

EagleHawk NX HMI DRIVER

User Guide



EAGLEHAWK NX HMI DRIVER

4.4.xx.x.x.x

USER GUIDE

Software License Advisory	This document supports software that is proprietary to Honeywell GmbH, Honeywell Control Systems Ltd. and/or to third party software vendors. Before software delivery, the end user must execute a software license agreement that governs software use. Software license agreement provisions include limiting use of the software to equipment furnished, limiting copying, preserving confidentiality, and prohibiting transfer to a third party. Disclosure, use, or reproduction beyond that permitted in the license agreement is prohibited.
Trademark Information	<p>CentraLine and 'close to you' are trademarks of Honeywell Inc.</p> <p>BACnet and ASHRAE are registered trademarks of American Society of Heating, Refrigerating and Air-Conditioning Engineers. Microsoft and Windows are registered trademarks, and Windows Internet Explorer are trademarks of Microsoft Corporation. Java and other Java-based names are trademarks of Sun Microsystems Inc. and refer to Sun's family of Java-branded technologies. Mozilla and Firefox are trademarks of the Mozilla Foundation. Echelon, LON, LonMark, LonTalk, and LonWorks are registered trademarks of Echelon Corporation.</p> <p>Tridium, JACE, Niagara Framework, NiagaraAX Framework, Sedona Framework and Vykon are registered trademarks, and Workbench, WorkPlaceAX, and AXSupervisor, are trademarks of Tridium Inc. All other product names and services mentioned in this publication that is known to be trademarks, registered trademarks, or service marks are the property of their respective owners.</p>

CONTENTS

SYSTEM REQUIREMENTS	7
INTRODUCTION	7
INSTALLATION	8
CONFIGURING EAGLEHAWK HMI DRIVER	8
Mandatory and Optional Steps	9
Adding HMI Driver to Service and Enabling Driver	9
Setting HMI PIN	13
Defining HMI User Rights	14
Enabling Alarming on HMI	16
Enabling Alarm LED	17
Filling Fast Access Lists	23
Filling Fast Access List via Drag&Drop	24
Filling Fast Access List via Dictionary Tagging	28
Adjusting Poll Rate for Optimum Performance	29
Setting Time Format on Home Screen	31
Local language HMI Menus – Translation	32
DEFINING OPERATING SEQUENCES	34
Default Operating Sequence	34
Default Operating Sequence Components Descriptions	36
Basic Procedure	37
Fast Access Lists	39
Enhancing Default Operating Sequence	39
Schedules and Calendars	39

SYSTEM REQUIREMENTS

Niagara Version:

- Niagara 4.4.92.2.1.5 and higher

Controllers**Products and OS Numbers**

For detailed information on the applicable controllers including their OS Numbers and licenses, please download the corresponding, product data, software release bulletin and/or the compatibility matrix at:

Product Data

<http://products.centraline.com/en/>

Software Release Bulletin**Compatibility Matrix**

<https://clfaq.ge51.honeywell.de/?action=artikel&cat=70&id=1616&artlang=en>

Licenses and Point Handling

When having a license allowing only a limited number of points and you are deleting points, the free number points are not available instantly. To make the free number of points available again, please restart the station.

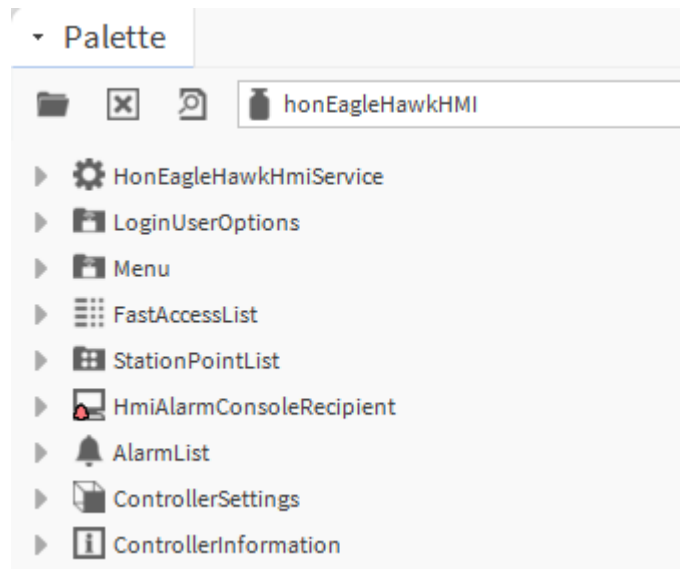
INTRODUCTION

The Centraline NX EagleHawk HMI Driver allows defining individual operating sequences based on pre-defined operating components. Operating components can be any of the following:

- Fast access list
- Station point list
- Alarm list
- Login User options
- Controller settings
- Controller information
- Menu

Prior to the definition of operating sequences, the EagleHawk HMI Driver must be added to the Services folder and configured in 2 steps to provide its functionality (see “configuring EagleHawk HMI Driver” section, p. 8).

After addition of the Centraline NX EagleHawk HMI Driver to the Services folder, the operating components are provided in the *honEagleHawkHMI* palette:



While working on the creation of the operating sequence in the CentralLine NX workbench, the HMI of the connected EagleHawk controller will be updated dynamically with the extended/changed operating sequence.

INSTALLATION

The EagleHawk HMI Driver is part of the ARENA NX / COACH NX installation package, version 4.4.xx and higher.

CONFIGURING EAGLEHAWK HMI DRIVER

Prerequisites

Make sure that the following steps are done prior to the configuration of the EagleHawk HMI Driver in the CentralLine NX workbench.

- **Hardware**
Connect the EagleHawk controller to the PC
- **Offline Engineering**
If not already available in the current and appropriate CentralLine NX installation, copy the following files to the *Modules* folder
 - honEagleHawkHMI-rt.jar
 - honEagleHawkHMI-ux.jar
 - honEagleHawkHMI-wb.jar
 - honTagDictionary-rt.jar
- **Online Engineering**
copy the following file to the controller:
 - honEagleHawkHMI-rt.jar
- **Common Steps**
 - Start CentralLine NX
 - Open the platform
 - Create the station
 - Start and connect to the station

For details on the hardware steps, please refer to the EagleHawk Installation & Commissioning Instructions, form no. EN1Z-1039GE51.

For details on the software steps, please refer to the corresponding sections in the “CentralLine NX Onboard I/O Driver“ user guide, form no. EN2Z-1044GE51.
The configuration of the HMI driver must include the following steps:

Mandatory and Optional Steps

Mandatory Steps

The following main steps must be done in order operate the controller via HMI:

- Adding the HMI driver to the service and enabling the driver
- Setting a PIN for HMI access
- Defining HMI user rights

Optional Steps

The following optional steps can be done in order to use some features such as fast access lists for a fast and simple operation of the controller via HMI:

- Enabling HMI alarming and alarm LED
- Configuring alarming
- Create fast access lists (FAL) containing points, schedules and reference points
- Creating custom HMI sequences

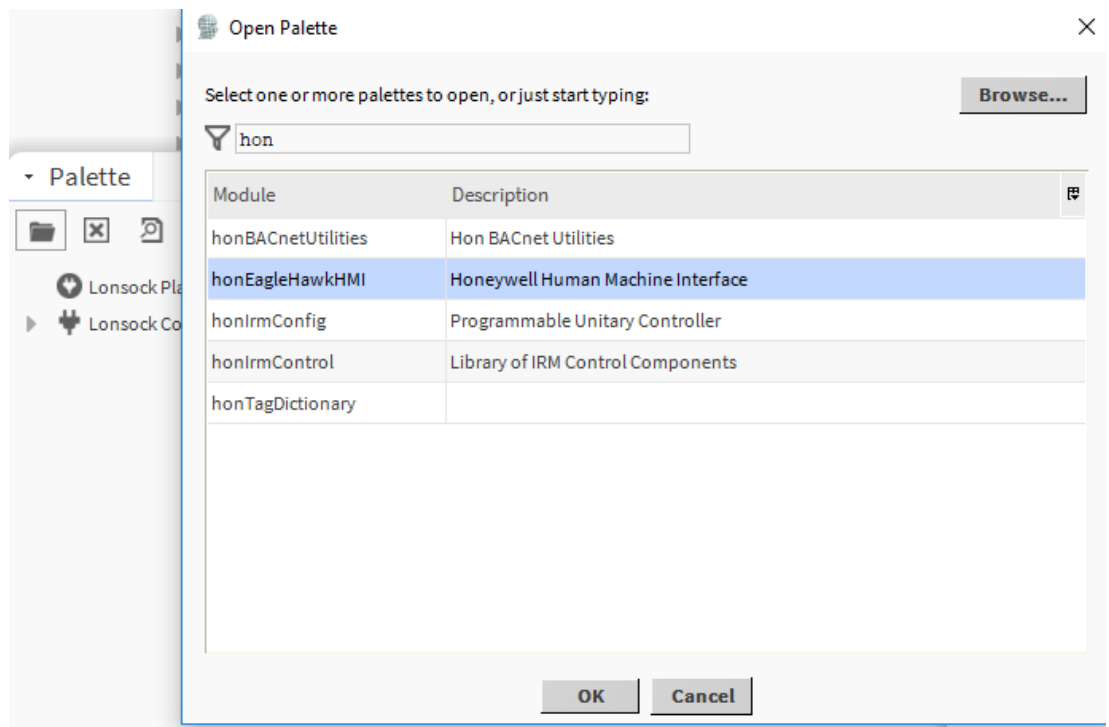
Adding HMI Driver to Service and Enabling Driver

This step is mandatory for HMI operation.

Procedure

1. In the *Palette* side bar, click the **Open** icon.

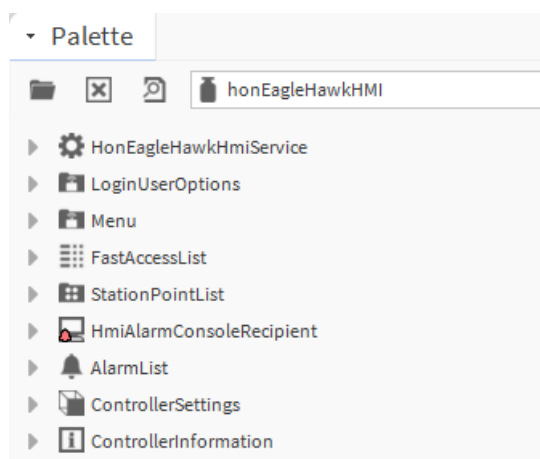
RESULT: The *Open Palette* dialog box displays.



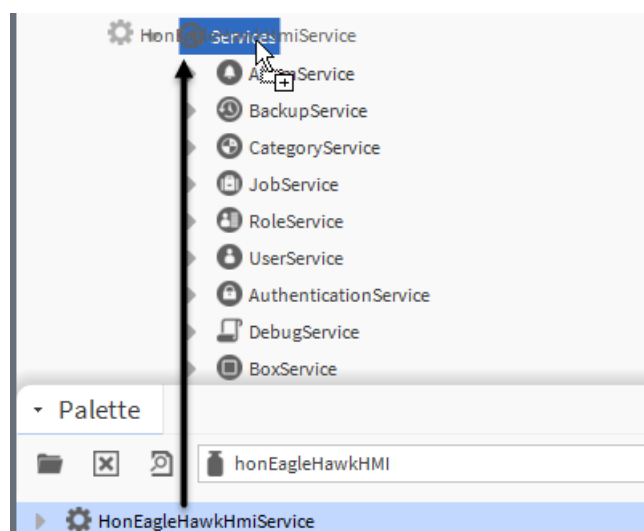
2. Enter 'hon', and then select 'honEagleHawkHMI' in the list.

3. Click **OK**.

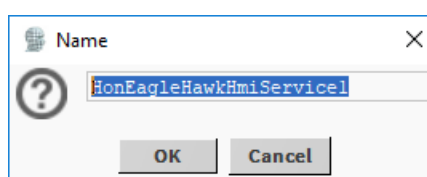
RESULT: The **honEagleHawkHMI** palette is displayed.



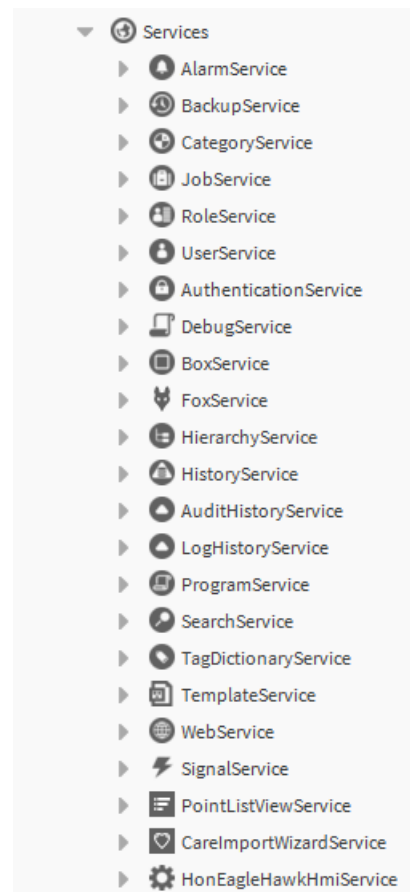
4. Drag&drop the **HonEagleHawkHmiService** from the palette to the **Services** folder.



RESULT: The **Name** dialog box is displayed.

