INTEGRATOR GUIDE

+64 09 972 9163 | info@opsyssolutions.com

NOX

After-hours HVAC scheduling made easy





Welcome to 7NOX!

This guide provides step-by-step instructions for setting up and integrating the 7NOX Site Device with your BMS. Each section of the Guide also contains links to online videos covering the same steps. Find all 7NOX training resources on our Training Page. If you have issues with integration, please consult the Troubleshooting section of this guide before contacting 7NOX Support.

Before you begin, you will need:

- 7NOX Site Device or 7NOX Niagara Module
- Your Site ID & 7NOX Portal URL

7NOX System Requirements

Apple OS Version	IOS 11.2+
Android OS Version	4.0.3+
Browser	Edge 127.x+, Firefox 129.0.2+, Chrome 127.0.3396.87+
PC Monitor	1920 × 1080 (Recommended)

How to Use this Guide

The **System's Integrator Guide** includes special sections to help you easily learn the 7NOX system and quickly solve problems. Look for them throughout this Guide.

Tips and Tricks

Look for these special information boxes to gain knowledge and tips about using 7NOX.

NOX NOTE: These notes provide special information about features and functions of the 7NOX interface.

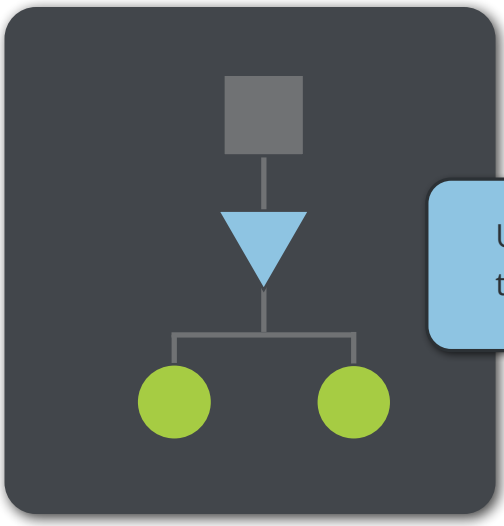
Pro Tips give you useful strategies for using 7NOX to get more functionality and performance.

How-to Videos

Throughout this Guide, you will find links to training videos within each section. These videos demonstrate how to perform specific tasks. Use them to support your learning.

Look for this button

VIDEO>



Trouble shooting

Use the Troubleshooting Chart at the end of the Guide to solve common issues.

Contents

General Info **5**
- 7NOX Licensing 5
- White Labelling 5
- Custom Booking Fields 6
- Point Mapping 7
- Network Firewall 8

Standard Integration **9**
- 7NOX Site Device 9
- Things You'll Need 10
- Device Configuration 10
  - Dashboard 11
  - Configuration Sections 15
- Schedule Linking **(Site Device)** 16
- Schedule Linking **(BMS)** 20

Niagara Integration **26**
- 7NOX Niagara Module 26
  - Add Module & Discover 27
  - Get Functions 29
  - Set up Triggers 32
- Method 1: Link Marking 33
- Method 2: Existing Schedules 36

Building Manager **40**
- Adding Tenants & Zones 41
- Adding Multiple Tenants 43
- Adding Multiple Towers 44
- Using the Import Wizard 45

Zone Manager **47**

Platform Manager **47**
- Download Niagara Module 47
- General Settings 48
- Import Manager 49

Troubleshooting **53**

Document Revisions **54**

Additional Resources **54**





Go Mobile!

Download the 7NOX Mobile app
Apple Store or **Google Play**

7NOX Licensing

A 7NOX portal instance does not need to be branded for the entity that holds the 7NOX license. In practice, this means a Systems Integrator can hold the license while the portal itself is configured and presented for the integrator's end customer.

This approach supports delivery models where the Systems Integrator manages the commercial relationship, deployment, and support, while the customer receives a portal experience aligned to their own brand. The 7NOX license is also transferable, providing flexibility where ownership or commercial arrangements change over time.

