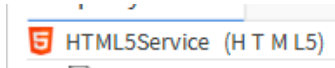


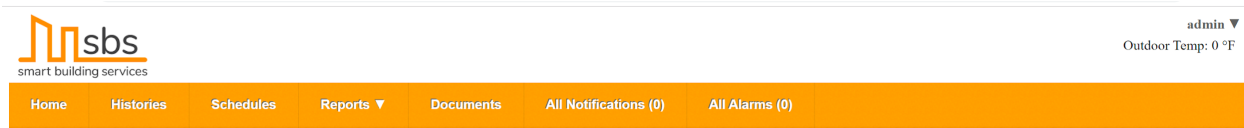
# Using the HTML5Service

Updated on 10/6/2020 by kvg

## HTML5 Service

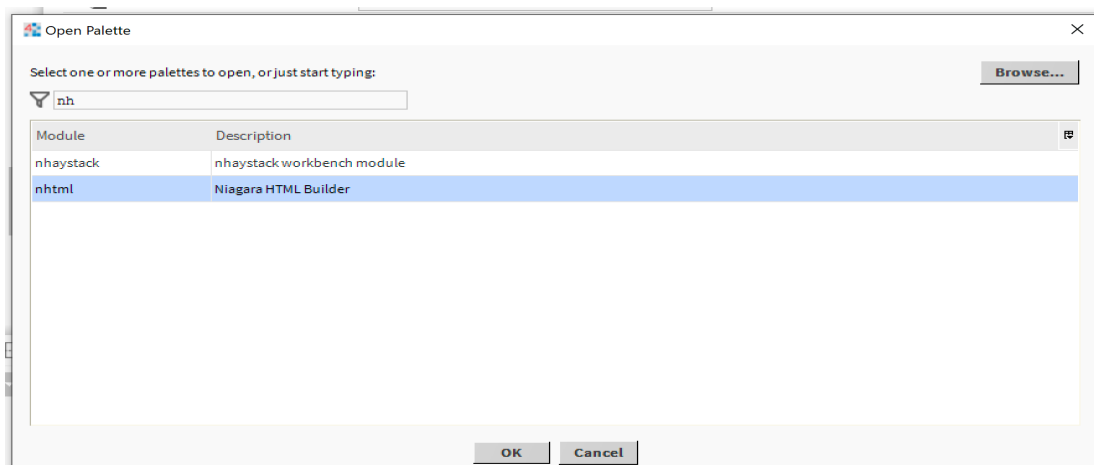


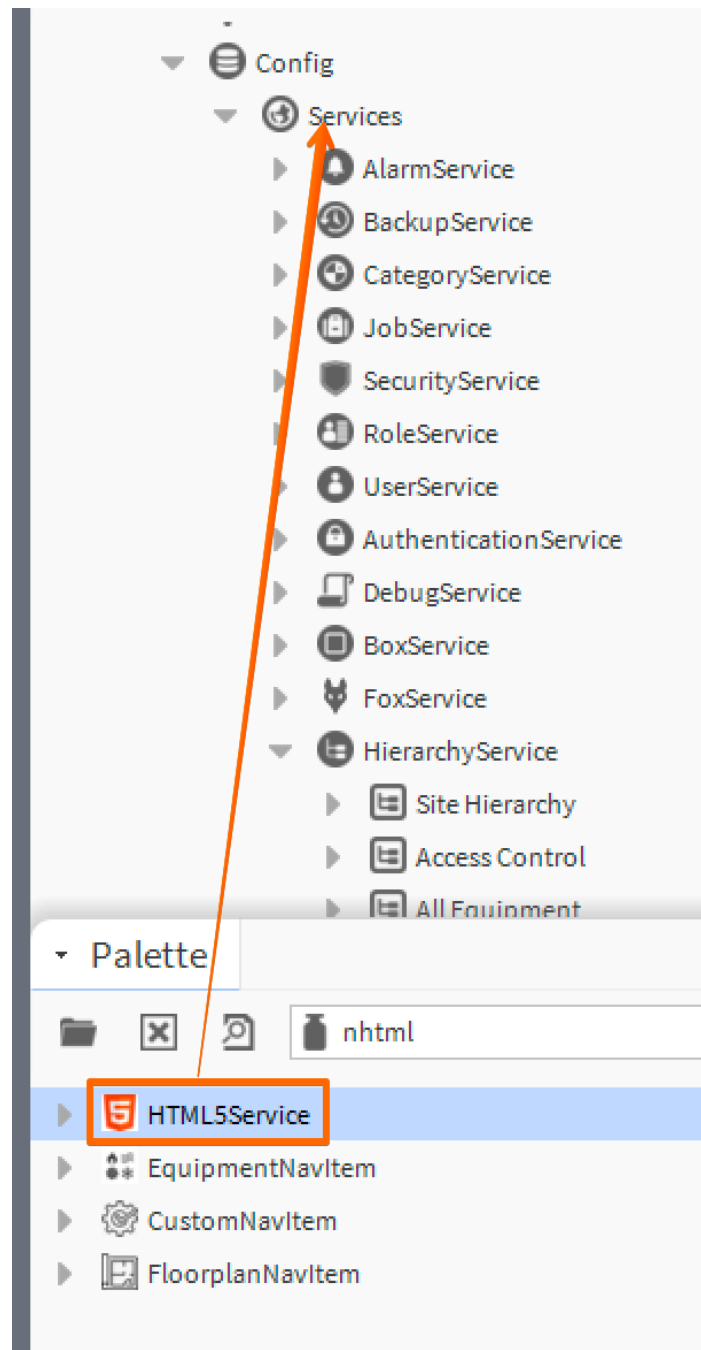
- The HTML5 Service can be added to a station to help you create and modify the standard navigation bar/header/HTML wrapper