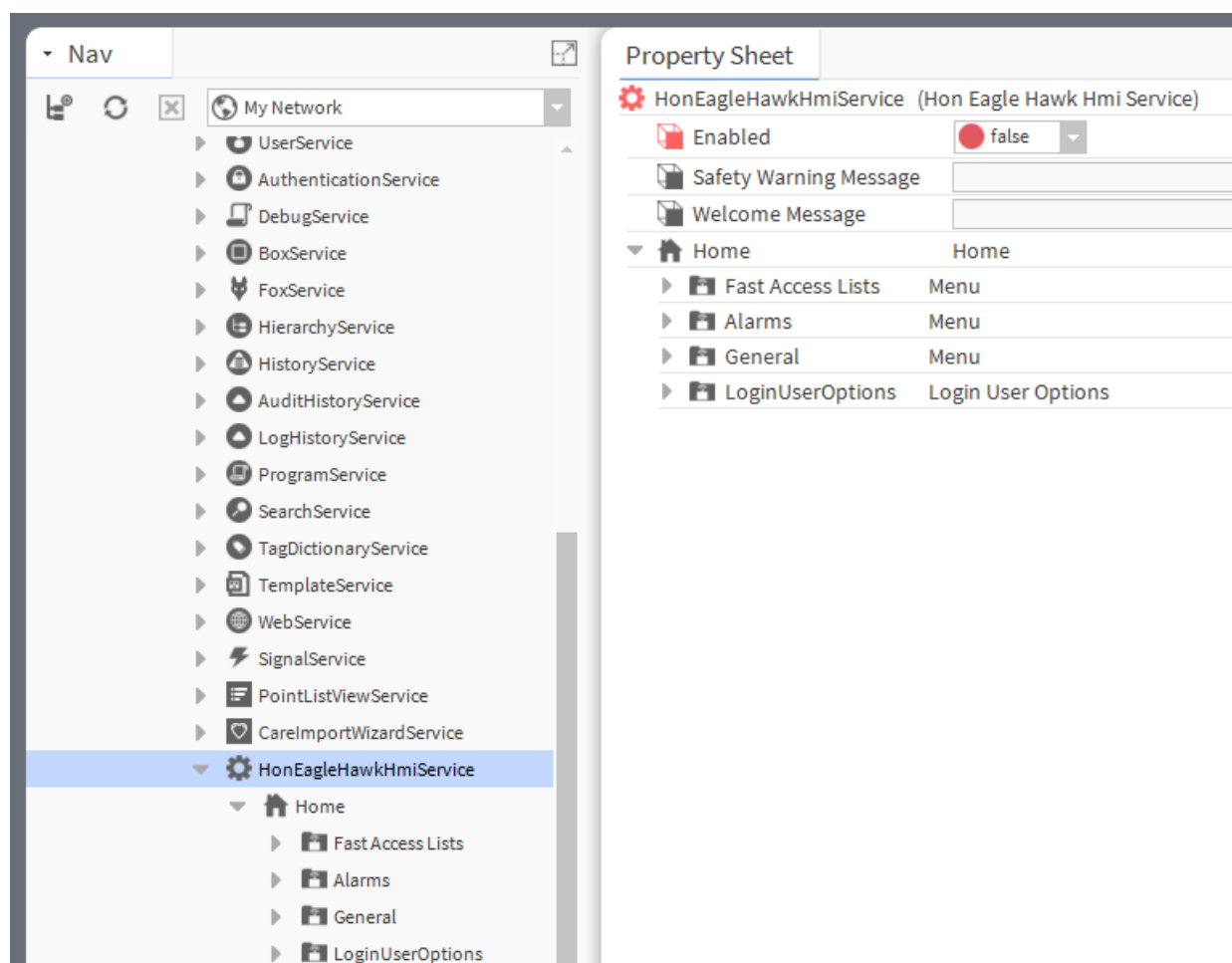


5. Change the name if desired, and then click **OK**.

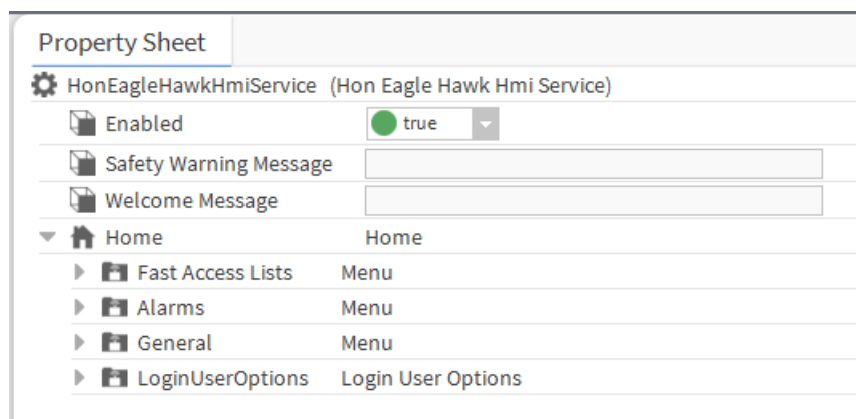


RESULT: The service is added to the *Services* folder.

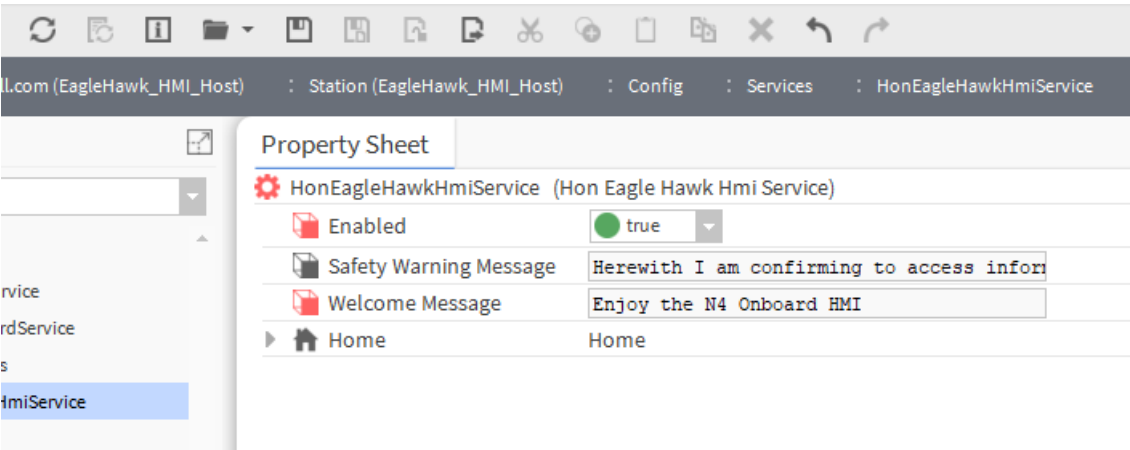
6. Double-click the service to display the *Property Sheet* on the right.



7. From the **Enabled** drop-down listbox, select 'True'.



8. For changing, deleting or translating the safety warning and/or welcome messages on the HMI, enter the desired text in the **Safety Warning Message** and **Welcome Message** fields.



For translating the “Safety Warning” and “Welcome” messages, you can also use the Lexicon tool as described in section “Local language HMI menus – translation”.

Both the “Safety Warning” and the “Welcome” message can be deleted if desired.

- 9. From the **Enabled** drop-down listbox, select ‘True`, and click **Save** button on the bottom.

RESULT: The service is enabled.

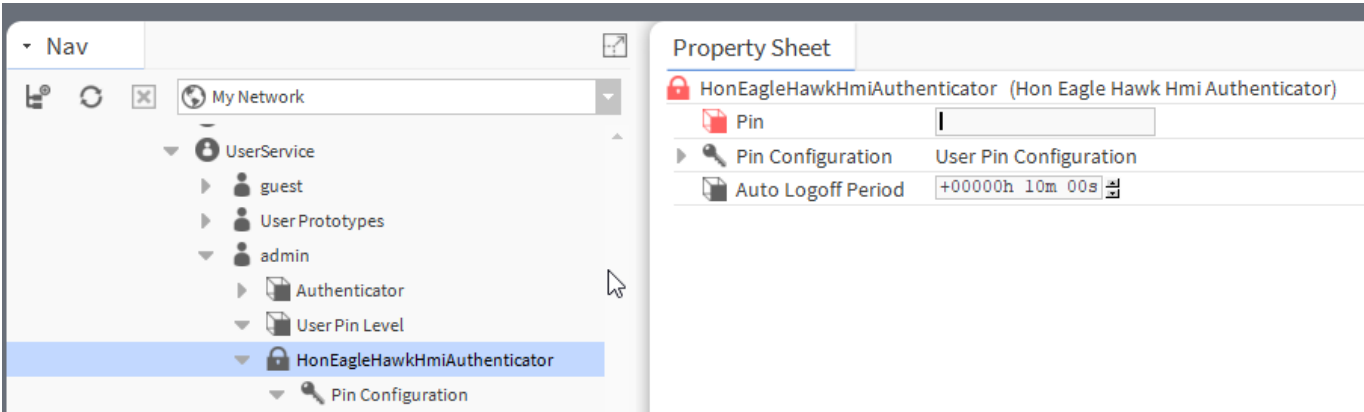
- 10. Continue with the next mandatory step described in the “Setting HMI PIN” section, p. 13.

Setting HMI PIN

This step is mandatory for HMI operation.

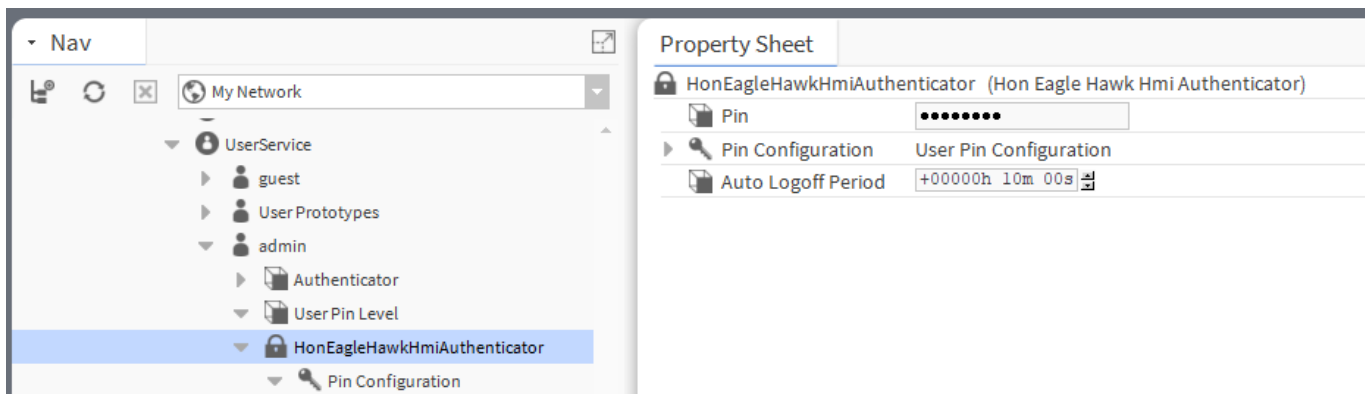
Procedure

- 1. Expand the *UserService* folder and browse to every user which you want to give permission for operating the EagleHawk via HMI.
- 2. Double-click on **HonEagleHawkHmiAuthenticator** under the user name level.

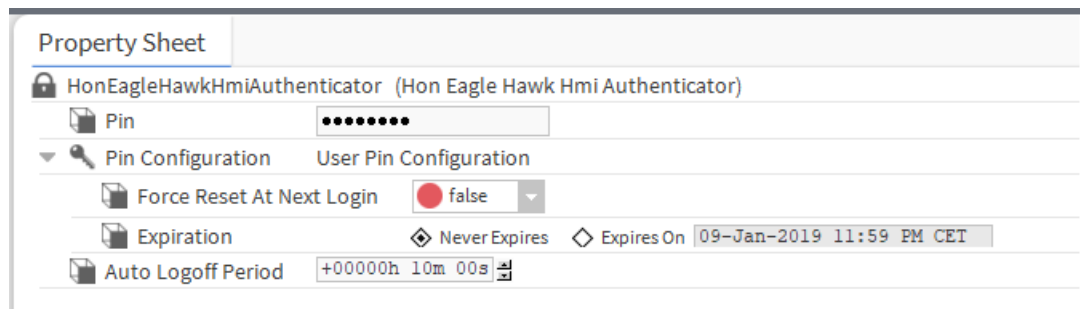


- 3. On the *Property Sheet* on the right, enter a 5-digit in **Pin**.

NOTE: A PIN must be entered, otherwise a user cannot access the controller via HMI using the entered PIN. Due to security reasons, there is no default PIN provided.



4. As optional steps, you can apply any of the following configuration steps.



5. Expand **Pin Configuration**.

6. From the **Force Reset At Next Login** drop-down listbox, select whether the user must create a new Pin the next time he logs in (true), or not (false).

7. In **Expiration**, select the expiration for the pin input:

- Never expires
permits the user to always log in.
- Expires On <date, time>
allows the user to log in until the expiration date and time

8. In **Auto Logoff Period**, enter the period of a user's inactivity may last before a station connection is automatically disconnected.