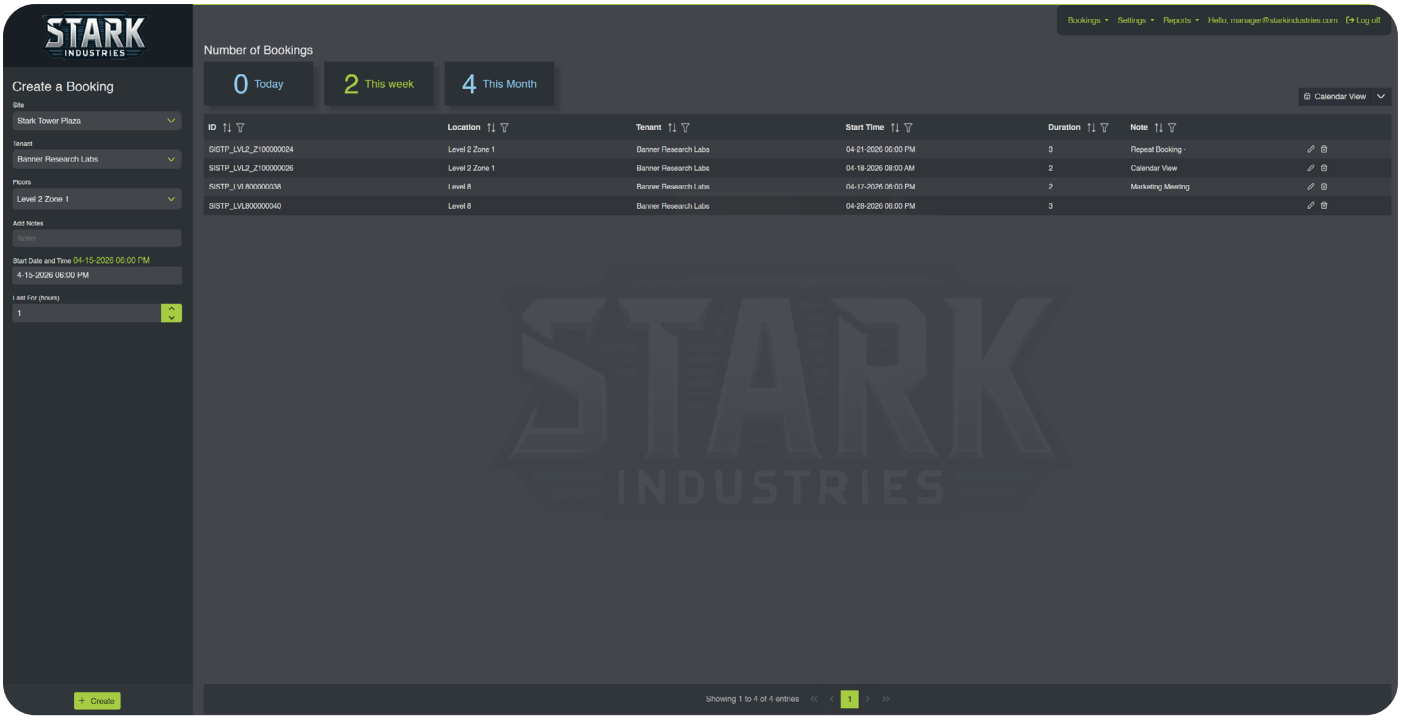
When planning a deployment, Systems Integrators should treat licensing and portal branding as separate considerations. The license holder may be the SI, but the visible portal identity can still be assigned to the customer.

White Labelling

7NOX supports white labelling of portal instances so that the portal can reflect the customer's branding rather than standard 7NOX branding. To enable white labelling, you'll need to provided branded logos (both light and dark versions) that are a minimum size of 500 × 234 px.

For domain branding, 7NOX can provide a free branded domain, provided the URL ends in 7nox.com. The permitted characters for this branded domain are letters (A–Z, a–z), numbers (0–9), and the following unreserved symbols: hyphen (-), underscore (_), dot (.), and tilde (~).

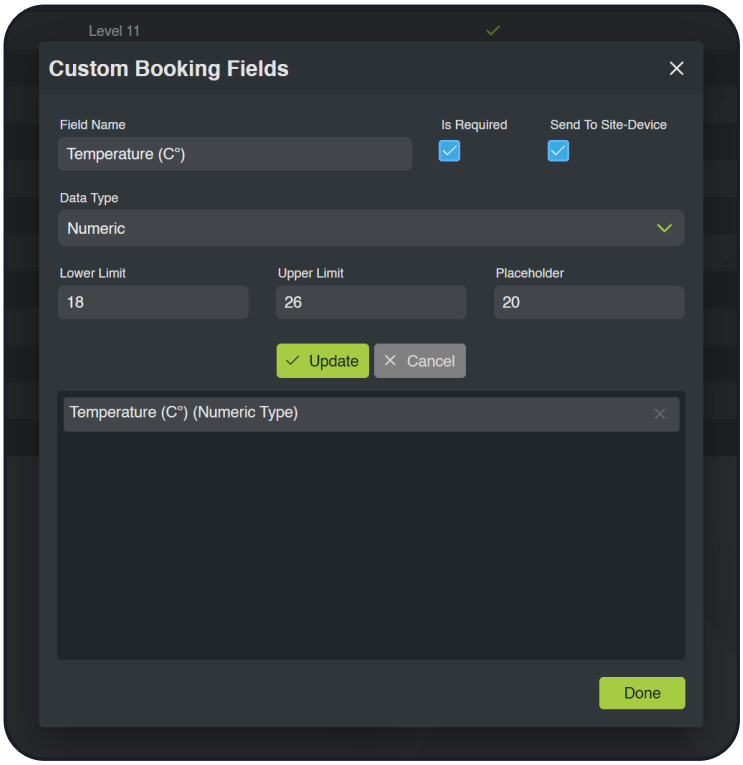
Where required, 7NOX can also point the portal to a custom URL hosted by the customer. This gives Systems Integrators the option to deploy either under a 7NOX-managed branded domain or under the customer's own hosted domain, depending on project and customer requirements.