## Getting Started

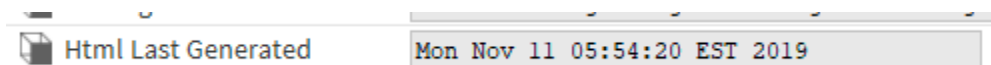
- Copy the latest version of the nhtml module (available in GoogleDrive/Shared drives/SBS Technical Team/Niagara/Niagara Modules/!SBS Modules/nhtml) to your workbench (typically C:\Niagara\NiagaraVersion\modules) and also into the modules directory of whichever station (JACE or Server) you are using them. Workbench will have to be restarted for the new modules to show up.
- You also may have to stop the niagara service/daemon before it will let you copy the files in.
- Once installed, open the nhtml Palette. Once open drag the HTML5Service to your station under services.





## Html Last Generated

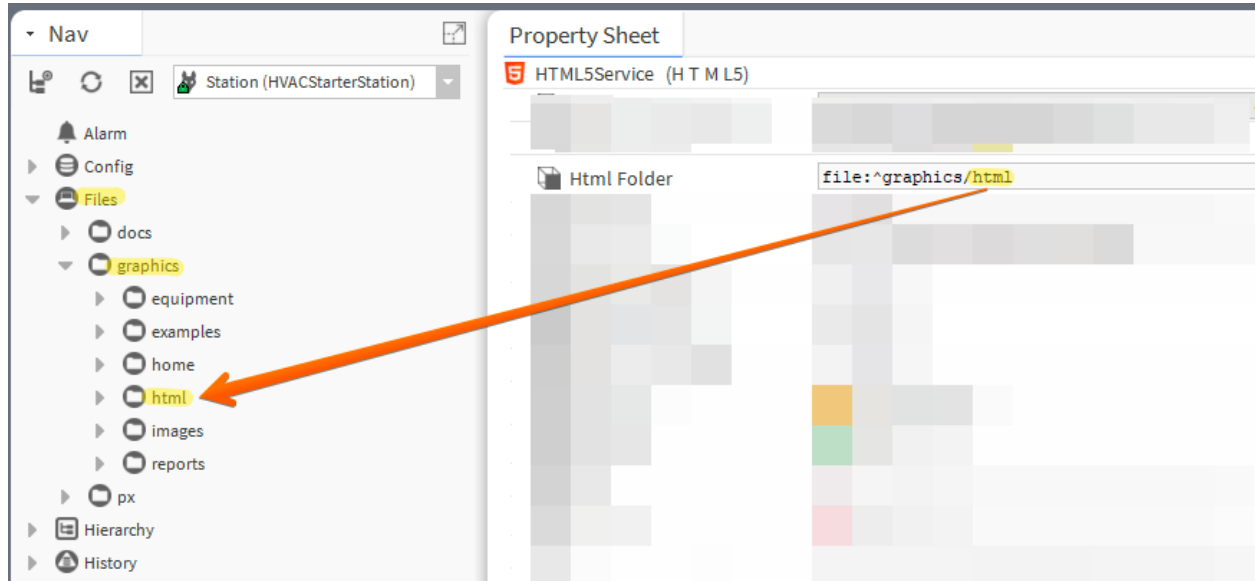
- This slot will update each time HTML is generated.



## HtmlFolder (Html Folder Path)

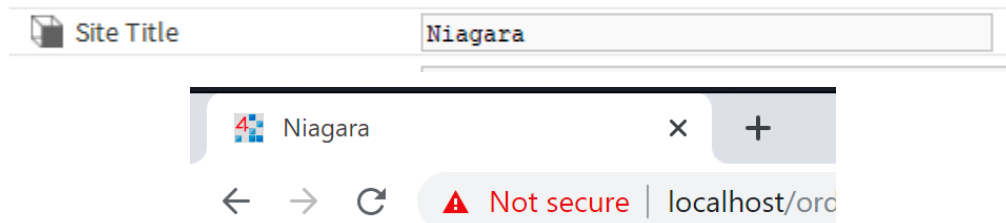
- This is the folder where all files will be created. You can leverage the HTML5Service to create multiple user interfaces by adding additional instances of the service with different names and folder paths.

**HTML Folder paths must be different if using more than one instance of the services. In this case I would use a folder structure that matches what they are used for. Example file:^graphics/hvac for HVAC user interface and file:^graphics/access for the access control user interface.**



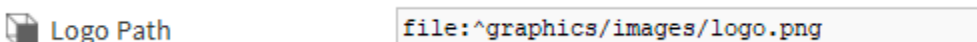
## Site Title

- Put the site name here. This is what shows up as the "title" in a web browser.