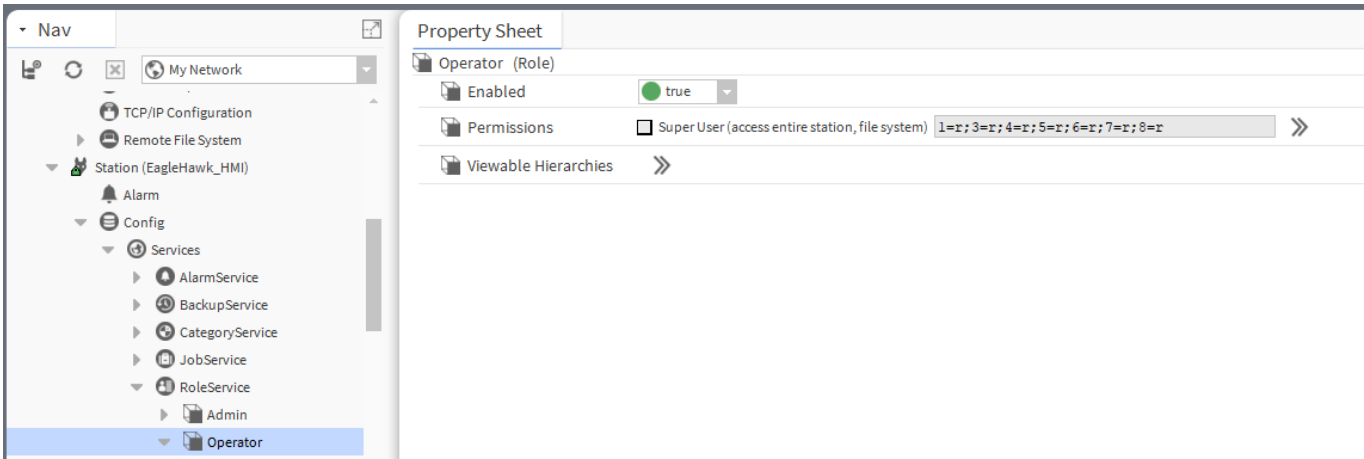
9. Click **Save** button on the bottom.

Defining HMI User Rights

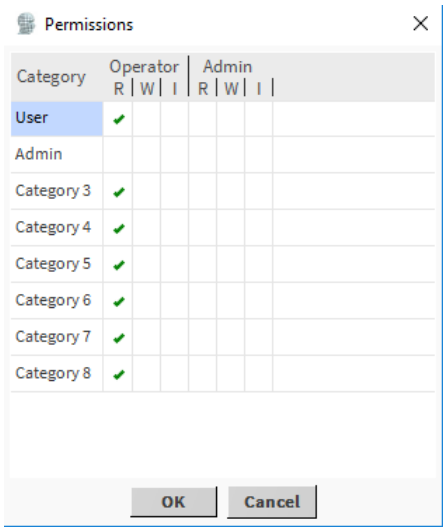
This step is mandatory for HMI operation.

For defining specific user rights when operating the controller via HMI, the standard Niagara Role service is used.

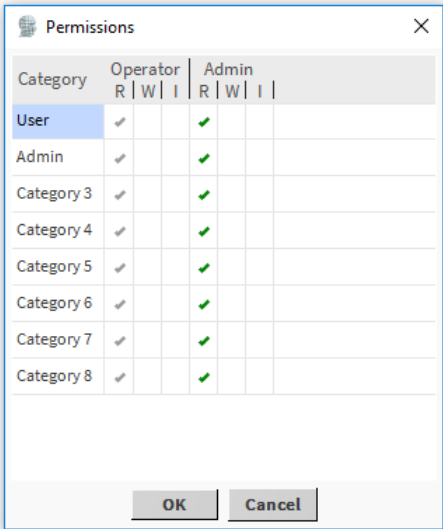
1. Expand the *RoleService* folder and browse to the user for which you want to define the user rights.
2. Double-click on the user to display the *Property Sheet*.



3. Click the right double-arrow at **Permissions**.



4. In the *Permissions* dialog box, select the read and write rights for the categories in the corresponding **R** and **W** columns. For the admin user at least read rights must be defined for the desired categories. Otherwise the user will have no access via HMI.



5. Click **OK**.

Enabling Alarming on HMI

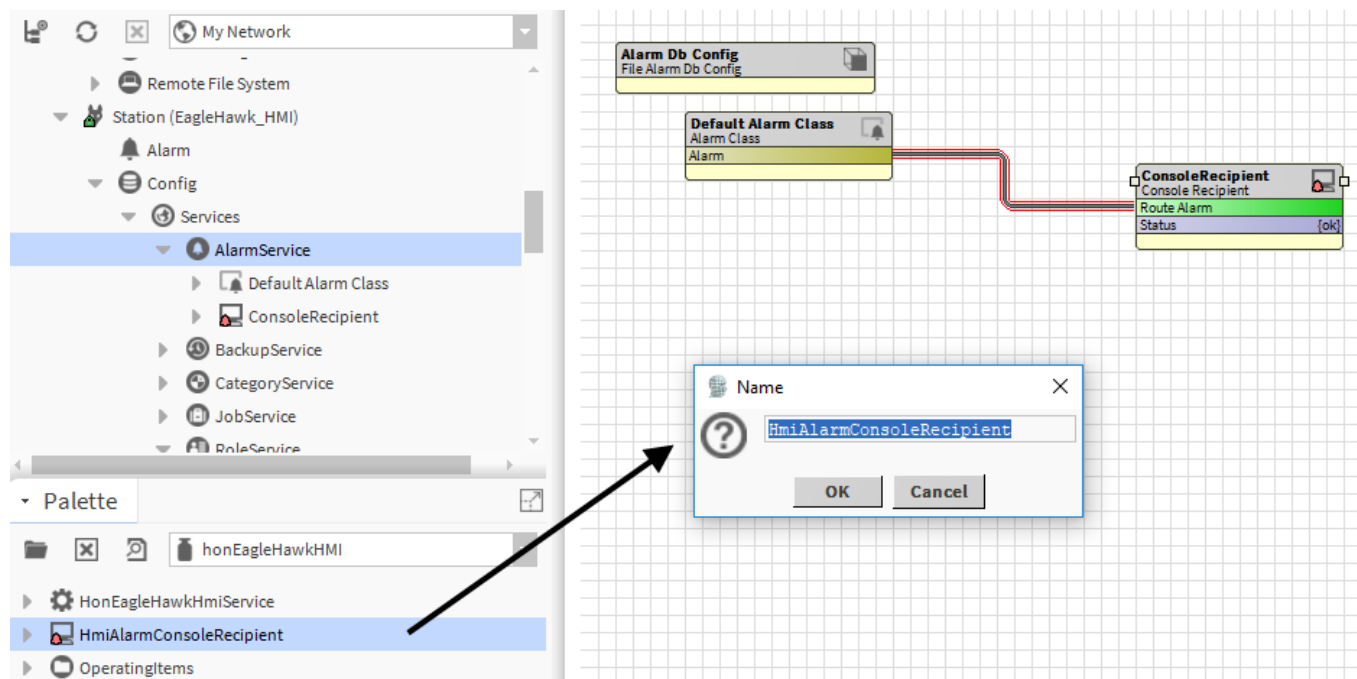
This step is optional for HMI operation.

Procedure

1. In the *Palette* pane, open the **honEagleHawkHMI** palette.
2. In the *Nav tree*, expand the *Services* folder, and then double-click **AlarmService**.

RESULT: The *Enhanced Wire Sheet* displays.

3. Add the **HmiAlarmConsoleRecipient** to the *Enhanced Wire Sheet*.

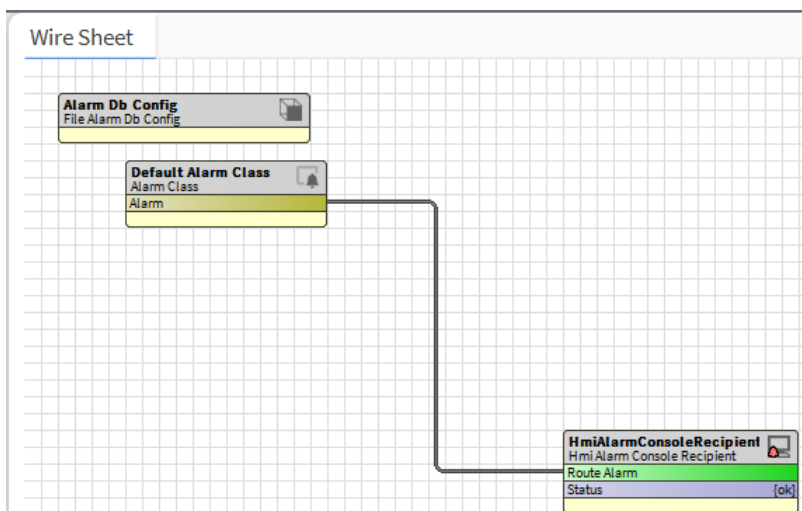


RESULT: The *Name* dialog box displays.

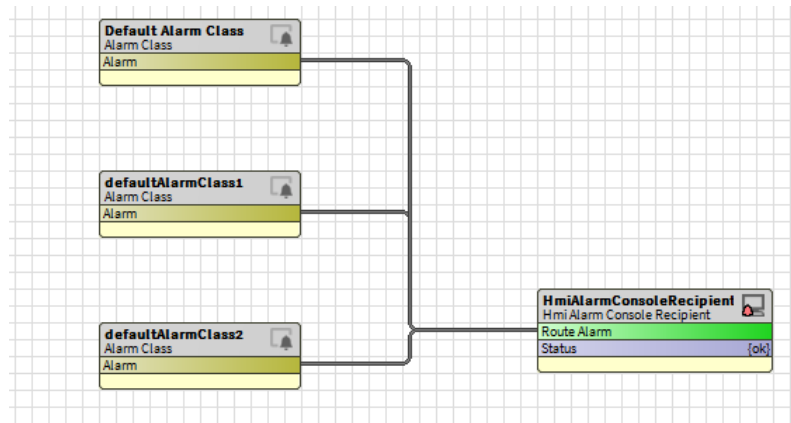
4. Change the name if desired.
5. Click the **OK** button.

RESULT: The **HmiAlarmConsoleRecipient** is added to the *Enhanced Wire Sheet*.

6. Connect it to the **Alarm Class** that is assigned to the point(s) of which alarms you want to monitor on the HMI (alarm segregation).



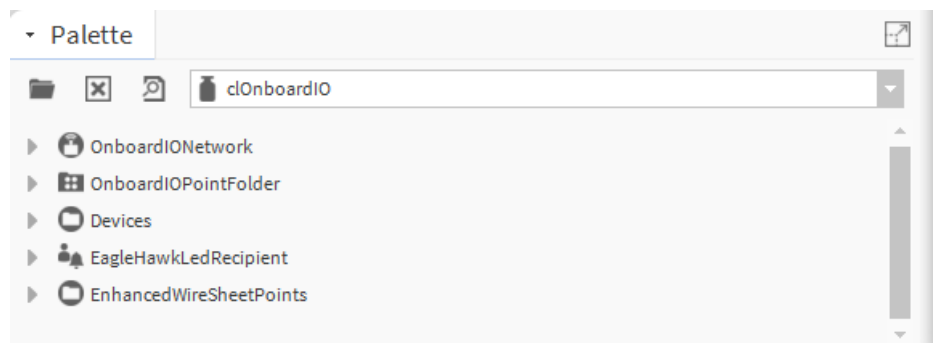
7. If alarm segregation of multiple points is required, add additional alarm classes to the *Enhanced Wire Sheet* and assign each of them to the **HmiAlarmConsoleRecipient**.



Enabling Alarm LED

This step is optional for HMI operation.

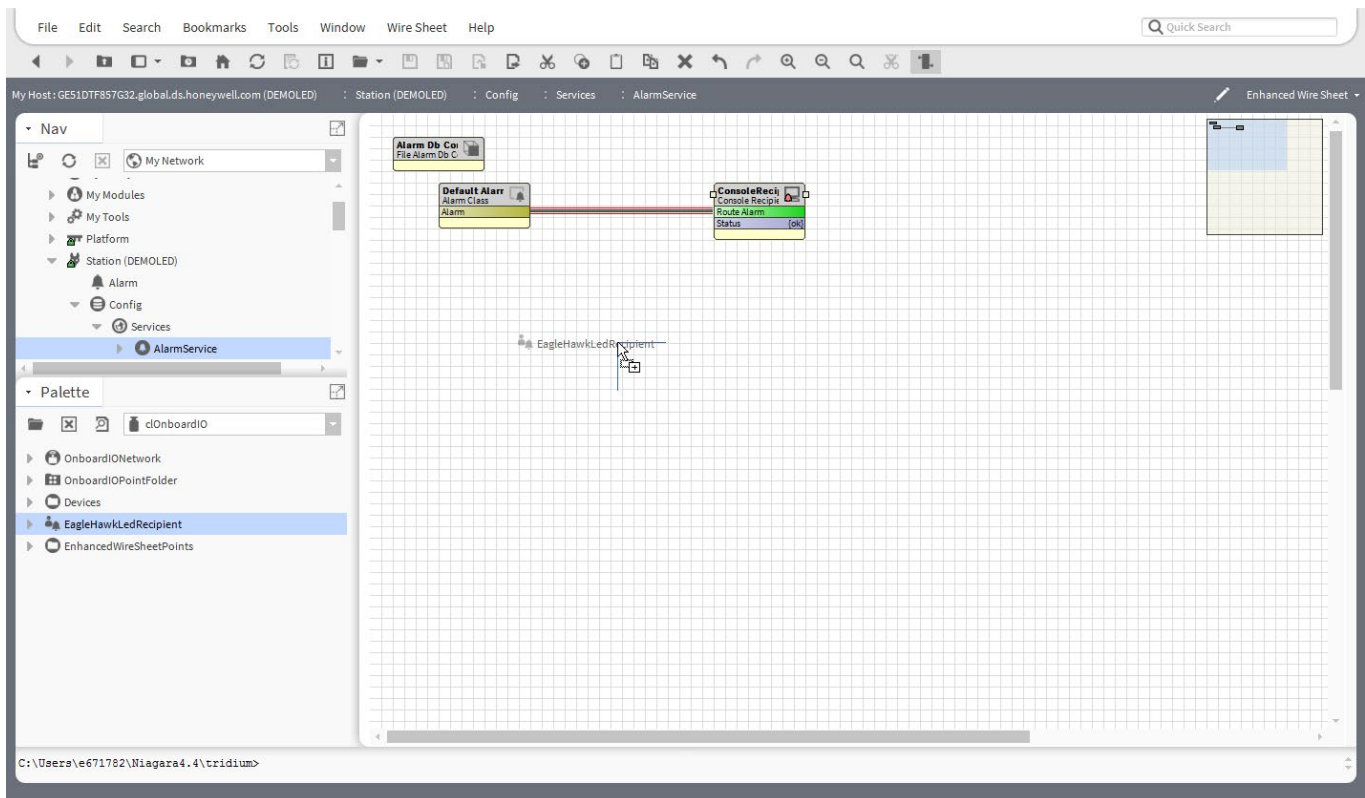
- Procedure**
1. In the *Palette* pane, open the **clOnboardIO** palette.



