://get.adobe.com/flashplayer/>

Installing on a Local Workstation

It will be necessary to install Prophet on the local host. Typically this will be the integrators copy of the engineering tool.

1. Before installing, stop all running stations, and close all instances of the engineering tool.
2. Save the distribution file in the system root directory of the version of Niagara being used. For example, if you are using Niagara version 3.4.51, it might be located at C:\Niagara\Niagara-3.4.51\prophet.dist.
3. Rename “prophet.dist” to “prophet.zip”
4. Unzip the file.
 - a. If the option is given, choose “Extract Here.” If successful, there will be a directory named prophet and in it will be “Prophet.swf”.
 - b. Otherwise, use the following table to move Prophet content to the appropriate location.

Directory	Description
META-INF	Ignore and/or delete this directory; it is used by the Distribution File Installer.
modules	Move module jar files in this directory into the modules directory of the local Niagara AX installation. This is typically C:\Niagara\Niagara-3.n.nnn\modules.
prophet	This directory is only necessary if Prophet stations will be run from on the local computer. If so, move this directory into the system root of your local Niagara AX installation. This will typically be C:\Niagara\Niagara-3.n.nnn\prophet. The prophet directory will be a sibling of the modules and stations directories.

Rename “prophet.zip” back to “prophet.dist” if you will be installing prophet on remote computers.

Installing on a Remote Station

The following instructions should be used when installing Prophet on a remote computer. This is the preferred installation method.

The Distribution File

The Prophet distribution is a dist file named “prophet.dist”. It is recommended you save it in the Niagara system root directory. For example, if you are using Niagara version 3.4.51, it might be located at C:\Niagara\Niagara-3.4.51\prophet.dist.

Open the Remote Platform

Dist files are installed using the Distribution File Installer found in the Platform of the remote host.

The Distribution File Installer will not be available when installing to the local host.

Dist File Selection

When you open the Distribution File Installer, it searches for dist files on your local computer, using the last folder selected. If the Prophet dist file is not found in that directory, click the folder control to change the directory.

When searching is complete, a table of found dist files appears. Select the Prophet distribution and press the Install button.

Out of Date Modules

When installing a distribution to a remote Niagara AX host, its versions of installed modules are checked too. If modules are found that are out-of-date (compared to the modules installed locally), it lists them in a dialog, with the option to install them pre-selected.

Deselect the check box. Do not install the modules and bring them up to date.

Stop Running Station

Whenever a station is already running on the remote host, any dist file install requires that station to be stopped. After selecting a dist file, the Installer provides a confirmation dialog for this. When you finalize the install (click Finish), the Installer automatically stops the station, then continues with the distribution file install process.

Add the Prophet Service

Open the prophetEnergy palette in the engineering tool. Copy and paste the ProphetService object under the Services node in the station database (/config/services).

After the service is installed, it is recommend you double-click the UserService. Change the Web Profile of any Prophet prototypes to “Handheld Wb Web Profile”.

Licensing

Licensing is managed on an object in your database. The licensing object is located on the property sheet of the ProphetService. It has the following properties.

- Status – Will be “Licensed” or “Unlicensed”.
- Product Code – Text automatically generated by the driver that is needed to generate a license key.
- License Key – Where the key to validate the license must be entered.
- Dashboards – The maximum number of dashboards that can be used by an instance.
- Edition – Limited, standard, or enterprise

Configure the Dashboards and Edition properties.

Copy the value of the “Product Code” property that is automatically generated. You can highlight the value and copy it by pressing CTRL-C. Send the product code to your Prophet Representative. They will respond with a text string for you to enter in the “License Key” property.

The exact text and case of the product code and license key are critical. Do not send screen shots. Highlight the text, copy it using CTRL-C and paste into an email.

Launching Prophet

To log into Prophet with your browser, visit /prophet on the target station. For example, if the station were running at the IP address 196.198.1.10, you would visit the following URL:

<http://196.198.1.10/prophet>

Log in as user “prophetAdmin” and the default password is *dashboard!*

User Configuration

Prophet automatically creates the user prophetAdmin as well as some user prototypes. The user prototypes are used for management of settings for groups of users.

prophetAdmin

This user is automatically created. If the user is deleted, it will be installed the next time the ProphetService starts. If you wish to disable this user, clear the user prototype property enabled to false.

The default password for the prophetAdmin user is: *dashboard!*

Prototypes

Prototypes are used to manage groups of users. The Prophet automatically synchronizes user properties with their corresponding prototype. The following properties are synchronized if the user’s value is null, or matches the prototype:

- Permissions
- NavFile – Prototypes should only have nav files if individual users will not have the ability to modify their nav file.
- Web Profile – It is recommended you use the HandheldWebProfile unless specific requirements require otherwise.



Nav Ord

Users can only view Prophet through a web browser. To access Prophet, their nav file should contain the following ord:

prophet:

To launch Prophet as the default home page, this ord should be the root element of the nav file.

Permissions

Users must have permission to view the ProphetService object.