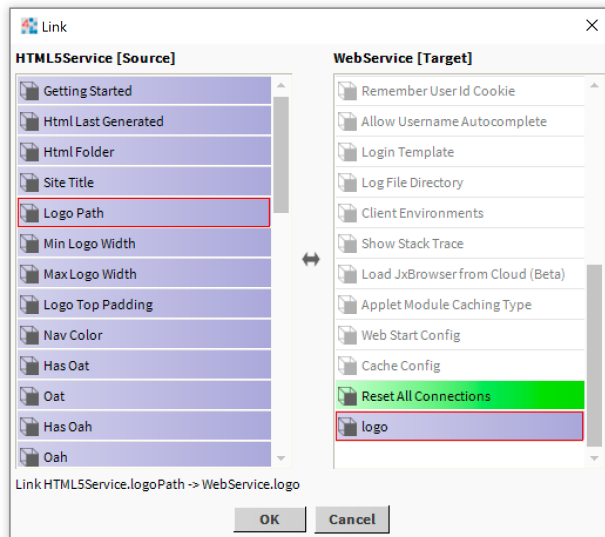
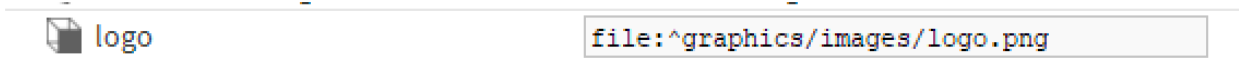


## Customer Logo

### Logo Path

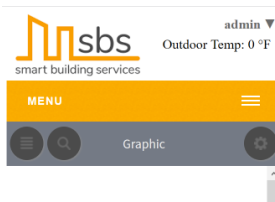


- Paste logo path here. Use .png images and scale them to an appropriate size before loading into Niagara.
- This logo can also be shown on the login page by ensuring the webservice has a slot of type baja:string called logo. You can either manually paste in the same path or link mark the HTML5Service logo path and link to the WebService logo slot.



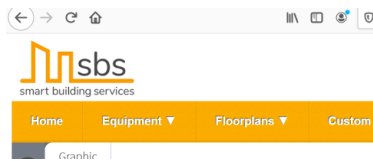
## Min Logo Width

- This is the minimum (smallest width) your logo will get when scaling on mobile.



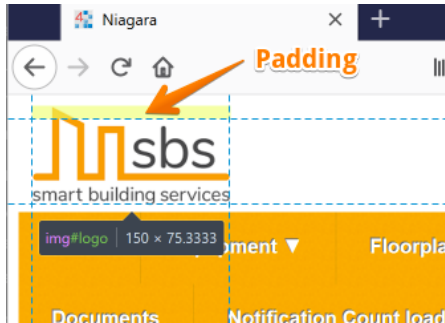
## Max Logo Width

- This is the maximum (largest width) your logo will get - how it will be displayed in most web browsers.



## Logo Top Padding

- The sets the vertical alignment of the logo



## Navigation Bar Color

### Nav Color

- Select your desired nav bar color here using the color picker or and HTML/RGB color code. Use a color that matches the customer's logo/styling.

**HTML colors only - do not choose an image or gradient.**

## Outside Air Temp

### Has Oat

- Set to true if you have and would like to display outside air temperature in the header.

### Oat



- Link from your OAT to this slot. I recommend using a global OAT.

Has Oat

☒ true

Oat

0

4 Link

×

GlobalOAT [Source]

Facets

Out

In1

In2

In3

In4

In5

In6

In7

In8

In9

In10

In11

HTML5Service [Target]

Getting Started

Html Last Generated

Html Folder

Site Title

Logo Path

Min Logo Width

Max Logo Width

Logo Top Padding

Nav Color

Has Oat

Oat

Has Oah

Oah

↔

Link GlobalOAT.out -> HTML5Service.oat

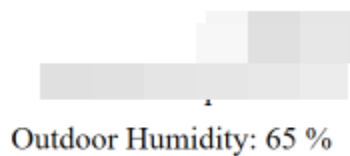
OK

Cancel

## Outside Air Humidity

### Has Oah

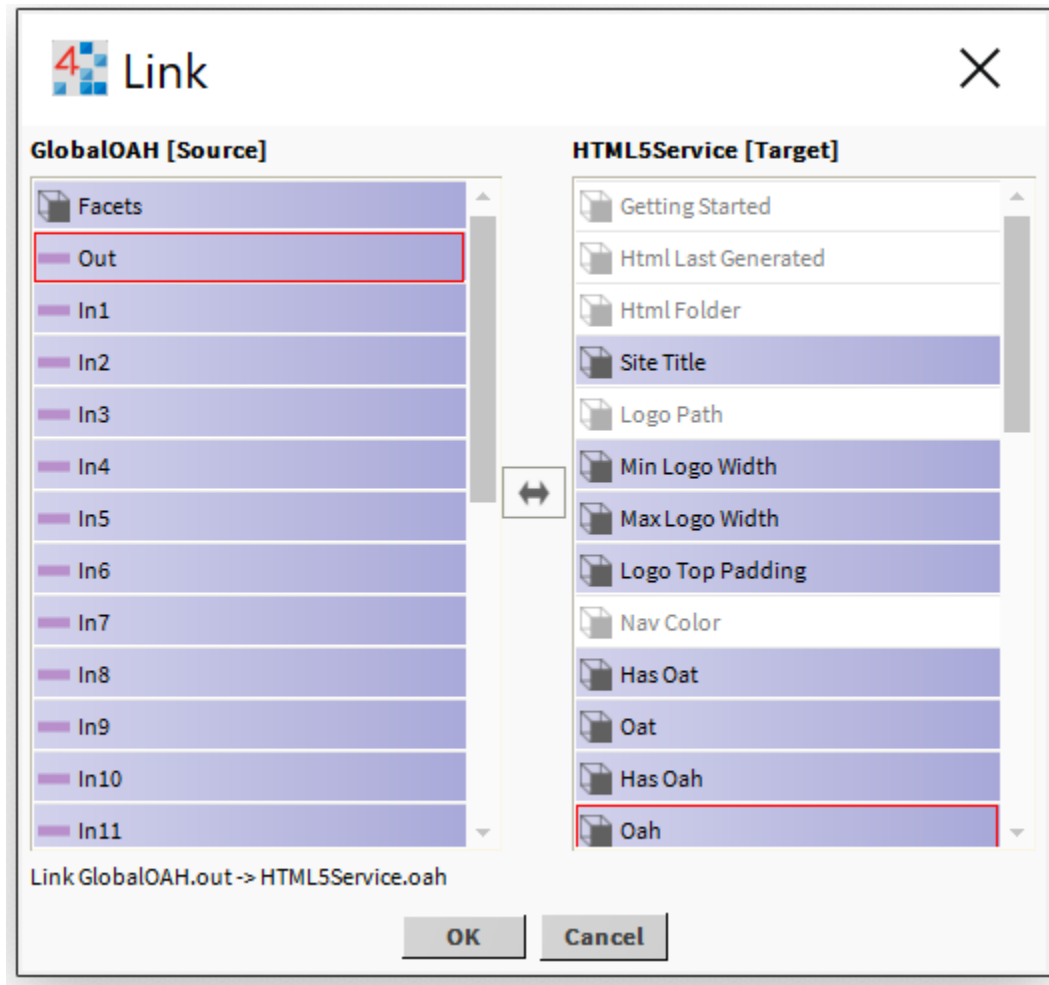
- Set to true if you have and would like to display outside air humidity in the header.