2. In the *Nav tree*, expand the *Services* folder, and then double-click **AlarmService**.

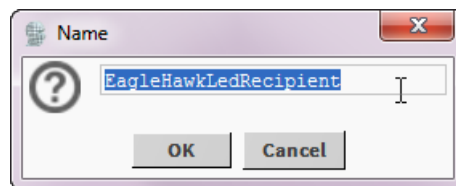
RESULT: The *Enhanced Wire Sheet* displays.

3. On the *Enhanced Wire Sheet*, add an Alarm **ConsoleRecipient** and connect it to the **Alarm Class** component that is assigned to the datapoint(s) of which alarms you want to monitor.



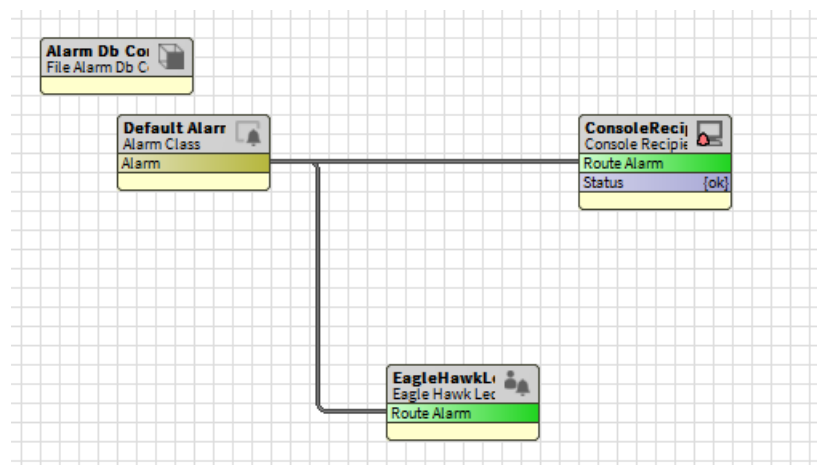
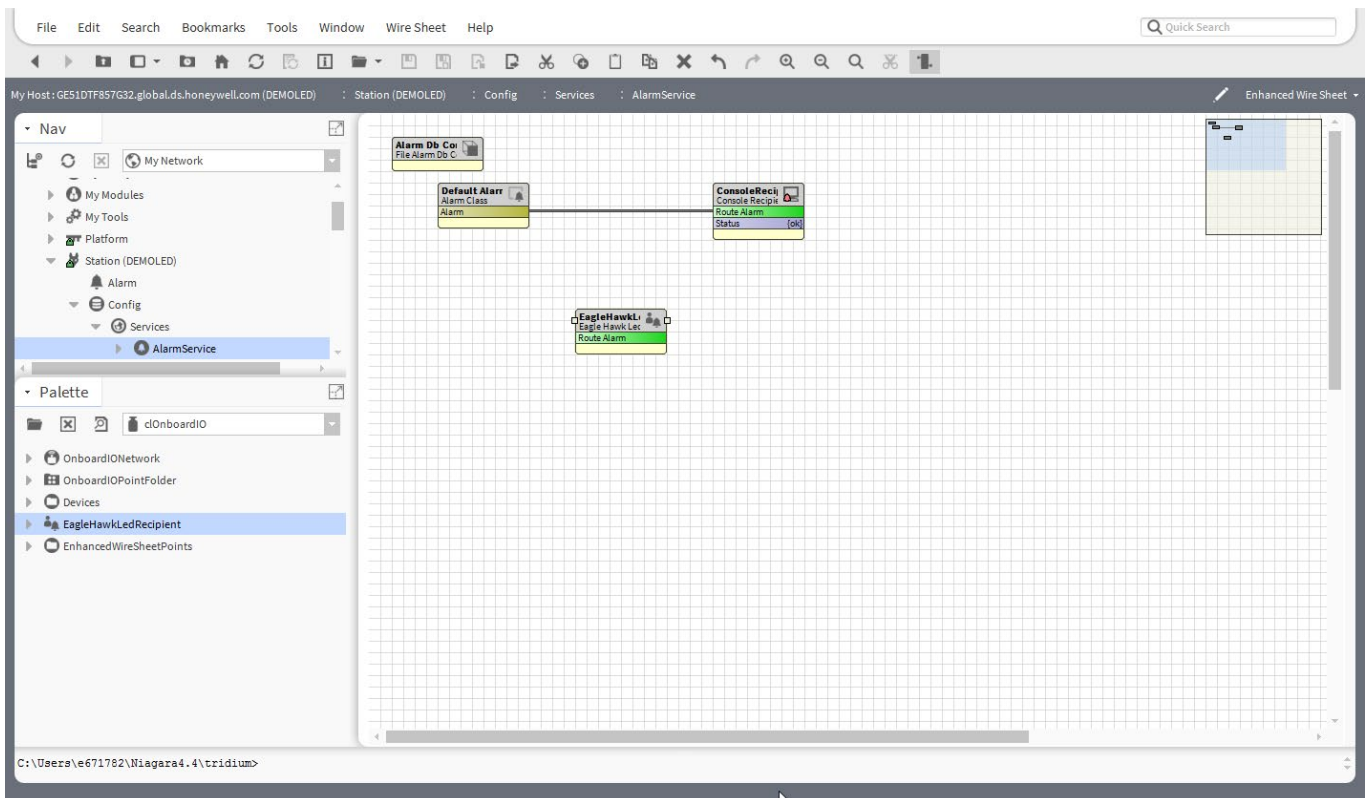
4. From the *Palette* pane, drag&drop the **EagleHawkLedRecipient** to the *Enhanced Wire Sheet*.

RESULT: The *Name* dialog box displays.

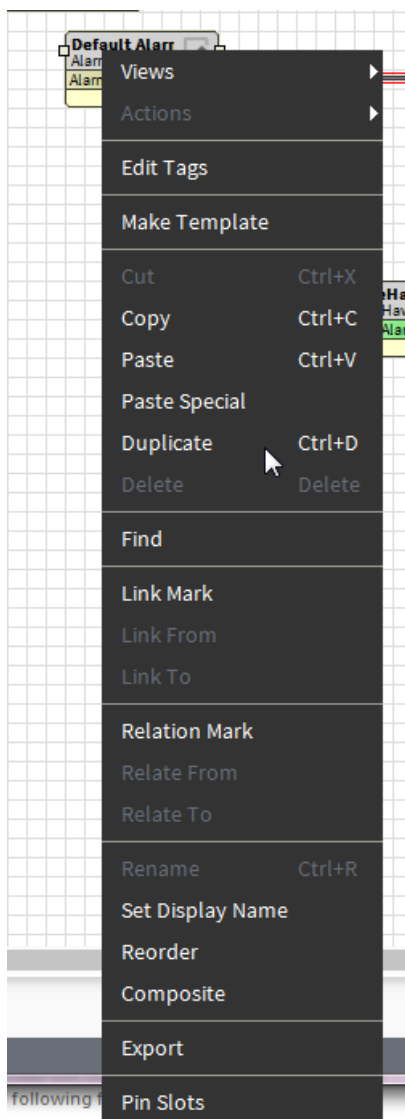


5. Change the name if desired.
6. Click the **OK** button.

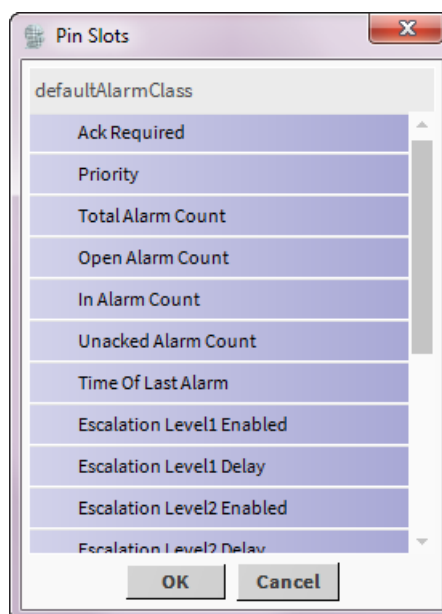
RESULT: The **EagleHawkLedRecipient** is added to the *Enhanced Wire Sheet*.



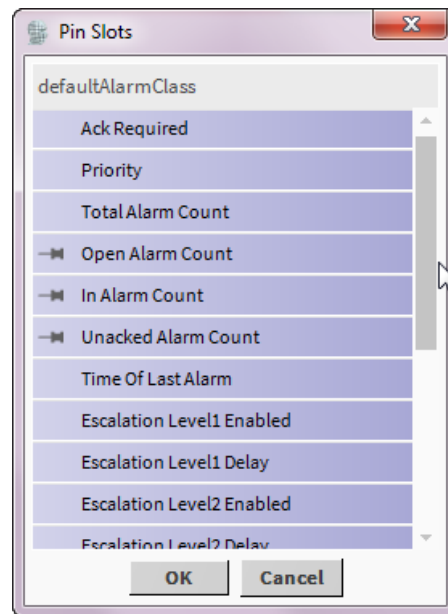
7. Connect the **EagleHawkLedRecipient** to the **AlarmClass**.
8. Right-click on the **Alarm Class**, and select **Pin Slots** in the context menu.



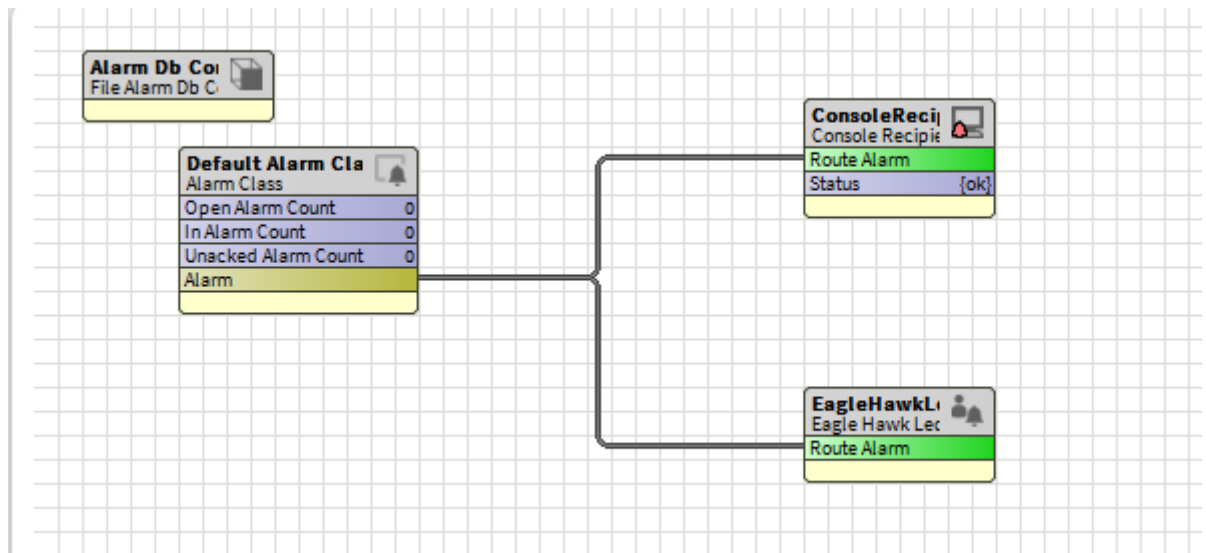
RESULT: The *Pin Slots* dialog box displays.



9. Click the **Alarm Count Types** you want to be shown in the **Alarm Class** component.

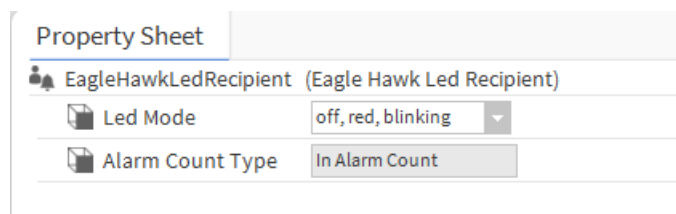


RESULT: The selected alarm count types are shown in the **Alarm Class** component. The counters are set to 0.

