

Architect User Guide

Version 0.2.2

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Overview

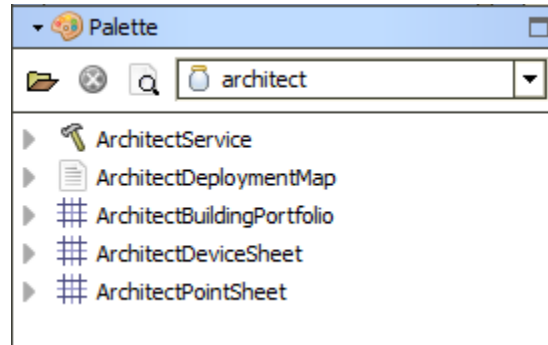
Architect is a Niagara Framework module designed to assist in Niagara station standardization tasks (navigation, naming, tagging, and settings), as well as bulk deployment of complex logic across multiple components.

Architect assists with these tasks by using a spreadsheet-style editor to create and tag Building Portfolios, batch modify and relocate devices, batch modify points in those devices, and deploy templated logic that can intelligently establish links across the station.

Modules & Setup

Architect consists of two Niagara modules: **architect-rt.jar** and **architect-ux.jar**.

Once installed, the **architect** palette becomes available:



To install Architect to a Niagara station:

1. Place the **ArchitectService** into the station services.
2. Right-click on the ArchitectService, expand **Actions**, and run the **Setup Tag Dictionary** action.
3. Right-click on the ArchitectService, expand **Actions**, and run the **Create Deployment Map** action. Name it after your site.
4. Setup any needed **additional tag dictionaries**, containing the tags you intend to use with this site.

ArchitectService properties

You can access and configure the properties of the ArchitectService by double-clicking on it in the Nav tree or right-clicking on it and going to Views -> AX Property Sheet

Below is a description of every property found there:

- **Status:** Normally OK. If a problem exist with the service, such as a licensing problem, that would prevent deployments from succeeding, the status will go into fault.
- **Fault Cause:** Shows a brief description of what caused the service to go into fault, if applicable.
- **Enabled:** Whether or not the service is enabled. This property presently has no effect.
- **Log To Application Director:** If true, any messages sent to the job log during a deployment will also be printed to the Application Director as well.
- **Fine Logging:** If true, more detailed information will be sent to the job log during a deployment. This can be used to get insight into the deployment process's decision making when moving devices, renaming points, among other things.
- **License Info:** Contains information about the licensing status of Architect
 - **Is Licensed:** True if Architect is property licensed and deployments can therefore occur. Note that this field can also be false in the case of a device limit violation, even if the license feature is present on the license.
 - **Device Limit:** The effective “device.limit” value read from the Architect license feature.

- **Device Count:** The number of devices that Architect has found on the station.
- **Station Limit:** The effective “station.limit” value read from the Architect license feature.
- **Station Count:** The number of NiagaraStations that Architect has found on the station.
- **Last Updated:** A timestamp of the last time a license check was performed. A license check is automatically performed every time a deployment occurs. A license check can be manually triggered by right clicking on the ArchitectService and selecting Actions -> “Update License”

Deployment

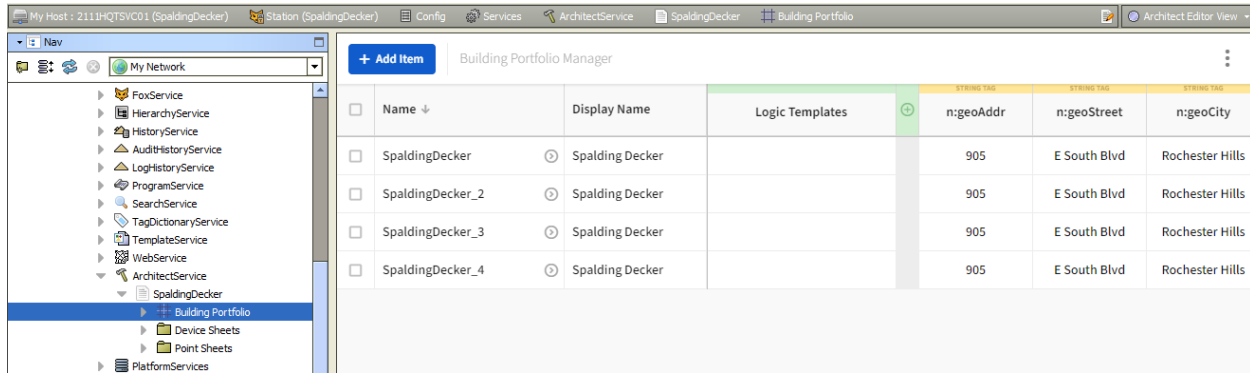
Once finished editing your station with Architect, you can trigger the deployment of your changes by right-clicking on your Deployment Map, going to **Actions**, and running the **Deploy** action. **It is highly recommended to back up your station before deployment.**

If deployment fails, you will be able to look in the Niagara **Job Log** to see what succeeded, where it left off, and any relevant messages for the failure.

Architect is designed to allow you to **seamlessly redeploy your Deployment Maps**. If it fails, you can fix the issue, and safely run the Deploy action again.

Building Portfolio

The **Building Portfolio Manager** is the default view for the **Building Portfolio** component under your **Deployment Map**.




The **Add Item** button brings up a dialogue that allows you to set the Name and Display Name of a new row in the spreadsheet.