### Oah

- Link from your OAH to this slot. I recommend using a global OAH.

Has Oah	<input checked="" type="radio"/> false
Oah	<input type="text" value="0"/>



## Home Page Path

- This is where the home page is defined. Do NOT link directly to a px file, must be a folder or device or anything else within the config of the station not under files.

Home Page Path	<input type="text" value="station: slot:/Graphics/Home"/>		
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## Has Ent Sec

- Set to true if site has enterprise security. This determines if the Access Control Nav item is shown, and determines which schedule link is used. For enterprise security the

schedules under the EnterpriseSecurityService will be used, for HVAC the schedule folder under drivers will be used.

 Has Ent Sec ☒ false ▼

ing services

**Access Control ▼**

- People
- Badges
- Access Rights
- Access History

## Equipment

**Equipment ▼** Flo

Type Display Name Here

### Has Equipment

- Set to true if you have and would like to display an equipment list in the nav bar. After setting to true go to actions - . Generate HTML to add the Equipment List to the service.
- I would only use these to show major primary equipment. AHUs, CHW systems, HW Systems, Etc.
- Adding VAV boxes is too tedious and unnecessary with the hierarchy navigation tree on the left side.
- You can also change the display name and use for something else if necessary. Such as Buildings or Sites for a customer or campus with multiple buildings.

### Equipment List Name

- This is the display name your equipment list will show in the nav bar.



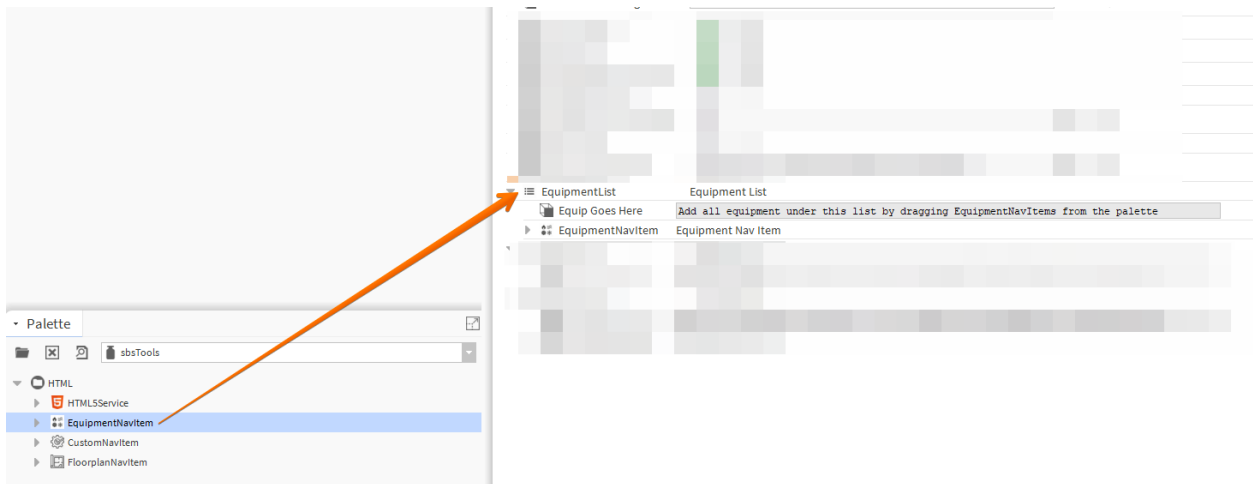
Has Equipment	<input type="radio"/> false
Equip List Name	Equipment

## EquipmentList

- Will be automatically added to your service when Has Equipment is set to true and HTML is generated. Will also be automatically removed when Has Equipment is set to false and HTML is generated.

## EquipmentNavItem

- For each piece of equipment you would like to display in the nav bar dropdown you need to drag an EquipmentNavItem from the palette to the EquipmentList component.



## Equip Name

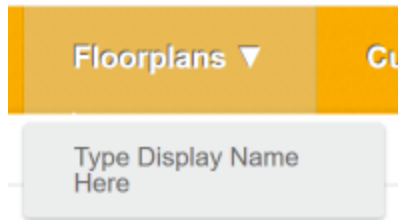
- This is the display name your equipment will show in the nav bar.

## Equip Path

- Link to your equipment here.