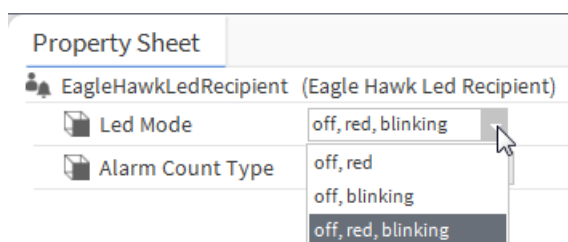


10. Double-click the **EagleHawkLedRecipient** in the *Enhanced Wire Sheet*.

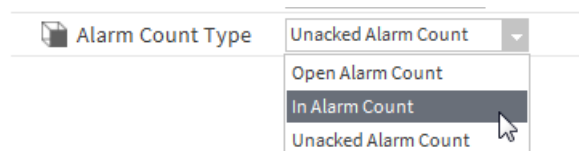
RESULT: The EagleHawkLedRecipient *Property Sheet* displays.



11. From the **Led Mode** drop-down listbox, select the mode.



12. From the **Alarm Count Type** drop-down listbox, select the alarm count type.

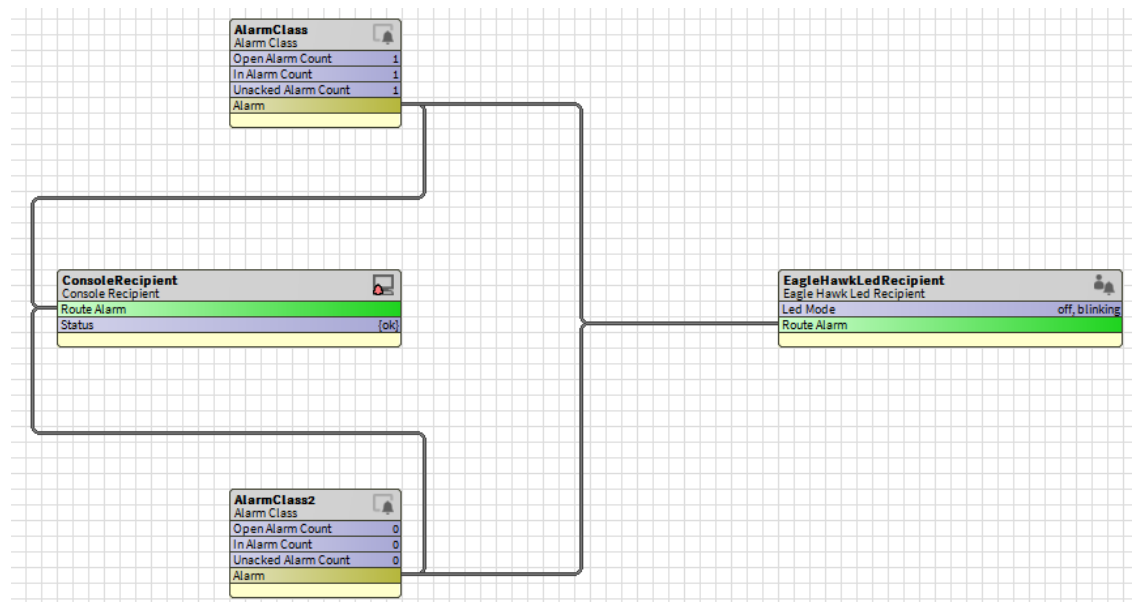


13. Click the **Save** button at the bottom.



14. If you want to monitor alarms of datapoints using different alarm classes, add the alarm class component(s) to the *Enhanced Wire Sheet*, and then assign the alarm class component to the **EagleHawkLedRecipient** and the Alarm **Console Recipient** (see previous steps).
15. To monitor alarms, reopen the *Enhanced Wire Sheet* and track the counters displayed in the **Alarm Class** component.

Example: The following screenshot shows 2 alarm classes used for alarm monitoring. Both are connected to the **Console Recipient** and the **EagleHawkLedRecipient**. The **AlarmClass** component on the top shows its 3 counters each indicating that currently one alarm has occurred. The LED on the controller will be blinking due to the Led Mode setting = 'off, blinking'. Depending on the selected alarm count type, the result of the counts displayed will be different when the alarm is acknowledged and/or is going back to normal.



16. For alarm acknowledgement, open the alarm console by clicking the **Alarm Class** component.

Filling Fast Access Lists

This step is optional for HMI operation.

By default, the EagleHawk HMI driver provides empty fast access lists which can be filled with points, schedules, and reference points.

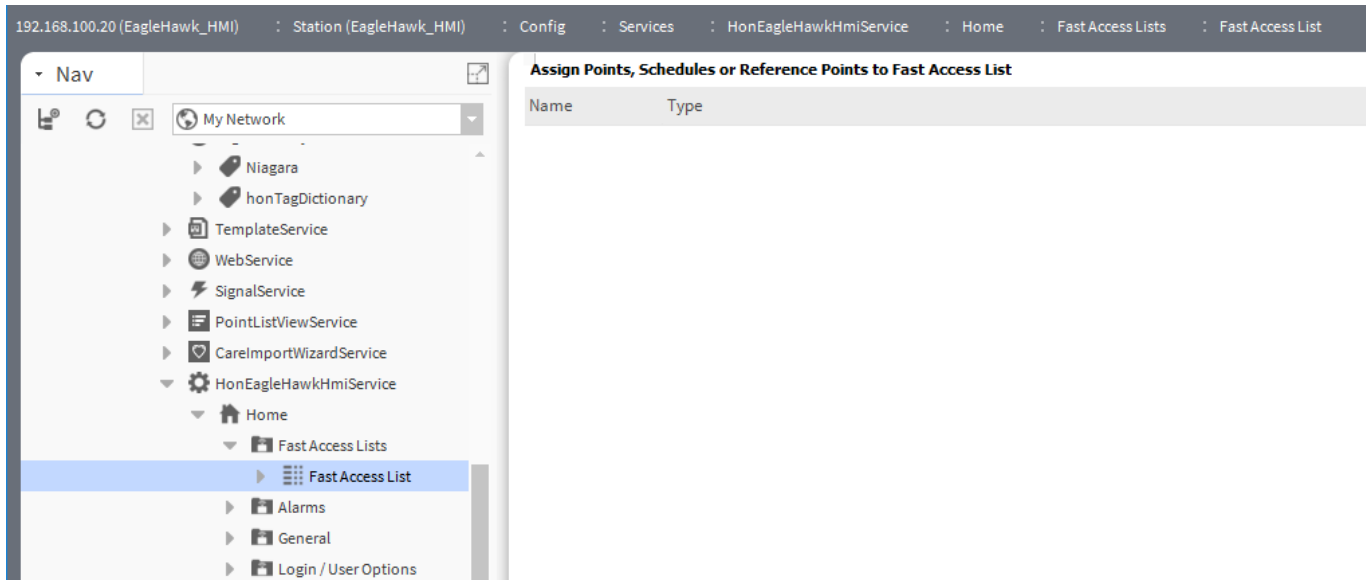
To fill a fast access list (FAL) with points, schedules and reference points you have two options:

- Drag& Drop of points, schedules and reference points to the fast access list (see section "Filling Fast Access List via Drag&Drop", p. 24)
- Dictionary Tagging by attaching a tag to points, schedules and reference points and then assigning the tag to individual fast access lists (see section "Filling Fast Access List via Dictionary Tagging", p. 28)

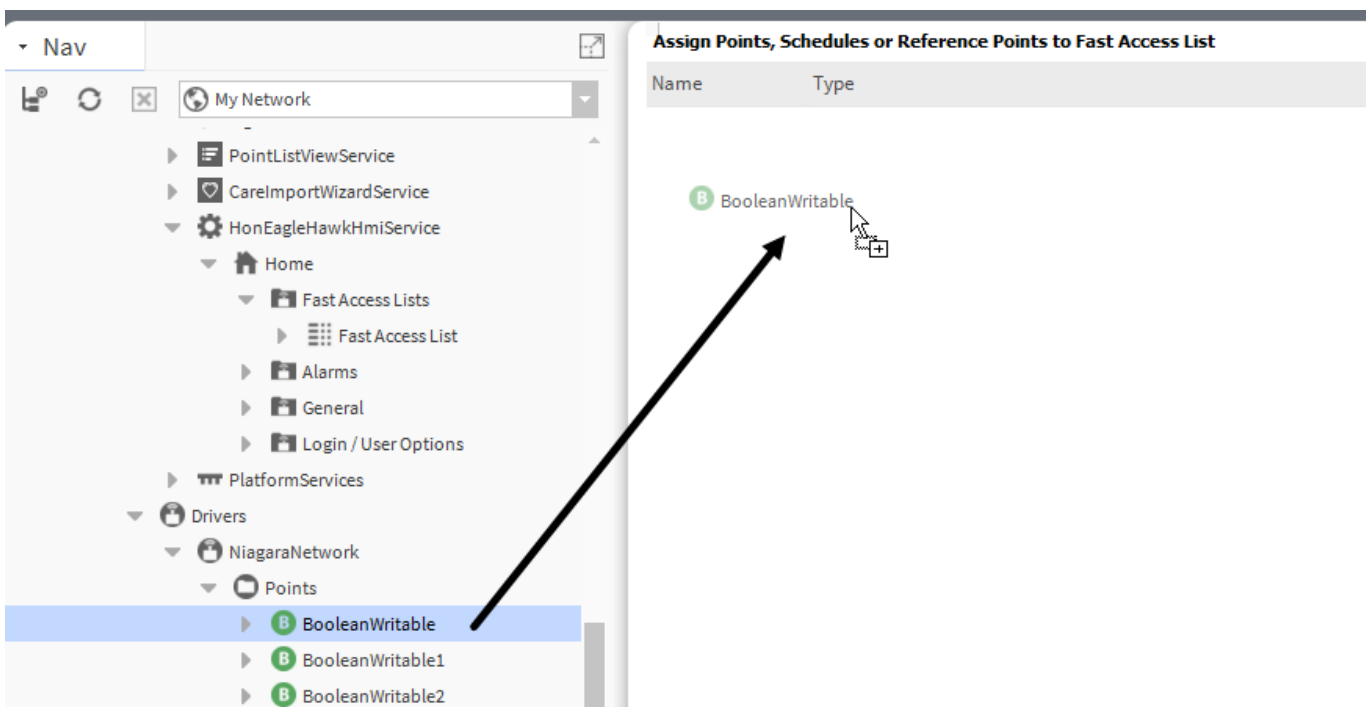
Filling Fast Access List via Drag&Drop

- Procedure**
1. In the *Nav* tree in the *Services* folder, expand the **HonEagleHawkHmiService** folder.
 2. Double-click on the fast access list entry.

RESULT: The *Fast Access List View* is enabled and the *Assign Points, Schedules or Reference Points to Fast Access List* pane is displayed.



3. Expand the *Drivers* folder and navigate to the *Points* folder.



4. Select the point and add it to the fast access list by dragging&dropping it to the *Assign Points, Schedules or Reference Points to Fast Access List* pane.

Assign Points, Schedules or Reference Points to Fast Access List	
Name	Type
BooleanWritable	Control Point

5. Drag&drop all points to the *Assign Points, Schedules or Reference Points to Fast Access List* pane you want to be included in the fast access list.

Assign Points, Schedules or Reference Points to Fast Access List	
Name	Type
BooleanWritable	Control Point
BooleanWritable1	Control Point
BooleanWritable2	Control Point
NumericWritable	Control Point
NumericWritable1	Control Point
NumericWritable2	Control Point

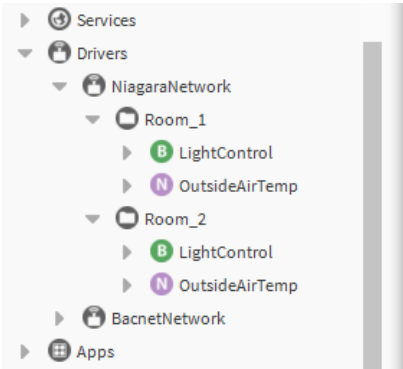
6. For creating multiple fast access lists including different point sets, add the fast access list component from the palette to the driver and rename it accordingly (see “Basic Procedure” section, p. 37). Then assign the points to the different fast access lists as described in the previous steps.

Advanced Point Name Formatting

Changing Point Name Format

Point names can be displayed with additional navigation tree information

Points at different locations might have the same name. Sometimes it might make sense to copy complex structures resulting in recurrent names.