Columns

Name & Display Name

The **Name** column determines the Niagara component name for the Folder that will be created for this spot in the Building Portfolio. The **Display Name** column determines the Display Name for these same components.

The **arrow hyperlink button**  in the Name column will take you into the Building Portfolio Manager view for the item in that row, allowing you to quickly navigate into the hierarchy of your Building Portfolio and continue editing.

Logic Templates

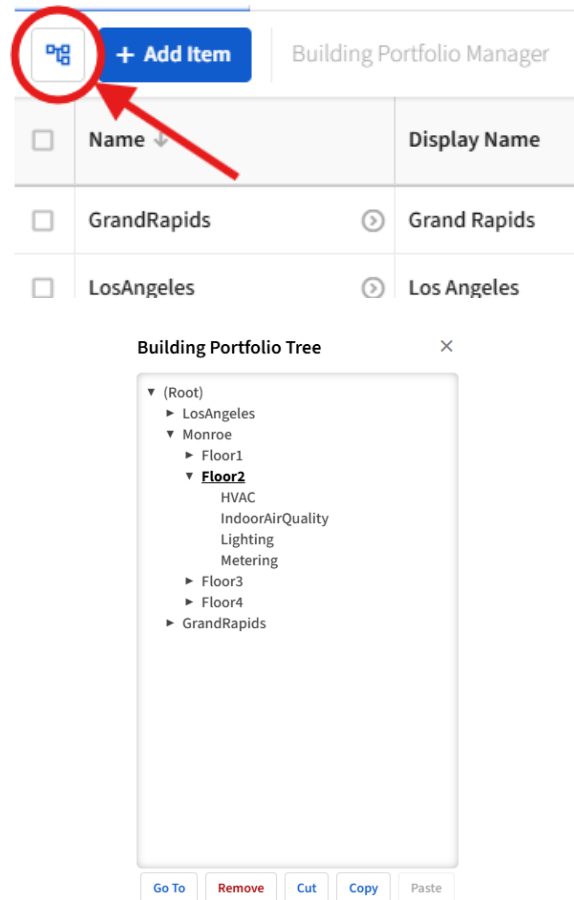
The **Logic Templates** column allows you to choose Logic Templates to be deployed within this Building Portfolio folder.

Tag Columns

Hit the **Add Tag** button to select tags to add to the spreadsheet as a column. If you specify a value for one of the cells in this column, the tag will be added to the Building Portfolio folder with the specified value.

Navigating between Building Portfolios

Every item added to a Building Portfolio sheet is also its own Building Portfolio sheet that can be viewed and modified in a tree-like structure. At the top left corner of every Building Portfolio sheet is a navigation button that will open the “Building Portfolio Tree” that can be used to view the entire structure, move between sheets quickly, as well as cut, copy, paste, and remove sheets.



Clicking on any item in this tree will select it. Selected items will be bold and underlined. Multiple items can be selected by holding the CTRL key and clicking multiple items. You can also Shift+click entries to select multiple items at once.

Navigating to another sheet

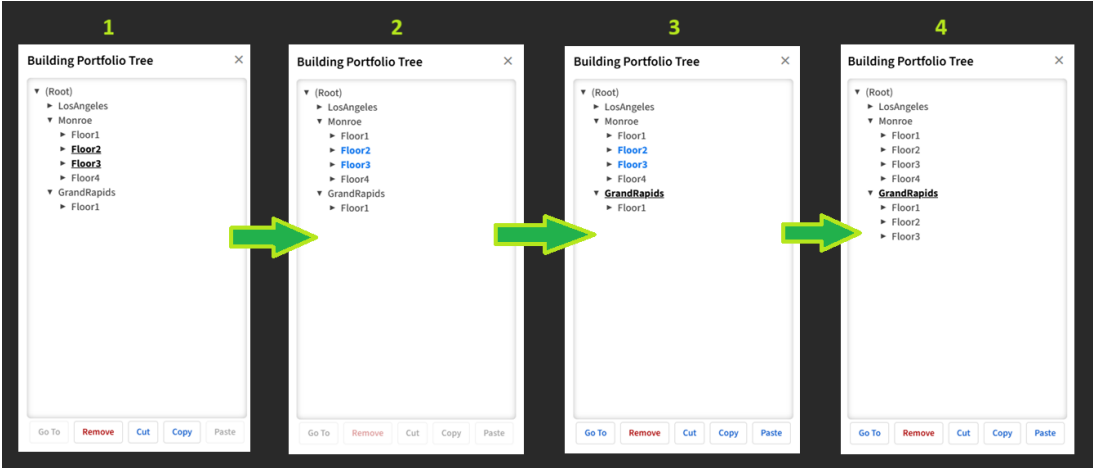
To navigate to another sheet, you can click on an item in the tree to select it, and then click the “Go To” button at the bottom of the Building Portfolio Tree window. You can also double-click on an item to navigate to the sheet as well.

Copying items between sheets

To copy and paste items between sheets, you must:

- 1) Click on the item(s) that you want to copy to highlight them
- 2) Click on the “Copy” button at the bottom of the Building Portfolio Tree window. The selected items will be highlighted in blue to signify that they are going to be copied
- 3) Click on the item(s) that you want to paste the copied items to.