EquipmentList	Equipment List
Equip Goes Here	Add all equipment under this list by dragging EquipmentNavItems from the palette
EquipmentNavItem	Equipment Nav Item
Equip Name	Type Display Name Here
Equip Path	null

## Floorplans

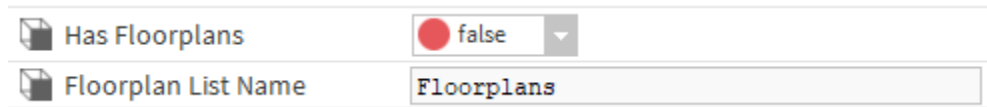


## Has Floorplans

- Set to true if you have and would like to display floorplans in the nav bar. After setting to true go to actions -. Generate HTML to add the Floorplan List to the service.

## Floorplan List Name

- This is the display name your floorplan list will show in the nav bar.

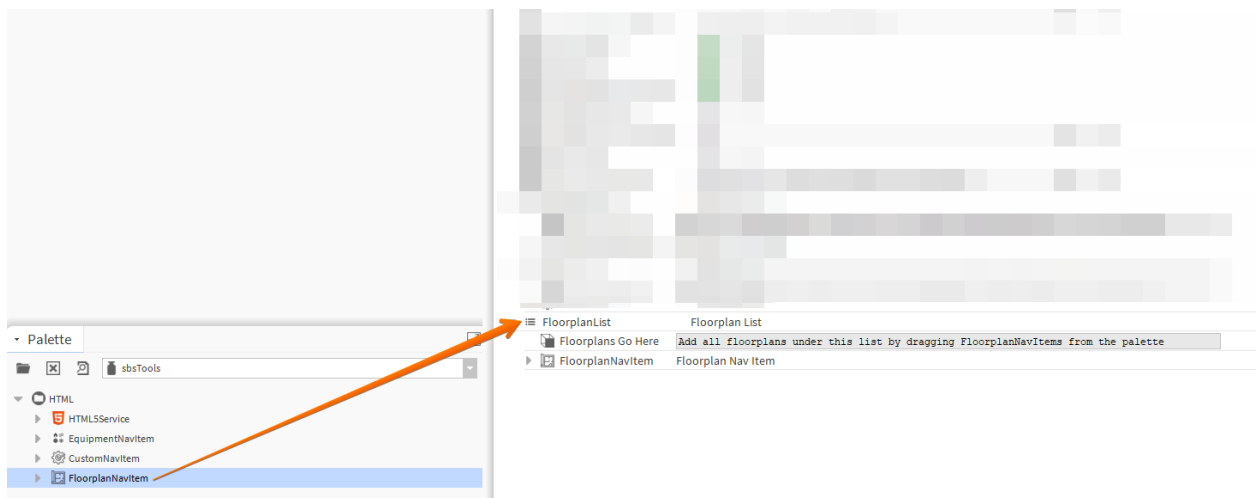


## FloorplanList

- Will be automatically added to your service when Has Floorplans is set to true and HTML is generated. Will also be automatically removed when Has Floorplans is set to false and HTML is generated.

## FloorplanNavItem

- For each floorplan you would like to display in the nav bar dropdown you need to drag a FloorplansNavItem from the palette to the FloorplanList component.



## Floorplan Name

- This is the display name your floorplan will show in the nav bar.

## Floorplan Path

- Link to your floorplan here.

▼ FloorplanList	Floorplan List
📁 Floorplans Go Here	Add all floorplans under this list by dragging FloorplanNavItems from the palette
▼ 📁 FloorplanNavItem	Floorplan Nav Item
📄 Floorplan Name	Type Display Name Here
📄 Floorplan Path	null

## Custom Nav Items

Custom ▼	Extern
Type Display Name Here	

## Has Custom Nav Item

- Set to true if you have and would like to display a custom list in the nav bar. After setting to true go to actions -. Generate HTML to add the Custom List to the service.

## Custom List Name

- This is the display name your custom list will show in the nav bar

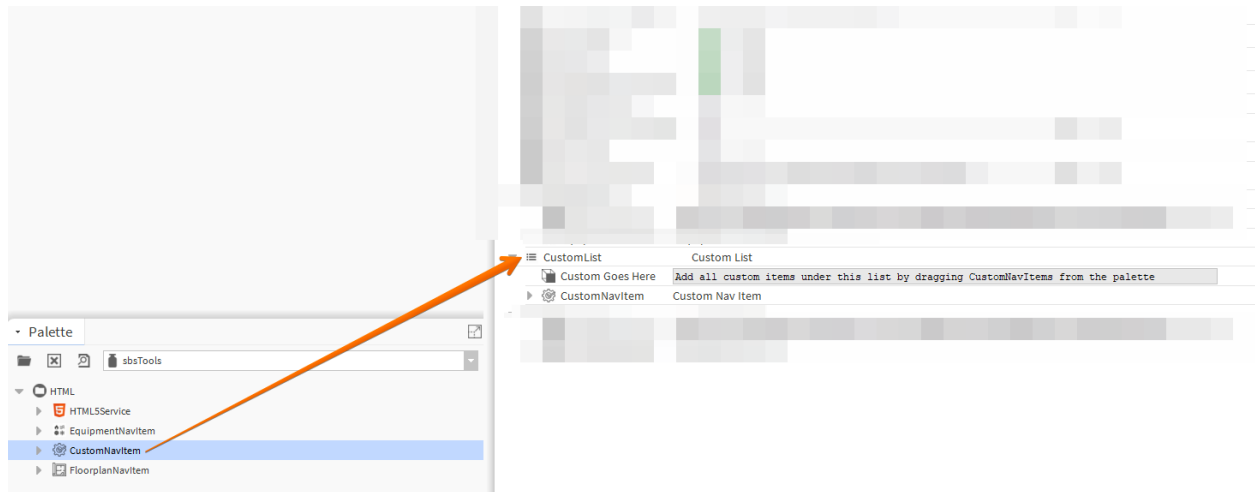
📄 Has Custom Nav Item	<input checked="" type="radio"/> false
📄 Custom List Name	Custom

## CustomList

- Will be automatically added to your service when Has Custom Nav Item is set to true and HTML is generated. Will also be automatically removed when Has Custom Nav Item is set to false and HTML is generated.