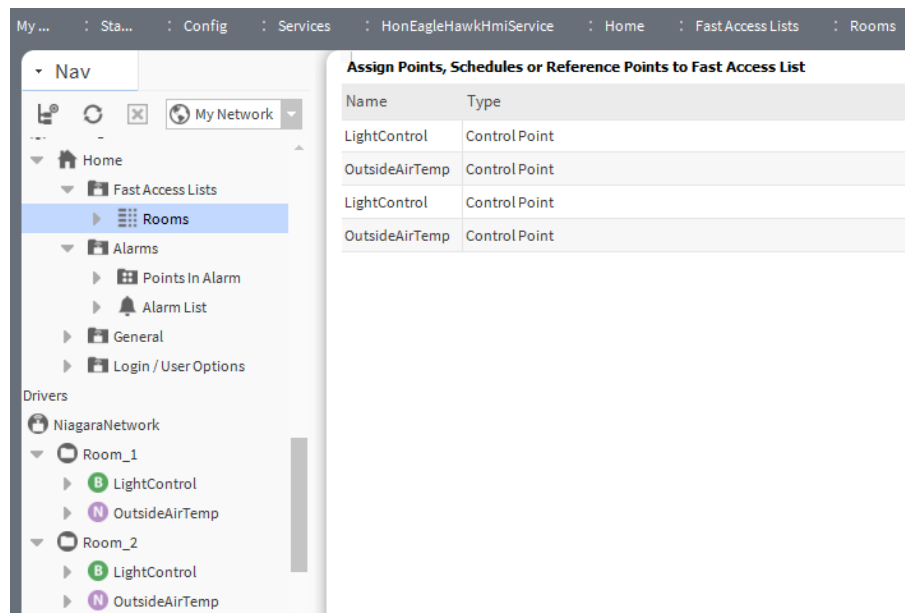


LightControl B	
Boolean Writat	
Out	- {null} @ def
In10	- {null}
In16	- {null}

OutsideAirTe N	
Numeric Writat	
Out	- {null} @ def
In10	- {null}
In16	- {null}

Default Format

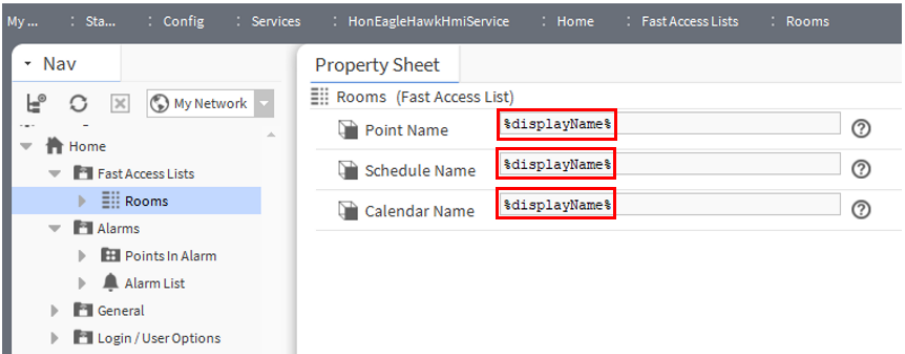
Having constellations like this the **FastAccessListView** can become confusing.



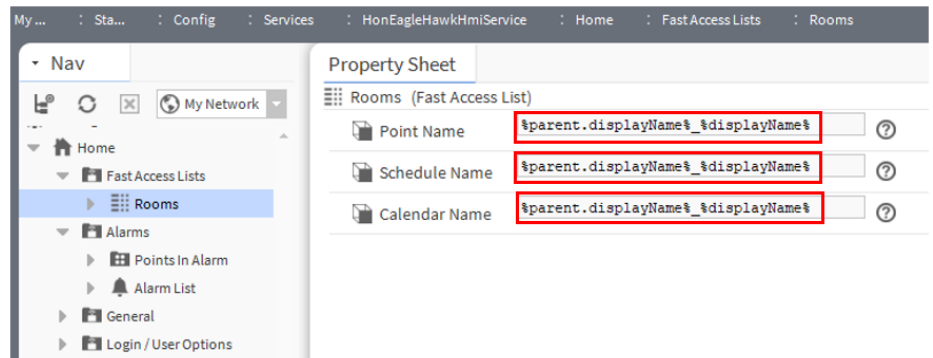
The in the **FastAccessListView** shown point names can be extended by further **navigation** tree details.

- Procedure
1.

In the Navigation tree go to **Config - Services - HonEagleHawkHmiServices -Home - FastAccessList – Rooms**. Select the AX Property Sheet view
Below you see the default formatting strings



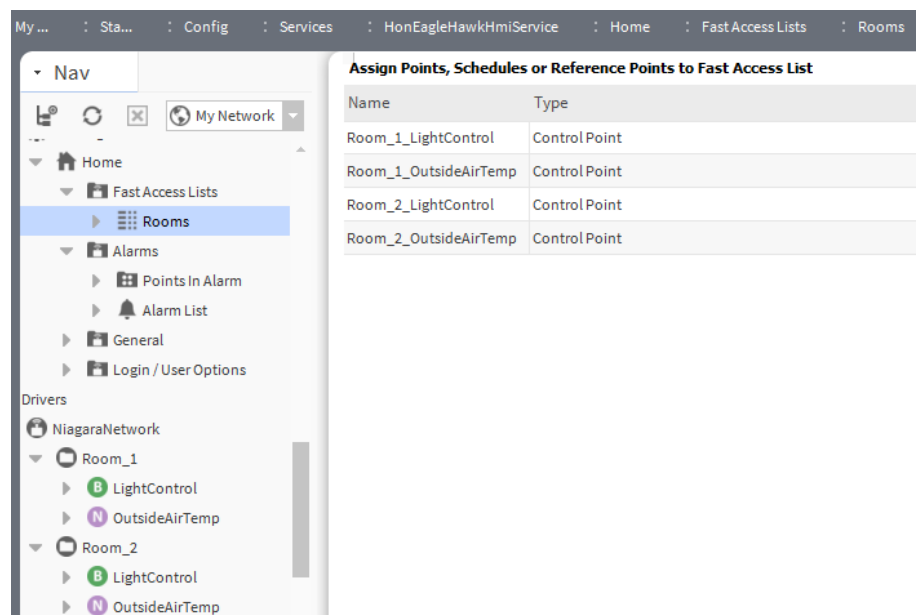
2. Change the formatting string of Point Name, Schedule Name and Calendar Name according to your needs.
For details about further formatting options see **Niagara Help** 'BFormat default scripts'.



In the example above the **%parent.displayName%_** is added to **%displayName%**.

The new formatting string **%parent.displayName%_%displayName%** specifies the name to be displayed with a leading next higher item in the navigation tree hierarchy concatenated by **'_'**.

Advanced Format

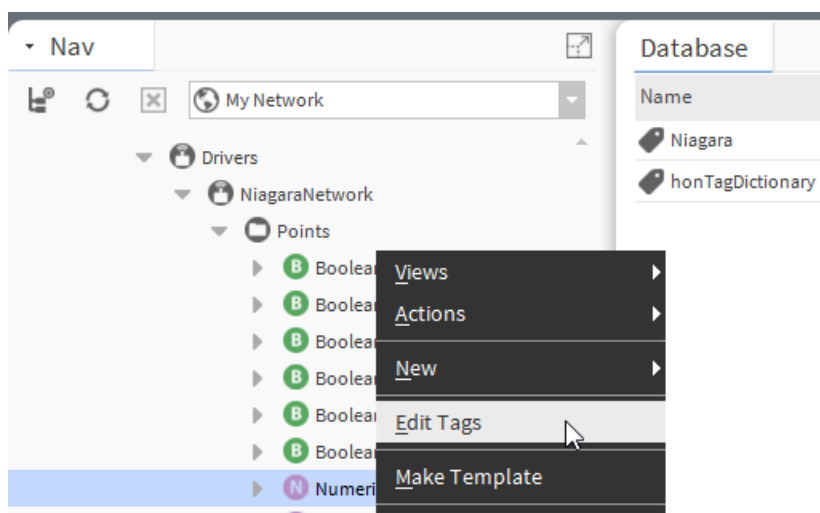


The Example lists point names, now combined with the belonging room name (next higher item in the navigation tree hierarchy). Point names are displayed with the room name concatenated by a **'_'**.

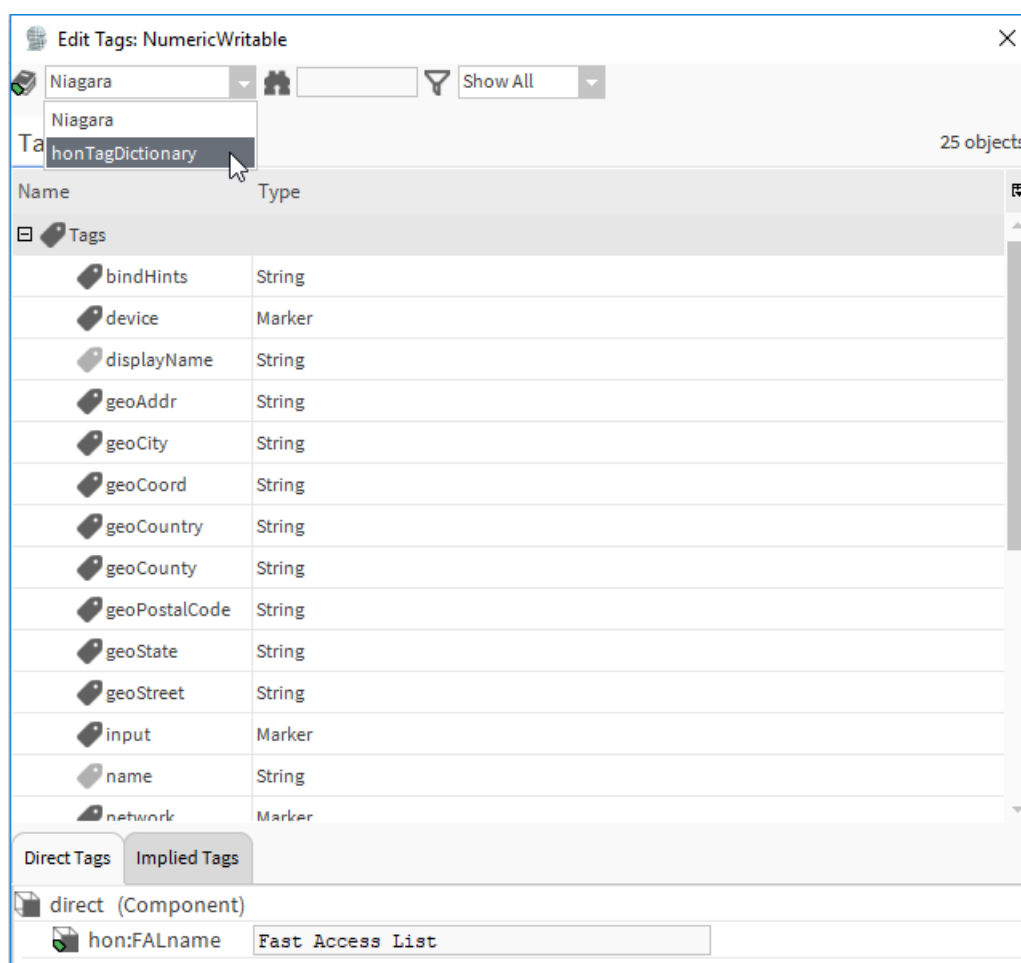
E.g. **Room_1_LightControl** instead of **LightControl**

Filling Fast Access List via Dictionary Tagging

- Procedure**
1. In the *Nav* tree expand the *Drivers* folder, and then the *Points* folder.
 2. Right-click the point you want to add to the fast access list, and then click **Edit Tags** in the context menu.



RESULT: The *Edit Tags:<point name>* dialog box is displayed.

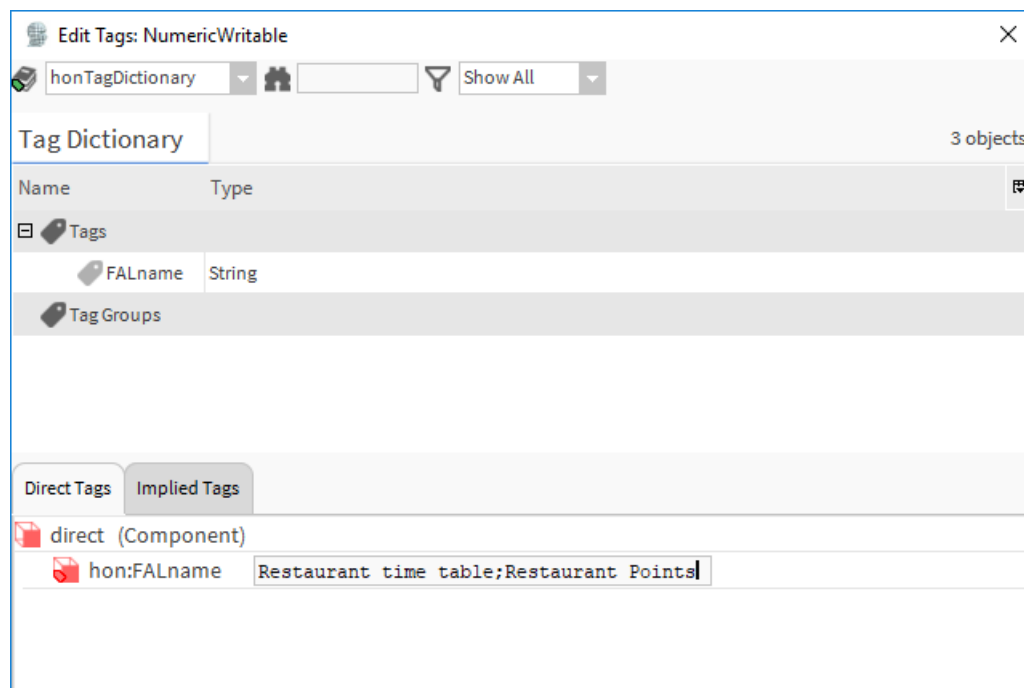


3. From the left upper drop-down listbox, select 'honTagDictionary'.

RESULT: By default, the 'FALname' tag is displayed under **Tag Dictionary**.

4. Double-click the entry.

RESULT: On the *Direct Tags* tab, the **hon:FALname** field is enabled.



5. Enter name of the fast access list(s) you want to have this point to be included. Separate multiple fast access lists by using a semicolon “;”.

Adjusting Poll Rate for Optimum Performance

This step is optional for HMI operation.