- 4) Hit the “Paste” button at the bottom of the Building Portfolio Tree window. The items and of their children will be copied. If there is a naming conflict, the new items will automatically have a number added to them to make sure they are unique (Example: HVAC -> HVAC_2)



Cutting and pasting items between sheets

Cutting and pasting works almost the same as copying and pasting, except that items that are to be cut will be highlighted gray instead of blue. Additionally, only one destination may be used for a cut/paste operation. An item cannot be cut and pasted into itself or its own child. The (Root) item cannot be cut and pasted anywhere else.

Removing an item








To remove an item, click on the item(s) that you want to remove to highlight them, and then click on the “Remove” button at the bottom of the Building Portfolio Navigation window.

Deployment Summary

When deployed, Architect will create folders under the **root** of the station, for each building portfolio that exists under the root “Building Portfolio” of the deployment map. It will then begin adding child folders according to your Building Portfolio Architect configuration under those child sheets.

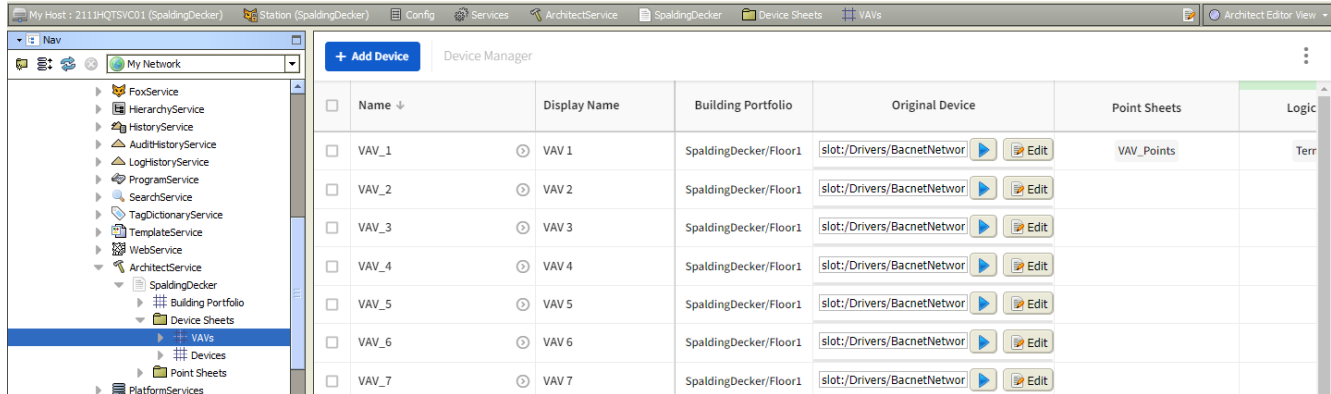
The child folders are created one by one for each Building Portfolio component. Tags are then added to them, and their Logic Templates are deployed.

| + Add Item Building Portfolio Manager | | | |
|---------------------------------------|-------------|--------------|-----------------------------|
| <input type="checkbox"/> | Name ↓ | Display Name | Logic Templates |
| <input type="checkbox"/> | GrandRapids | Grand Rapids | HvacMetrics Alarm TestTempl |
| <input type="checkbox"/> | LosAngeles | Los Angeles | |
| <input type="checkbox"/> | Monroe | Monroe | |

- ▼  Config
 - ▶  Services
 - ▶  Drivers
 - ▶  Apps
 - ▶  Grand Rapids
 - ▶  Los Angeles
 - ▶  Monroe

Device Sheets

The **Device Sheets** folder is found under the Deployment Map. If you right-click on it, there is a **Create Device Sheet** action. Name your Device Sheet after the type of devices you plan to include on the sheet.



The **Add Device** button brings up a dialogue where you can select devices in the station to add to the sheet. You can **Ctrl+Click** to select multiple devices.

Columns

Name & Display Name

The **Name** column determines the name of the device **after** it has been moved to its Building Portfolio location. The **Display Name** column is the Display Name of that device, also applied after the device has been moved.

Building Portfolio

Clicking a cell in this column will bring up a dialogue that will let you select an item in your Building Portfolio. When deployed, the device will be moved into device folders that match the path to your selected Building Portfolio item.

Original Device

This column represents the original location of the device in the station, before it has been moved. If the device has been moved, Architect deployment will instead check the new Building Portfolio location to make any updates to the device.

Point Sheets

Clicking a cell in this column will bring up a dialogue where you can select Point Sheets to be deployed for the device. You must first have some Point Sheets in order to select something in this column.

Logic Templates

The **Logic Templates** column allows you to choose Logic Templates to be deployed within this device. If this is a proper Niagara device with a Points folder, the Logic Templates will be **deployed to the Points folder**.

Tag Columns

Hit the **Add Tag** button to select tags to add to the spreadsheet as a column. If you specify a value for one of the cells in this column, the tag will be added to the device with the specified value. The tags are applied to the device, and not the Points folder.