## CustomNavItem

- For each custom item you would like to display in the nav bar dropdown you need to drag an CustomNavItem from the palette to the CustomList component.



### Custom Item Name

- This is the display name your custom item will show in the nav bar.

### Custom Path

- Link to your custom item here.

CustomList	Custom List
Custom Goes Here	Add all custom items under this list by dragging CustomNavItems from the palette
CustomNavItem	Custom Nav Item
Custom Item Name	Type Display Name Here
Custom Item Path	null

### External Link



### Has External Link




- Set to true if you have and would like to add an external link in the nav bar.

### External Link Name

- This is the display name your external link will show in the nav bar.

### External Link Path

- Link to your external item here. External links will always open in a new tab.

 Has External Link	<input checked="" type="radio"/> false
 External Link Name	<input type="text" value="External Link"/>
 External Link Path	<input type="text"/>

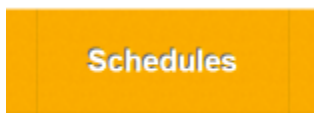
## Show Histories

- Set to true if you would like a histories link in the nav bar. Links go the standard history chart builder.




## Show Schedules

- Set to true if you would like a schedules link in the nav bar. Links to either the folder below or the standard Enterprise Security Schedule path


## HVAC Schedule Path



- This path is only used when "Has Ent Sec" is set to false. Do NOT link directly to a px file, must be a folder or device or anything else within the config of the station not under files.

 HVAC Schedule Page Path	<input type="text" value="station: slot:/Drivers/Schedules"/>	 ▼ 
---	---	---

## Show Reports

 Show Reports	<input checked="" type="radio"/> true
--	---------------------------------------

- Set to true if you would like a Standard Reports link in the nav bar. Links to standard reports - get them from a starter station or the starter components folder on the drive.

## Show Docs

 Show Docs	<input checked="" type="radio"/> true
---	---------------------------------------

- Set to true if you would like a Documents link in the nav bar. Links to the standard docs location -> file:^docs
- A good place to store as built or training guides for the customer to access later - pdf format is best

## Notifications

All Notifications (0)

### Has Notification Console

- Set to true if you have and would like to display a notification console.