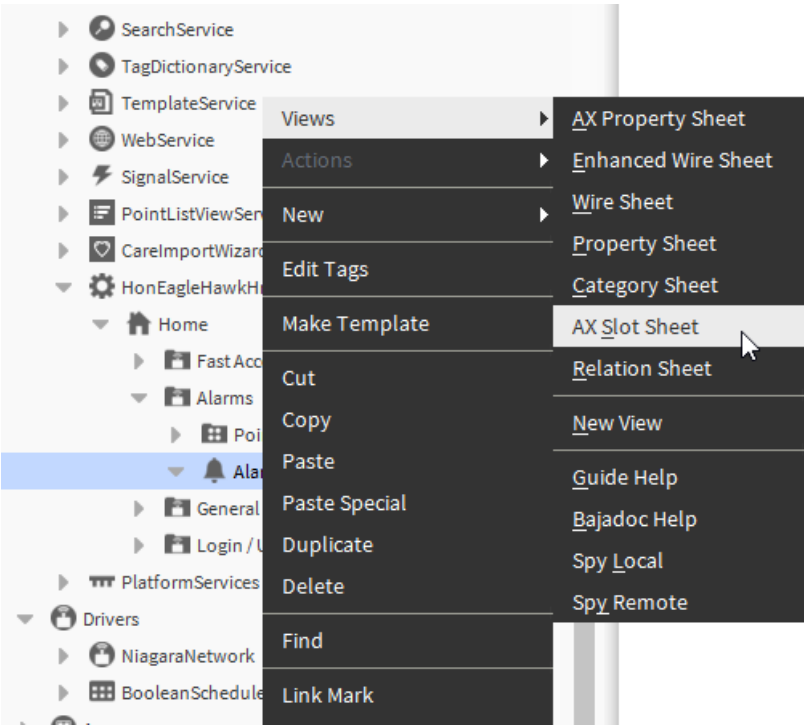
The update rate (poll rate) for alarms and points on the HMI has a default setting, which can be adjusted to balance information needs with the CPU performance.

IMPORTANT!

The faster the alarm and point poll rate, the more impact it will have on the performance of the station. The default setting for alarm and point poll rate is 15 sec (15.000 msec). The adjustable range is from 5 to 120 sec (5.000...120.000 msec). By default, the poll rate setting is hidden and can be made visible in the Slot Sheet. When adjusting for faster polling, watch the CPU load of the station!

Procedure

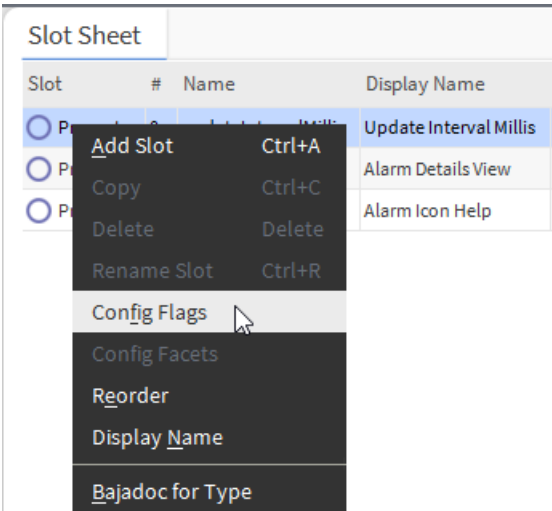
1. In the Nav tree in the *Services* folder, expand the **HonEagleHawkHmiService** folder to display the menus.
2. Right-click the alarm menu item in the **Alarms** menu you want to change the poll rate for, and then select **AX Slot Sheet** in the context menu.



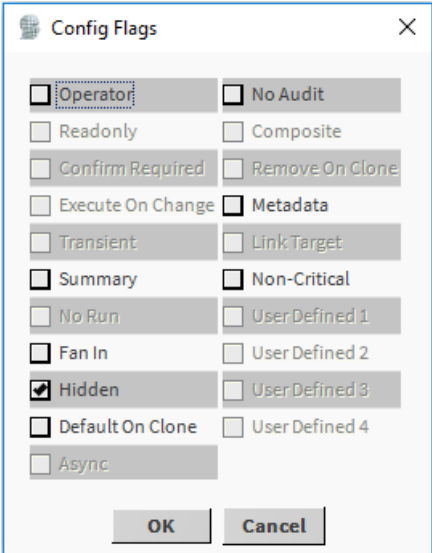
RESULT: The *Slot Sheet* pane is displayed. The `updateIntervalMillis` property is indicated as hidden = h in the **Flags** column.

Slot Sheet							
Slot	#	Name	Display Name	Definition	Flags	Type	Facets
<input type="radio"/> Property	0	updateIntervalMillis	Update Interval Millis	Frozen	h	baja:Long	min=5000,max=120000
<input type="radio"/> Property	1	alarmDetailsView	Alarm Details View	Frozen	th	honEagleHawkHMI:AlarmDetailsView	
<input type="radio"/> Property	2	alarmIconHelp	Alarm Icon Help	Frozen	th	honEagleHawkHMI:AlarmIconHelp	

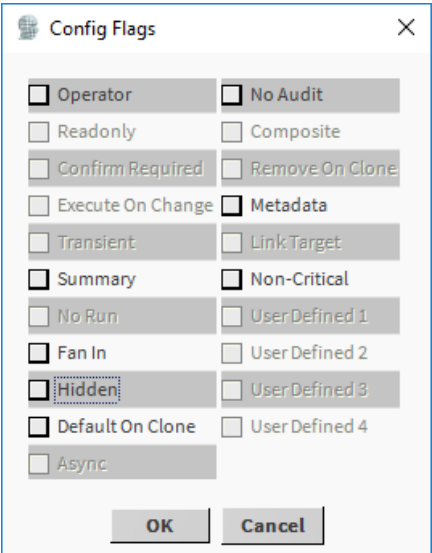
3. Right-click the `updateIntervalMillis` property, and then select **Config Flags** in the context menu.



RESULT: The *Config Flags* dialog box is displayed.



4. Uncheck the **Hidden** check box.



5. Click **OK**.

Slot Sheet					
Slot	#	Name	Display Name	Definition	Flags
<input type="radio"/> Property	0	updateIntervalMillis	Update Interval Millis	Frozen	

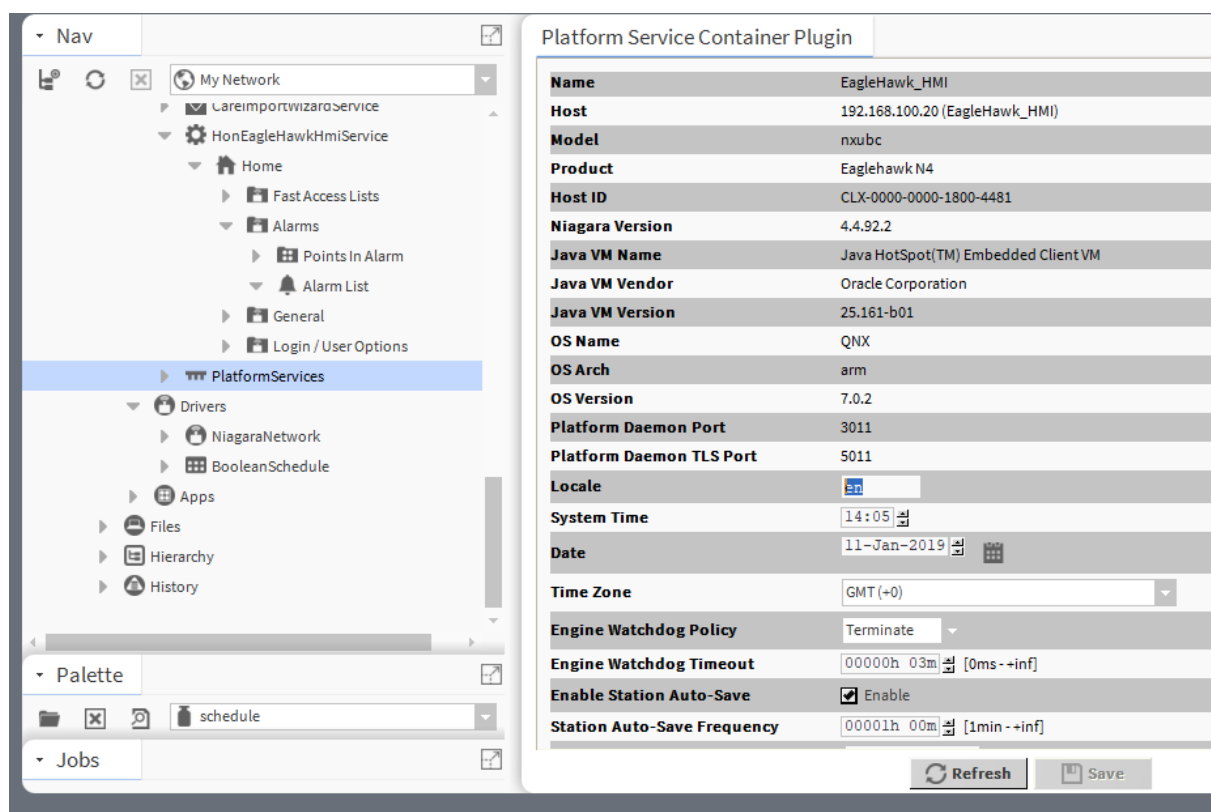
RESULT: The *Slot Sheet* pane redispalas. In the **updateIntervalMillis** property, the hidden flag is removed in the **Flags** column.

Setting Time Format on Home Screen

This step is optional for HMI operation.

- Procedure
1. Make sure that the lexicon of the desired local language is installed. If not use the Lexicon Installer to install it.

2. In the *Nav* tree in the *Services* folder, double-click **PlatformServices**.



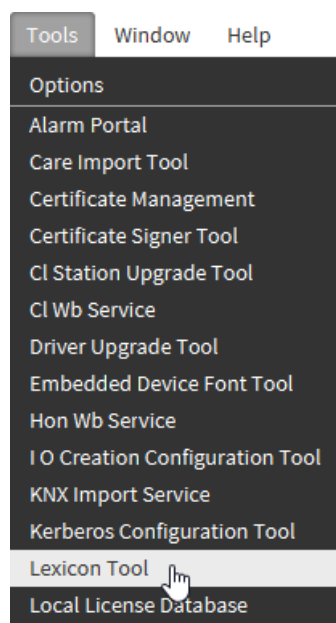
3. On the *Platform Service Container Plugin* pane, set the language in the **locale** field.

Local language HMI Menus – Translation

This step is optional for HMI operation.

The HMI menus can be localized by using the standard Lexicon Tool of COACH NX.

- Procedure**
1. From the **Tools** menu, select **Lexicon Tool**.



2. In the *Lexicon Report* view, select the lexicon, e.g. 'es' and then double-click on **honEagleHawkHMI** module.

Lexicon

al

ar

be

bg

ca

cs

da

de

el

es

et

fi

fr

hi

hr

hu

in

is

it

Hide: ☐ Ords ☐ Accelerators ☐ Colors ☐ Fonts ☐ Types

Module	Module Last Modified	Default Last Modified	Lexicon Last Modified	Missing	Complete
platCrypto	14-May-18 3:09 PM CEST	null	null	374	0
silk	14-May-18 3:09 PM CEST	null	null	2	0
box	14-May-18 3:09 PM CEST	null	null	79	0
net	14-May-18 3:09 PM CEST	null	null	51	0
bacnetOws	14-May-18 3:09 PM CEST	null	null	54	0
template	14-May-18 3:09 PM CEST	null	null	367	0
platMstp	14-May-18 3:09 PM CEST	null	null	10	0
chart	14-May-18 3:09 PM CEST	null	null	118	0
jetty	14-May-18 3:09 PM CEST	null	null	10	0
CareImportWizard	12-Apr-18 8:40 AM CEST	null	null	1498	0
bajaux	14-May-18 3:09 PM CEST	null	null	21	0
query	14-May-18 3:09 PM CEST	null	null	66	0
honEagleHawkHMI	17-Oct-18 6:44 PM CEST	null	null	320	0
search	14-May-18 3:09 PM CEST	null	null	72	0

3. Do the translations.

Lexicon: Module: Hide: ☐ Ords ☐ Accelerators ☐ Colors ☐ Fonts ☐ Types Show Only: ☐ Missing ☐ Completed

Search On: Search Text:

Key	Default
AlarmDetailView.displayName	
AlarmDetailView.icon	
AlarmIconHelp.displayName	
AlarmIconHelp.icon	
AlarmList.displayName	
AlarmList.icon	
AutoLogoutDelayView.displayName	
AutoLogoutDelayView.icon	
AutoSaveSettingsView.displayName	
AutoSaveSettingsView.icon	
BFastAccessList.NoChildrenBelowFAL	Not allowed to add child component to Fast Access List!\nPlease drop Points, Schedules or Reference Points on t
BHome.OnlyMenuAsChildAllowed	Only children of Type Menu or LoginUserOptions from honEagleHawkHMI palette are allowed!
BMenu.NotAllowedAsChild	Only children of Type HmiView from honEagleHawkHMI palette are allowed!
Calendar.displayName	
Calendar.icon	
CalendarControl.displayName	
CalendarControl.icon	
CalendarReferenceEventView.displayName	
CalendarReferenceEventView.icon	
Calendars.displayName	
Calendars.icon	
ChangeLanguageView.displayName	
ChangeLanguageView.icon	
ChangePINView.displayName	
ChangePINView.icon	
ControllerInformation.displayName	
ControllerInformation.icon	
ControllerSettings.displayName	
ControllerSettings.icon	

Key: Value:

Default: ☐ Add New Key

4. Save the lexicon file.
5. Commission the lexicon file into the controller.
6. Generate a new user which uses the new language file.
7. Login as this user to the HMI and check the translation.