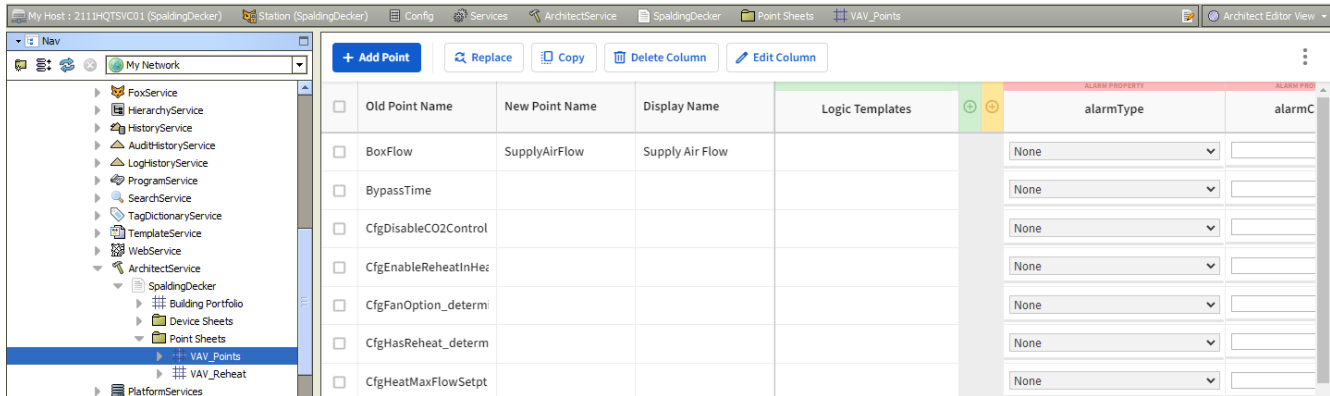
Deployment Summary

Devices are deployed one-by-one on each sheet. The following steps are run for each row:

1. Device is moved from Original Device location to the Building Portfolio location. If the folder that the new device location belongs in does not exist yet, it will automatically be created at this time.
 - a. The device and its child components will retain their **handle** during this move, and any pre-existing Links made to points should persist (unless the Link type was manually changed from Handle to Slot Path).
2. New name/display name applied
3. Point Sheets for the device are deployed
4. Tags are added to the device
5. Logic Templates for the device are deployed

Point Sheets

The **Point Sheets** folder is found under the Deployment Map. If you right-click on it, there is a **Create Point Sheet** action. Name your Point Sheet after the type of device points you plan to include on the sheet.



The **Add Point** button brings up a dialogue where you can select points in the station to add to the sheet. You can **Ctrl+Click** to select multiple points.

Note: only the point name will be added to the sheet. If you need to put a **nested** point onto the sheet, to modify a subfolder point under the device, you still need to specify the relative path to this point before the name.

Columns

Old Point Name, New Point Name, Display Name

The **Old Point Name** column contains a comma-separated list of point names. When deployed, Architect will search for these point names under a device's Points folder. Once a match is found, it stops searching, and modifies the point according to the rest of the cells in the row. It will not modify more than one point per row.

Example value: ZoneTemp, ZoneTemperature, ZN-T

1. Architect will search for the point under its **New Point Name** in case the point has already been renamed during a previous deployment. If it is found this way, the point is not moved, but is still modified according to the rest of the point sheet's configuration according to step 4.
2. Architect will search for **ZoneTemp**. If not found, it will continue and search for **ZoneTemperature**. If not found, it will continue and search for **ZN-T**.
3. If no match is found, Architect moves on to the next row in the sheet.
4. If a match is found, the point is modified according to the rest of the row.

The Point Sheet deployment **will not search for nested points**. If you have points located in subfolders that you would like included, you need to include a relative path to that point within the name declaration.

Example value: Inputs/Setpoint, Inputs/SP

1. Architect will look for a folder in the Points folder of the device called Inputs, and search for a point named Setpoint. If not found, it will look for a point named SP in that same directory.
2. If no match is found, Architect moves on to the next row in the sheet.
3. If a match is found, the point is modified according to the rest of the row.

The **Display Name** column sets the Display Name of the point being modified.

Logic Templates

The **Logic Templates** column allows you to choose Logic Templates to be deployed within this point. This can be used to do things like add custom extensions or child logic to points.

Tag Columns

Hit the **Add Tag** button to select tags to add to the spreadsheet as a column. If you specify a value for one of the cells in this column, the tag will be added to the point with the specified value.

Alarm Settings

The **Alarm Settings** column lets you set up an Alarm Extension for the point.

Clicking on the button in any given cell (default: “No Change”) will open an editor that can be used to modify the properties of the alarm extension that will be assigned to that point. The **Alarm Type** dropdown determines what type of alarm extension is assigned to the point. In addition, it can be set to “No Change” to leave existing alarm extensions on the point unmodified, or “Delete Existing” which will remove any alarm extension that may be present on that point.

Note that in the case that an alarm extension is added, any existing alarm extensions on the point **will be deleted** before deploying the new alarm extension.

History Properties

The **History Settings** column lets you set up a History Extension for the point.

Clicking on the button in any given cell (default: “No Change”) will open an editor that can be used to modify the properties of the history extension that will be assigned to that point. The **History Type** dropdown determines what type of history extension is assigned to the point. In addition, it can be set to “No Change” to leave existing history extensions on the point unmodified, or “Delete Existing” which will remove any history extension that may be present on that point.

Note that in the case that an history extension is added, any existing history extensions on the point **will be deleted** before deploying the new alarm extension.

Facets

Clicking on one of these cells will open a dialogue that allows you to set the facets for the given point.

Tuning Policy

Clicking on one of these cells will open a dialogue that allows you to set the Tuning Policy Name on the given point's Proxy Extension.