### Notification Console Name



- Set the name to be displayed in browser nav bar here. Example: Notifications

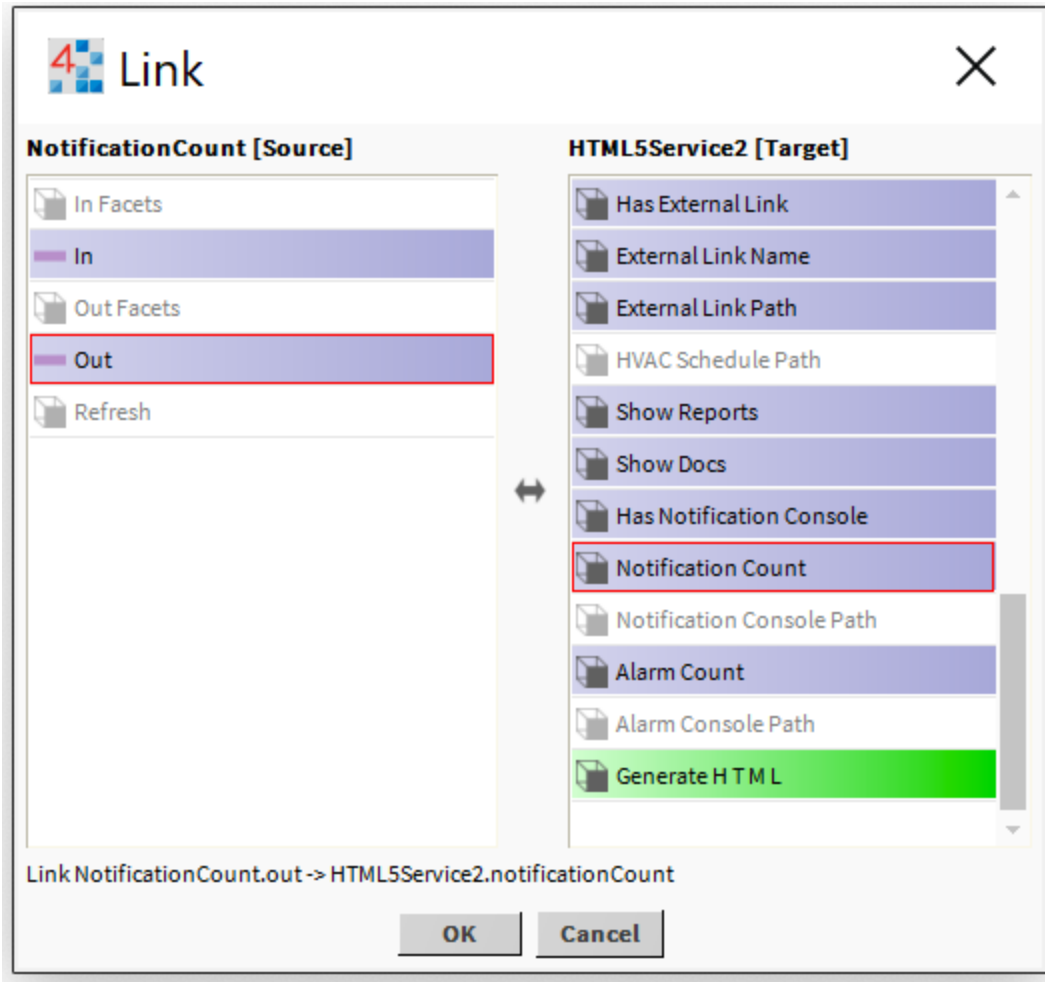
### Notification Count

- Link from your Notification count to this slot. I recommend using a numeric unit converter with precision set to 0. This will animate when count > 0.

### Notification Console Path

- Link to your notification console here.

 Has Notification Console	<input checked="" type="checkbox"/> true
 Notification Count	<input type="text" value="0.00"/>
 Notification Console Path	<input type="text" value="null"/>  



## Alarms



### Alarm Console Name

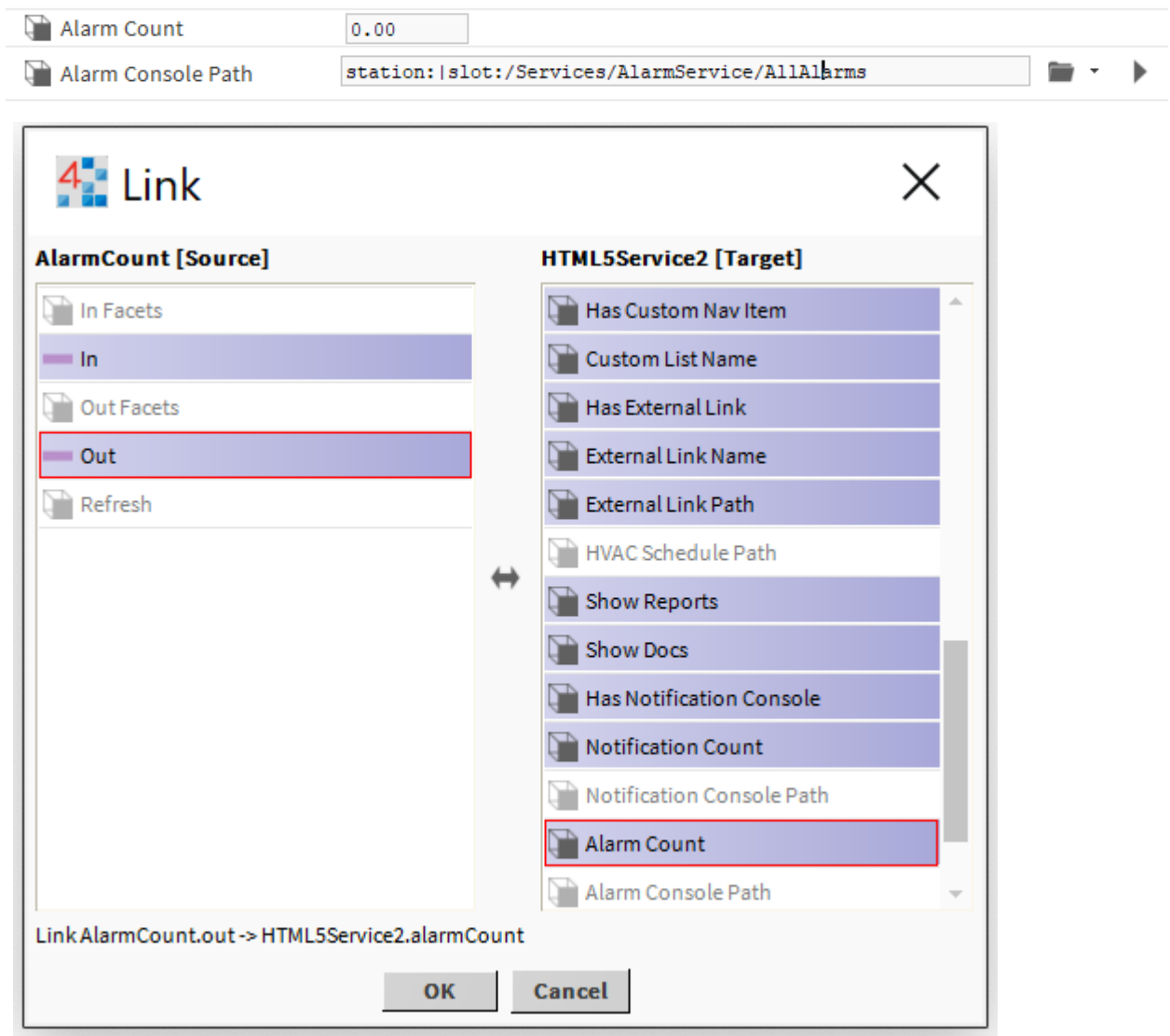
- Set the name to be displayed in browser nav bar here. Example: Alarms

### Alarm Count

- Link from your Notification count to this slot. I recommend using a numeric unit converter with precision set to 0. This will animate when count > 0.