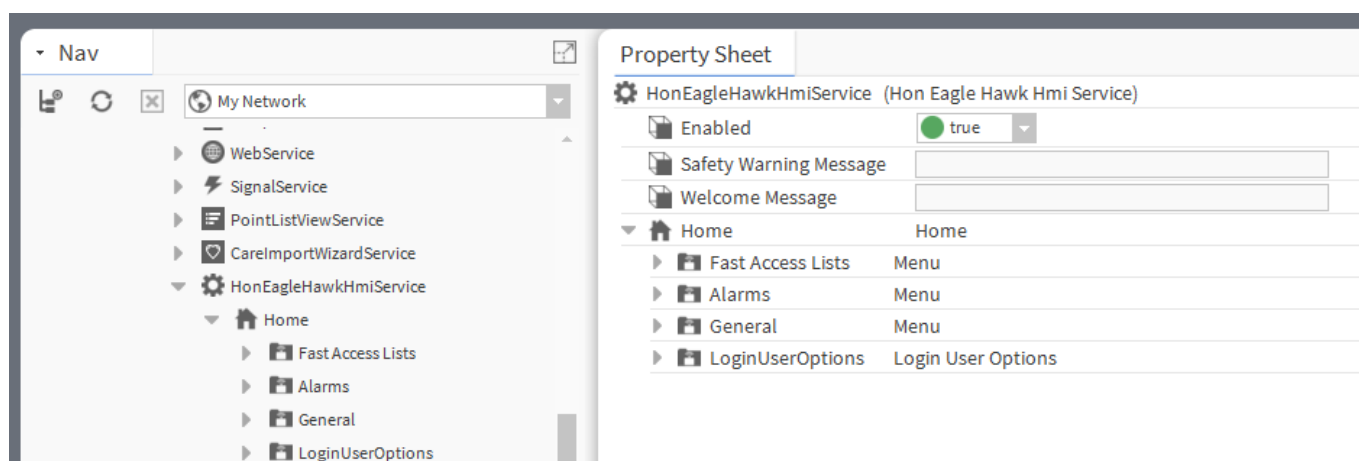
DEFINING OPERATING SEQUENCES

Default Operating Sequence

Niagara Workbench

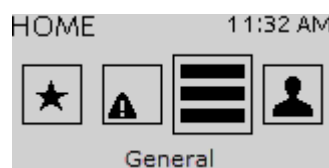
The default operating sequence provided by the honEagleHawkHMI driver includes the following main menus in the *HonEagleHawkHMIService* folder:

- Home (screen) with four sub-menus:
- Fast access lists
- Alarms
- General
- LoginUserOptions



Controller HMI Result

This default operating sequence is represented on the *Home* screen of the HMI as follows:



NOTE: When highlighting a menu via turning the Rotate&Push button on the HMI, the icon appears larger, and the menu name is displayed at the bottom of the screen. When then pressing the Rotate&Push button displays the subjacent menu (for details, please refer to the HMI User Guide (EN2Z-1053GE51))

Niagara Workbench

Each menu has a specific HMI image assigned and is subdivided in further individual submenus dependent on the menu function.

Example:

The *General* menu has the 'Menu' icon assigned and includes the following sub menus:

- Points in Manual
- Station Point List
- Controller Settings
- Controller Information

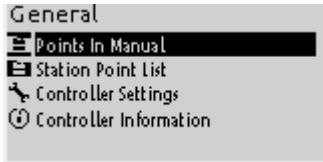
General	Menu
Hmi Image	Menu
Points In Manual	Data Point List
Station Point List	Data Point List
Controller Settings	Controller Settings
Controller Information	Controller Information

Controller HMI Result Example (from above):

On the HMI, the submenus of the *General* main menu are displayed as follows:



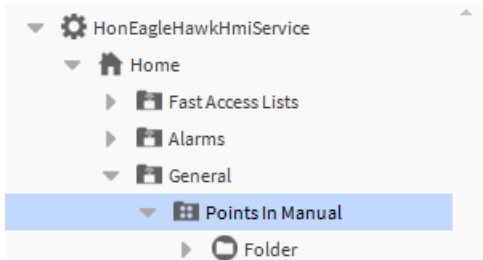
Menu ‘General’ displayed by HMI image ‘Menu’



Submenus of ‘General’ menu

Each default operating sequence can be changed by adding appropriate operating items from the palette to the operating component (menu, submenu) of the *HonEagleHawkHmiService* or by deleting components. In this way, a consecutive hierarchical structure containing menus, submenus, and folders and can be created. Folders can be added to submenus via the standard Niagara command ‘New Folder’.

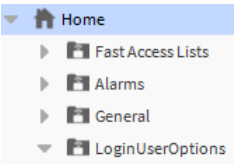

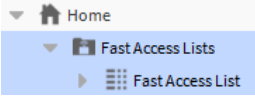
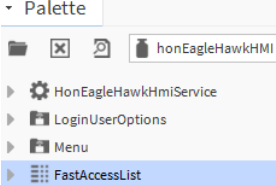

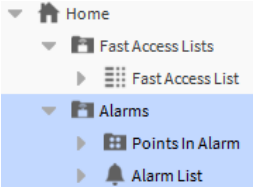
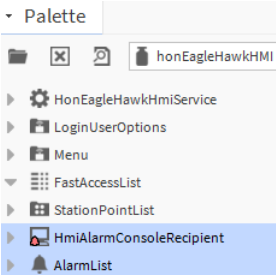

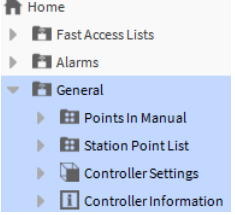
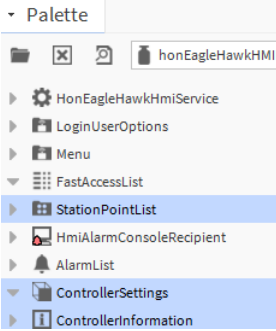

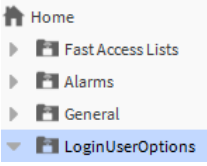
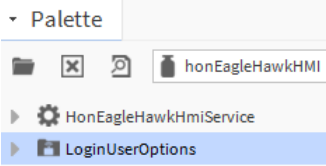

NOTE: The folder names and the structure defined by the folders will not be reflected on the controller HMI.

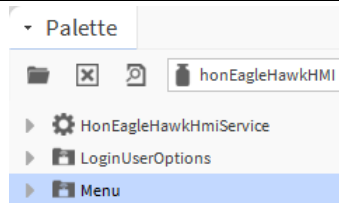


Folder added to ‘Points in Manual’ submenu

Default Operating Sequence Components Descriptions

The following table gives an overview of all operating components available by default in the *honEagleHawkHMI* palette and the *HonEagleHawkHMIService* and how they are represented on the controller HMI:

Service	Palette	Controller HMI	Description
<i>to ← drag&drop ← from</i>			
	n. a.		Home (screen) Provides access to subjacent menus such as fast access lists, alarms, etc. This component cannot be changed or deleted.
			Fast Access Lists Displays all fast access lists that allow quick access to pre-definable groups of datapoints, schedules and reference points.
			Alarms Displays points in alarm and alarm list.
			General Allows access to various sub menus: e.g. datapoints list, points in manual, controller settings and controller information.
			Login / User Options Context sensitive display for user login / logout Depending on the log status of the user, the first icon (user logged out) or the second icon (user logged in) is displayed. When logged in, the following functions are available: Logout, change PIN, auto logout delay.

Service	Palette	Controller HMI	Description
n. a.		as configured	Menu Inserts a new menu which can be configured by assigning an HMI image and adding operating components of any type (see above).

Basic Procedure

New operating sequences can be created by changing the default operating sequence. Changes can be done by applying any of the following procedures:

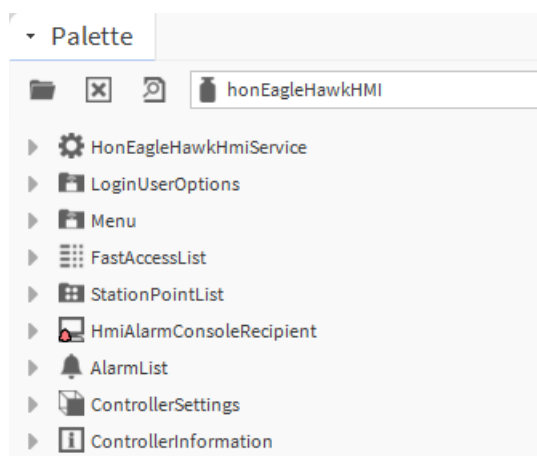
***honEagleHawkHMI* palette and *honEagleHawkHMI* Service folder**

- Adding operating items of the same type from the *honEagleHawkHMI* palette to the menus and/or submenus in the *honEagleHawkHMI* Service folder

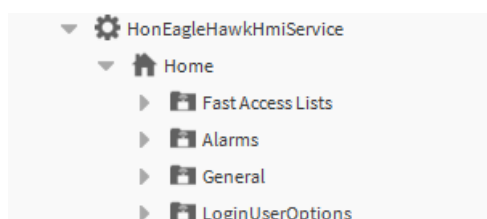
***honEagleHawkHMI* Service folder**

- Adding folders (submenu level only)
- Deleting menus, submenus, and entries
- Renaming menus, submenus, and folders

Procedure 1. Open the ***honEagleHawkHMI*** palette.



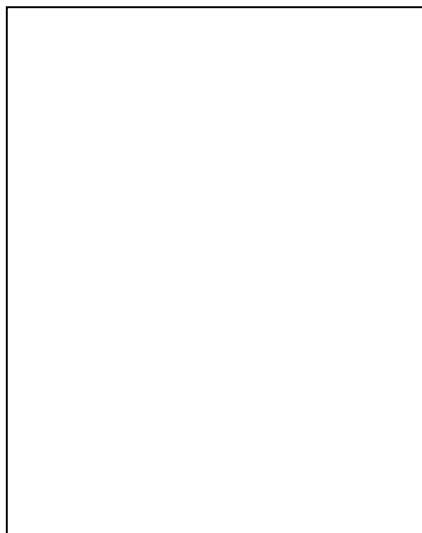
2. Open the **HonEagleHawkHmiService** in the *Services* folder.



3. In the ***honEagleHawkHMI*** palette, select the operating item and drag&drop it to the menu / submenu of the same type in the **HonEagleHawkHmiService** folder.

Examples:

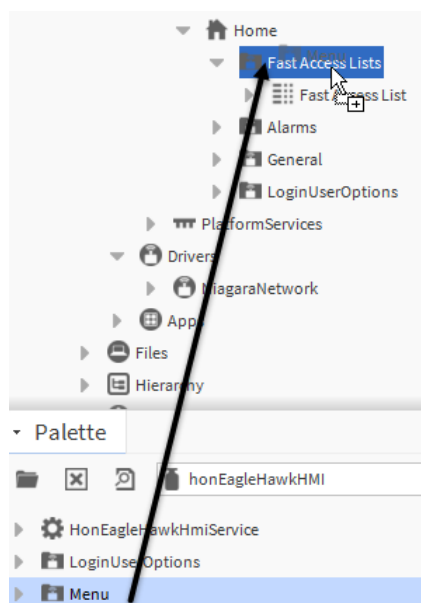
Adding a fast access list operating item



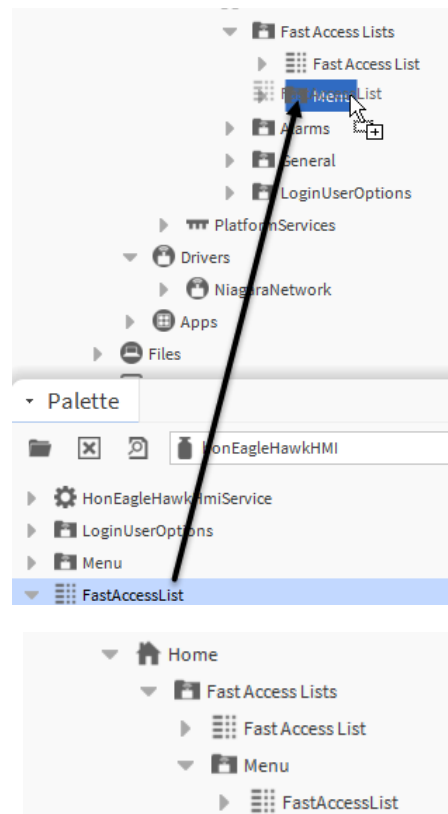
As a result, a second fast access list operating item is added to the default menu.



Adding a menu and a fast access list operating item



As a result, a menu is added to the default **Fast Access List** menu which then includes the second fast access list.



Fast Access Lists

Fast access lists can include points, reference points and schedules. The points and schedules will be added in the same way as operating items via drag&drop (see "Basic Procedure" section, p. 37) from the corresponding Points and Schedules folders to the fast access list menu.

Enhancing Default Operating Sequence

The default operating sequence containing 4 standard menus can be enhanced by adding further menus on the main menu level. This results in a second row on the controller HMI containing the new menu(s). The menus can be configured by assigning them any of the default HMI images and adding a hierarchical structure using the same procedures as for the default operating sequence.

Schedules and Calendars

For the display of schedules and calendars on the HMI no datapoint assignment is necessary on the wire sheet. Schedules management is done according to the standard Niagara procedures.

Manufactured for and on behalf of the Environmental and Energy Solutions Division of Honeywell Technologies Sàrl, Rolle, Z.A. La Pièce 16, Switzerland by its Authorized Representative:

Centraline
Honeywell GmbH
Böblinger Strasse 17
71101 Schönaich, Germany
Phone +49 (0) 7031 637 845
Fax +49 (0) 7031 637 740
info@centraline.com
www.centraline.com

Subject to change without notice
EN2Z-1052GE51 R0119