Deployment Summary

Points are deployed one-by-one on each sheet. The following steps are run for each row:

1. Architect searches for a matching point name. Once a single match is found, it moves on and does not search for any more points in this row.
2. New name/display name applied to the point
3. Tags are added to the point
4. Alarm Extension is added to the point (if defined). Any existing alarm extensions are deleted before deploying an Alarm Extension.
5. History Extension is added to the point (if defined). Any existing history extensions are deleted before deploying a History Extension.
6. Logic Templates for the point are deployed

Logic Templates

Logic Templates are Niagara folders that contain logic which is meant to be copied and deployed to Building Portfolio folders, Device point folders, or within Points themselves.

Logic Templates have multiple **Logic Proxy** features meant to assist with creating **links** between logic slots, and other slots in the deployment location or across the entire Niagara station.

Logic Property columns can also be used on editor sheets to individually set the value of slots within a Logic Template for each row in the sheet.

When deployed, all copied components from the Logic Template will have an **arch:lt string tag** added to the component. The value of the tag will represent the path to its source Logic Template. This tag is necessary to ensure you are able to make changes to your Logic Templates and re-deploy them without issue.

Logic Template Setup

To **create** a simple Logic Template:

1. Choose a folder to place your desired logic into. Add an **arch:logicTemplate marker tag** to this folder.
 - a. The folder can live anywhere in the station.
 - b. Note that this folder itself **will not be copied** to the destination location. Only its contents will be copied.
2. Copy your logic into your Logic Template.
3. On your Architect sheet, click a cell in the **Logic Templates** column, and **select** your Logic Template from the list.
4. **Deploy** your Architect Deployment Map.
5. All components from your Logic Template folder will be copied and placed into the destination location.

If your logic requires links to or from existing components in the station, continue reading for details on the Logic Proxy features.

Logic Proxy Tags

A **Logic Proxy** is intended to be **a fake point in your logic that represents a real point**. To create a simple Logic Proxy that *represents a point that exists in the destination location*:

1. Copy the point from the destination location, and paste it into your Logic Template's root folder.
2. Add the **arch:logicProxy marker tag** to the point.
3. Make a link between this point and the other components in your Logic Template.

When deployed:

1. Architect will see that the point has an arch:logicProxy tag, so it **will not copy the Logic Proxy point to the destination location.**
2. Architect will search the **root** of the destination location for a point **with the same Display Name** as your Logic Proxy point. If there is no Display Name match, it will look for a point **with the same Name.**
3. If found, Architect will observe the slots on the Logic Proxy point for links.
4. If links are found, Architect will attempt to **create the same links between your copied logic, and the real point that matched your Logic Proxy.**

Example:

1. You are deploying a Logic Template to your devices, and need to make a link from the device's Space Temperature point's output into your logic. The point has the display name "ZN-T."
2. Copy the original point into your Logic Template folder.
 - a. If not possible to paste a direct copy due to type spec limitations, you can create any kind of component in your Logic Template, just ensure it has the same Name or Display Name, and that it has the slots needed for your link (for best results, ensure the type spec of the child slots are a direct match).
3. Give the point the arch:logicProxy marker tag.
4. Make a link from the point's **out** slot to your logic.
5. When deployed, Architect finds a point with the same "ZN-T" Display Name (even if the actual point Name did not match) in the destination location (which is the device's "Points" folder if it has one) and creates a link from that point's out slot, into the target slot of the copied and deployed logic.

Logic Link Path tag

When creating a logic template, an optional string tag **arch:logicLinkPath** can be added to specify a relative path to where the actual logic template components will be deployed, relative to the target Building Portfolio folder, device, or point that the deployment is operating on. For example, one can create a subfolder named "LogicContainer" underneath the points folder of a device, and then specify an **arch:logicLinkPath** of "LogicContainer" to have the logic deployed there instead.

Logic Proxy Path Tags

If you need to make a link with a **point that is not located in the root your destination** (for example, a distant Schedule object, a global reference point, or a device point that is nested in several point folders), you can make use of the **arch:logicProxyPath** string tag, in addition to the arch:logicProxy marker tag.

The arch:logicProxyPath tag accepts a **slot path** or **BFormat** value that resolves to a component in an absolute or relative location. Once located in the station, the component will be used to create your link. **The Display Name and Name checks are not performed** if using a Logic Proxy Path.

If given a **BFormat** value, it will be resolved using the destination location as its base (for example, a device's Points folder, or a Building Portfolio folder that you are deploying a Logic Template to).

Here are some Logic Proxy Path examples:

- station:|slot:/Home/GlobalSetpoints/SpaceTempHighAlarm
 - The SpaceTempHighAlarm point will be used to try and make a link with your logic.
- %parent%
 - Will resolve to the component one level above your deployment location.
 - If deploying on a BACnet device, this would resolve to the actual parent BacnetDevice, as it is the parent of the Points folder. It will match regardless of the device's name.
- slot:Inputs/MyInputPoint
 - If your device's Points folder has a subfolder called "Inputs", it will dive into that folder and match a point with the name MyInputPoint.
- %Inputs.MyInputPoint%
 - This would resolve to the same point as the previous example, only this time using BFormat.

Logic Proxy Links

Logic Proxy Links are for scenarios where you need to **change the path to your link for each row in the sheet**.

You can do this by inserting a **Link name** into your **Logic Proxy Path** string tag value, and surrounding it with **curly braces**.