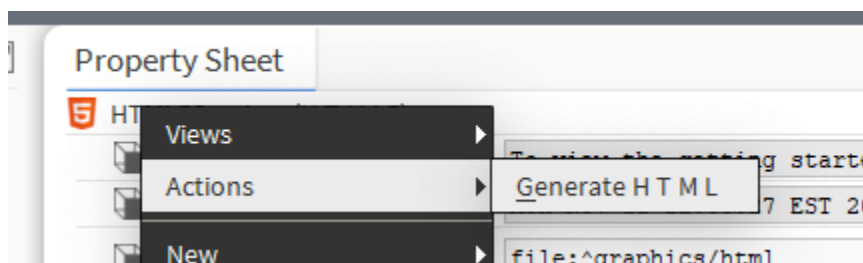
### Alarm Console Path

- Link to your alarm console here.



## Generating the HTML files

- Under actions - choose Generate HTML. This will generate all of the necessary html5 files.





## Displaying the HTML Wrapper & Graphics

**For Niagara 4.7 and 4.8 - Direct the user to the url**

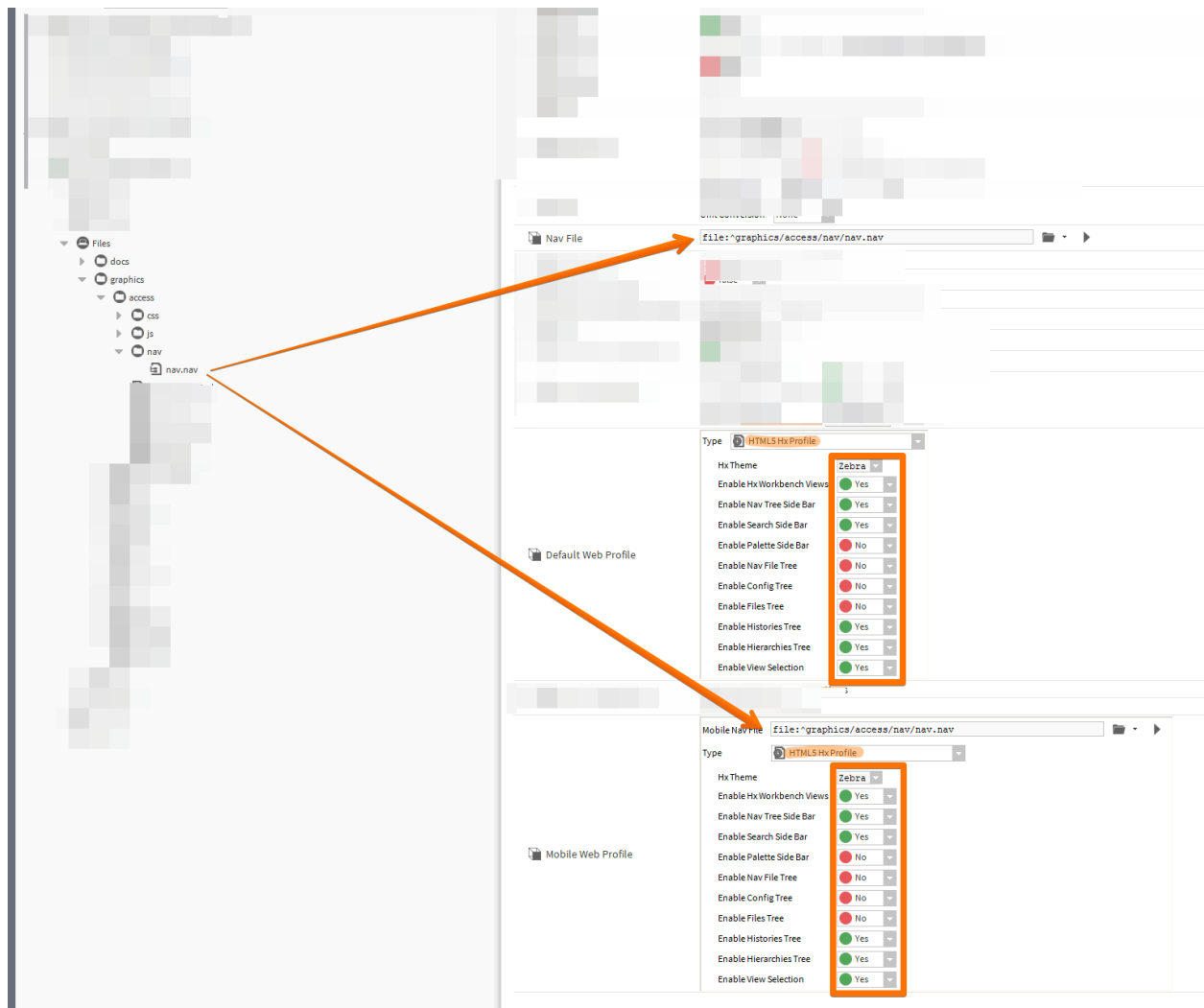
**<https://JACEorServerIPAddress/nhtml> example: <https://192.168.1.101/nhtml>**

**For Niagara 4.9+ this is no longer required when using html version 0.30 and above, the user will be automatically redirected from the naked address -**

**<https://JACEorServerIPAddress> or <https://192.168.1.101>**

- This will load your html files in a servlet and redirect them to the correct homepage.  
A NAV file will be created in the html folder specified earlier default:  
file:^graphics/html/nav/nav.nav
- Assign this NAV file to the users and setup the user profiles as show below:

**If using multiple instances of the HTML5Service to create different user interfaces take care to use the correct NAV file here**



That completes this guide. All other graphics and navigation work can be done in workbench.

Please reach out to me if you have any questions or feedback about this guide -  
[kyleg@sbsmi.com](mailto:kyleg@sbsmi.com)