A prime example:

1. You have a Devices sheet full of VAVs, served by different AHUs. You need to make a link from their appropriate AHU to your deployed logic.
2. Create a point to represent the AHU point, and add the arch:logicProxy marker tag and arch:logicProxyPath string tag to it.
3. Set the Logic Proxy Path value to **{AHUDischargeAirTemp}**
4. On your Devices sheet, select your Logic Template
5. A Logic Proxy Link column will automatically populate, with the header {AHUDischargeAirTemp}

[+ Add Device](#) | Device Manager

| <input type="checkbox"/> | Name ↓ | Display Name | Logic Templates | LOGIC PROXY LINK TerminalUnits {AHUDischargeAirTemp} | + |
|--------------------------|--------|--------------|-----------------|--|---|
| <input type="checkbox"/> | VAV_1 | VAV 1 | TerminalUnits | station: slot:/Drivers/BacnetNe | |
| <input type="checkbox"/> | VAV_2 | VAV 2 | | station: slot:/Drivers/BacnetNe | |
| <input type="checkbox"/> | VAV_3 | VAV 3 | | station: slot:/Drivers/BacnetNe | |
| <input type="checkbox"/> | VAV_4 | VAV 4 | | station: slot:/Drivers/BacnetNe | |

- Set the value of this column for each row.
- As each device is deployed, the Logic Proxy Link column's value will be used to generate the Logic Proxy Path.

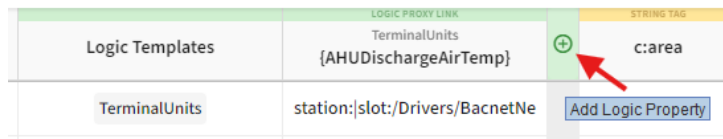
Logic Property Columns

Logic Properties are columns on Architect editor views that allow a user to select a slot from a component in a Logic Template and set a value for this slot for each individual row on the sheet.

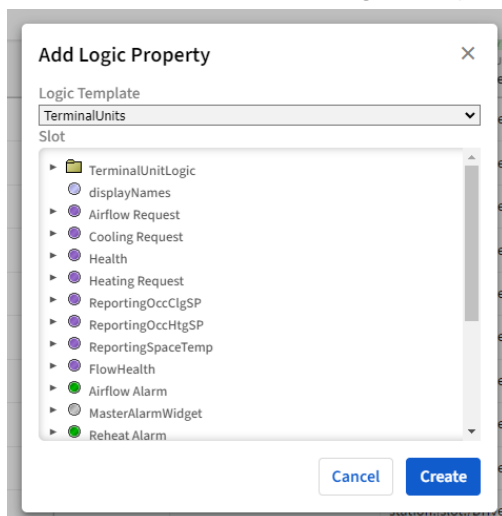
An example would be a BQL query slot that may need a different query for certain sets of devices on a Device Sheet.

To set up a Logic Property column:

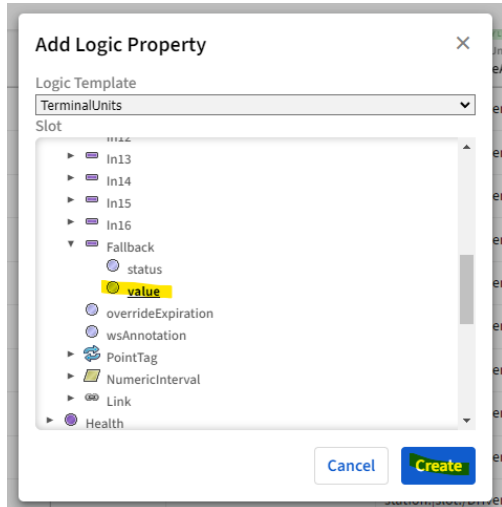
- Hit the **Add Logic Property** button on your sheet



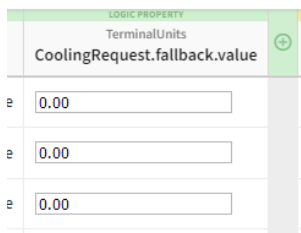
- The Add Logic Property dialog allows you to select a Logic Template, and display the components and slots available for that Logic Template. **Logic Proxy components are excluded** from this list.



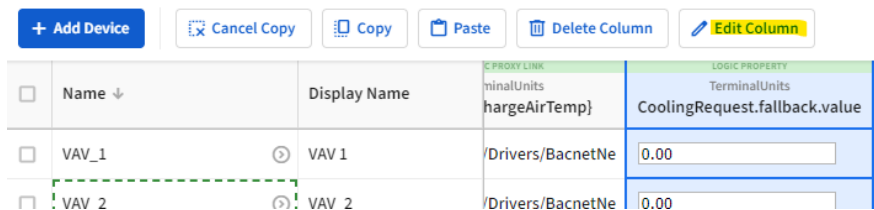
3. Drill down to a **writable slot**, select the slot, and hit **Create**



4. The slot is added to the sheet and can be set for each row:

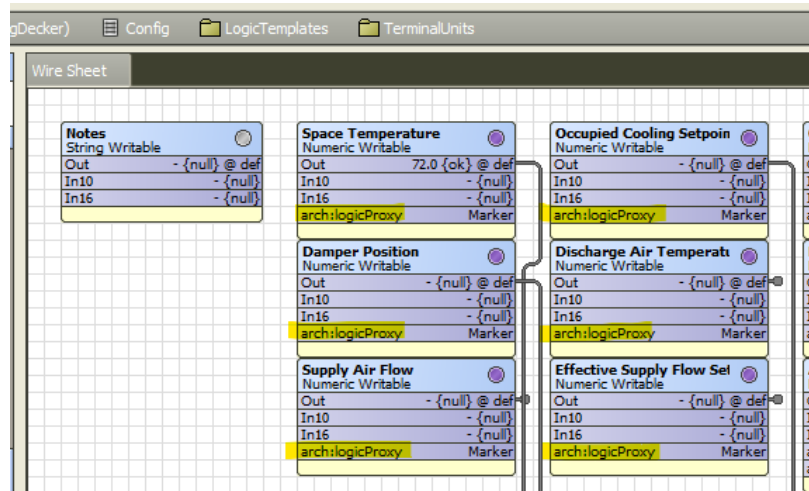


5. To **modify the slot selection**, select the column by **Ctrl+clicking** on the column header, and click the **Edit Column** button in the toolbar:



Show Logic Proxy Tags on Wire Sheet

To assist in the creation of Logic Templates, the **ArchitectService** has two actions: **Make Proxy Tags Visible** and **Hide Proxy Tags**. These actions will add (or remove) the **summary** flag to all arch:logicProxy and arch:logicProxyPath tag slots in the station, allowing you to see which points are marked as Logic Proxies in Wire Sheet views:

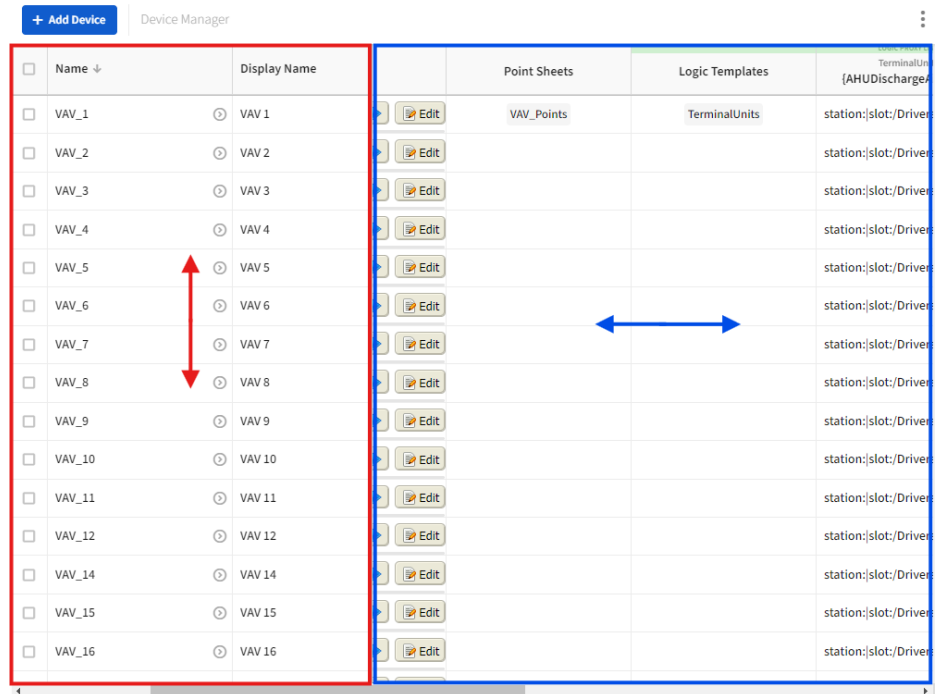


Architect Editor Functions

Scrolling the Editor views

Scrolling your mouse wheel on the **frozen Name columns** of your sheet will **scroll the sheet vertically**.

Scrolling your mouse wheel on the other columns to the right will **scroll the sheet horizontally**.

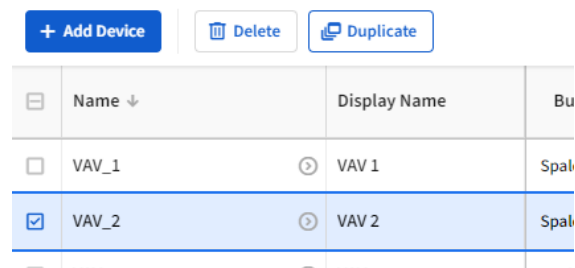


Selecting, Duplicating, and Deleting Rows

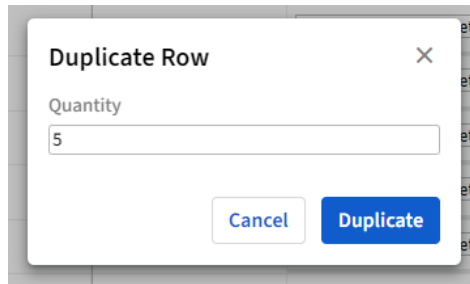
You can **select rows** by using the checkbox at the left of the row.

You can **Shift+click** to select multiple rows, or use the row selection box to left of the headers to select or deselect **all** rows.

To **duplicate** a row in a sheet, including all values set for columns in that row, **select a single row** by clicking the checkbox on the left, and click the **Duplicate Row** button in the toolbar. To **delete** a row in a sheet, hit the **Delete** button in the toolbar.



You can choose a quantity to duplicate in the dialog:



Selecting cells and columns

To **select cells** or an entire **column**, **Ctrl+click** the cell or column.

You can select **multiple cells** in the **same column only**.

You can **Ctrl+Shift+click** to select multiple cells at once.

Copy and Paste cells

You can **Copy** and **Paste** values within cells.

Once you have selected cells, hit the **Copy** button to mark them as copied:

| <input type="checkbox"/> | Name ↓ | Display Name | B |
|--------------------------|--------|--------------|-----|
| <input type="checkbox"/> | VAV_1 | VAV 1 | Spi |
| <input type="checkbox"/> | VAV_2 | VAV 2 | Spi |
| <input type="checkbox"/> | VAV_3 | VAV 3 | Spi |
| <input type="checkbox"/> | VAV_4 | VAV 4 | Spi |
| <input type="checkbox"/> | VAV_5 | VAV 5 | Spi |

You can hit the **Cancel Copy** button to remove the copy selection.

To paste the values from the cells into another cell or set of cells, **select your destination cell or cells**, and hit the **Paste** button.

| + Add Device Cancel Copy Replace Copy Paste | | | | + Add Device Cancel Copy Replace Copy Paste | | | | |
|---|--------|---|--------------|---|--------------------------|--------|--------------|----------------------|
| <input type="checkbox"/> | Name ↓ | | Display Name | Building Portfolio | <input type="checkbox"/> | Name ↓ | Display Name | Building Portfolio |
| <input type="checkbox"/> | VAV_1 | ⌵ | VAV 1 | SpaldingDecker/Floor | <input type="checkbox"/> | VAV_1 | VAV 1 | SpaldingDecker/Floor |
| <input type="checkbox"/> | VAV_2 | ⌵ | VAV 2 | SpaldingDecker/Floor | <input type="checkbox"/> | VAV_2 | VAV_2 | SpaldingDecker/Floor |
| <input type="checkbox"/> | VAV_3 | ⌵ | VAV 3 | SpaldingDecker/Floor | <input type="checkbox"/> | VAV_3 | VAV_3 | SpaldingDecker/Floor |
| <input type="checkbox"/> | VAV_4 | ⌵ | VAV 4 | SpaldingDecker/Floor | <input type="checkbox"/> | VAV_4 | VAV_4 | SpaldingDecker/Floor |
| <input type="checkbox"/> | VAV_5 | ⌵ | VAV 5 | SpaldingDecker/Floor | <input type="checkbox"/> | VAV_5 | VAV_5 | SpaldingDecker/Floor |

Note that you can only copy and paste values from cells **of the same type**. You cannot, for example, copy a Logic Template selection into a string field.

Find and Replace

Cells with a regular string field type can utilize **Find and Replace** functionality, by selecting the cells, and hitting the **Replace** button in the toolbar.

Find and Replace ✕

Mode

Find and Replace
 Beginning of Line
 End of Line

Text to find:

Text to insert:

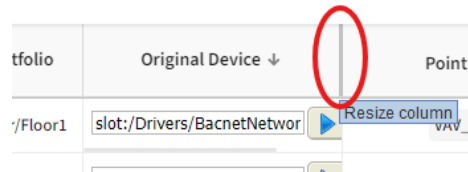
Sample

→

The dialog allows you to find and replace text, or **add text** to the **beginning or end** of the selected string values.

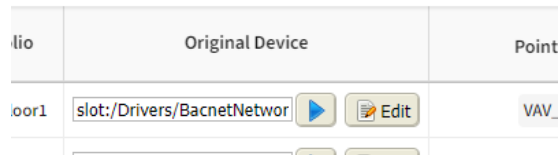
Expanding column widths

You can click and drag on the **right-hand side** of a column header to change its width.



| Portfolio | Original Device ↓ | Point |
|-----------|-----------------------------|-------|
| /Floor1 | slot:/Drivers/BacnetNetwork | VAV |

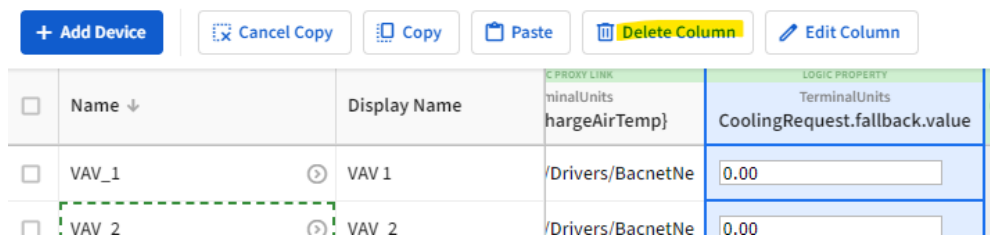
If you **double-click** the resize bar, it will **automatically resize the column width** to match the widest content in the column:



| Portfolio | Original Device | Point |
|-----------|-----------------------------|-------|
| /Floor1 | slot:/Drivers/BacnetNetwork | VAV |

Deleting columns

You can **delete Tag and Logic Property** columns by **Ctrl+clicking** the column to select it, and hitting the **Delete Column** button:



| Name ↓ | Display Name | PROXY LINK | LOGIC PROPERTY |
|--------|--------------|---------------------------------|--|
| VAV_1 | VAV 1 | TerminalUnits ChargeAirTemp} | TerminalUnits CoolingRequest.fallback.value |
| VAV 2 | VAV 2 | /Drivers/BacnetNe | 0.00 |

Show/Hide Columns

You can **Hide** and **Show** columns on a sheet by hitting the overflow options menu button in the top-right of your editor, and selecting **Show/Hide Columns**.

The dialog allows you to select what columns should be shown. This is helpful for large sheets where:

- You do not need to see every Alarm or History extension property

- You don't need to see the Original Device column in your Devices sheet anymore, as they've been deployed and moved already