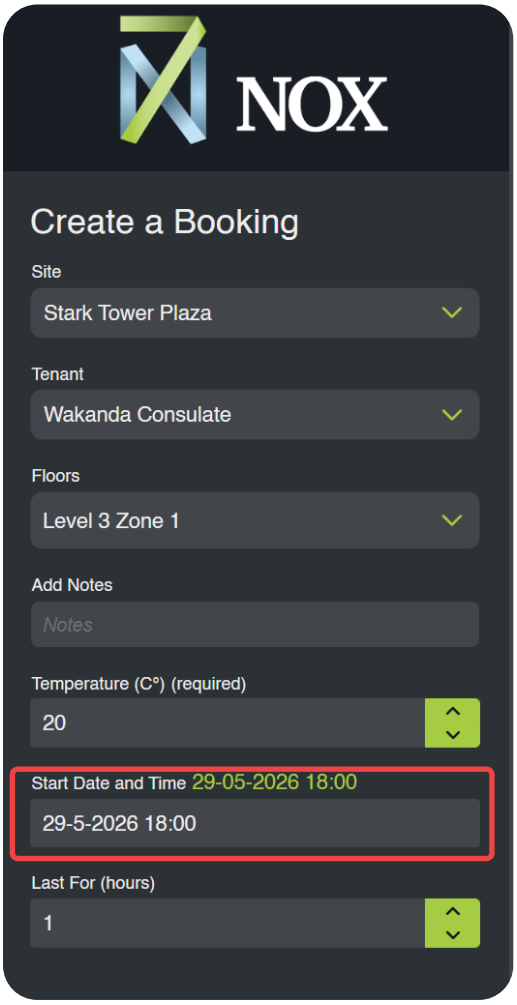


Custom Booking Fields

In the 7NOX portal, you can set up Custom Booking Fields to appear when users create a booking. Creating a custom field creates an additional points for setting booking values for variables such as temperature, humidity, etc. These values are then exposed as BACnet analogue values in the Site Device. If you wish to do this, you'll need to create your custom fields before starting integration. You can create these fields in the Floor Manager following these steps:

1. Select the floor you want to create the Custom Booking Field for.
2. In the Others tab, tick the box that reads "Define Custom Fields" and click inside the box.
3. Enter the field values in the popup and click "Create". Hit "Done" to close the popup.
4. Finally, click the "Update" button in the Floor Manager to save your changes.





Pro Tip: The "Placeholder" is the value that shows within the field. Set a preferred value for temperature (e.g., 20) to nudge tenants into choosing it by default.

Your Custom Booking Field will now show when tenants make a booking, displaying your placeholder value and constrained by your upper and lower limits.

Point Mapping

Standard Integration requires discovering BACnet points on the site device. Configuring point mapping ensures the site device can communicate via the BACnet protocol with your BMS. Point mapping identifies different building areas, such as floors or zones.

Object names follow the convention **{SiteID}.{Floor}.{Zone}.{PointType}**, for example AKL01.L05.Z01.AH-EN.

Obj Type	Obj Name	Required	Description
Analog Value	{SiteID}.{Flr}.{Zn}.**AH-PWR1**	Optional	Energy consumed by the boiler (kWh).
Analog Value	{SiteID}.{Flr}.{Zn}.**AH-PWR2**	Optional	Energy consumed by the chiller (kWh).
Analog Value	{SiteID}.{Flr}.{Zn}.**AH-DUR**	✓	Total runtime for the current booking (minutes).
Analog Value	{SiteID}.{Flr}.{Zn}.**AH-REM**	✓	Remaining runtime for the current booking (minutes).
Analog Value	{SiteID}.{Flr}.{Zn}.**AH-TNB**	✓	Time remaining until the next booking starts (minutes).
Binary Value	{SiteID}.{Flr}.{Zn}.**AH-EN**	✓	Boolean signal from 7NOX to initiate after-hours AC.
Binary Value	{SiteID}.{Flr}.{Zn}.**AH-OCC**	Optional	BMS signal indicating normal building occupancy.
Binary Value	{SiteID}.{Flr}.{Zn}.**AH-PRV**	Optional	Plant proving feedback. Confirms zone HVAC plant has started.
Binary Value	{SiteID}.{Flr}.{Zn}.**AH-PB**	Optional	Push button booking trigger. BMS writes TRUE for a minimum of 2 seconds to initiate a booking.
Schedule	{SiteID}.{Flr}.{Zn}.**AH-SCHD**	✓	After-hours BACnet schedule object.

Push Button Integration

- **The Point:** BMS writes to {SiteID}.{Floor}.{Zone}.AH-PB (Binary Value), held TRUE for a minimum of 2 seconds.
- **Booking behavior:** booking starts at the next 15-minute interval; fixed 1-hour duration (configurability noted as future).

NOTE: Bookings cannot be aborted once started, and they aren't tied to a user account, so tenant attribution is limited.

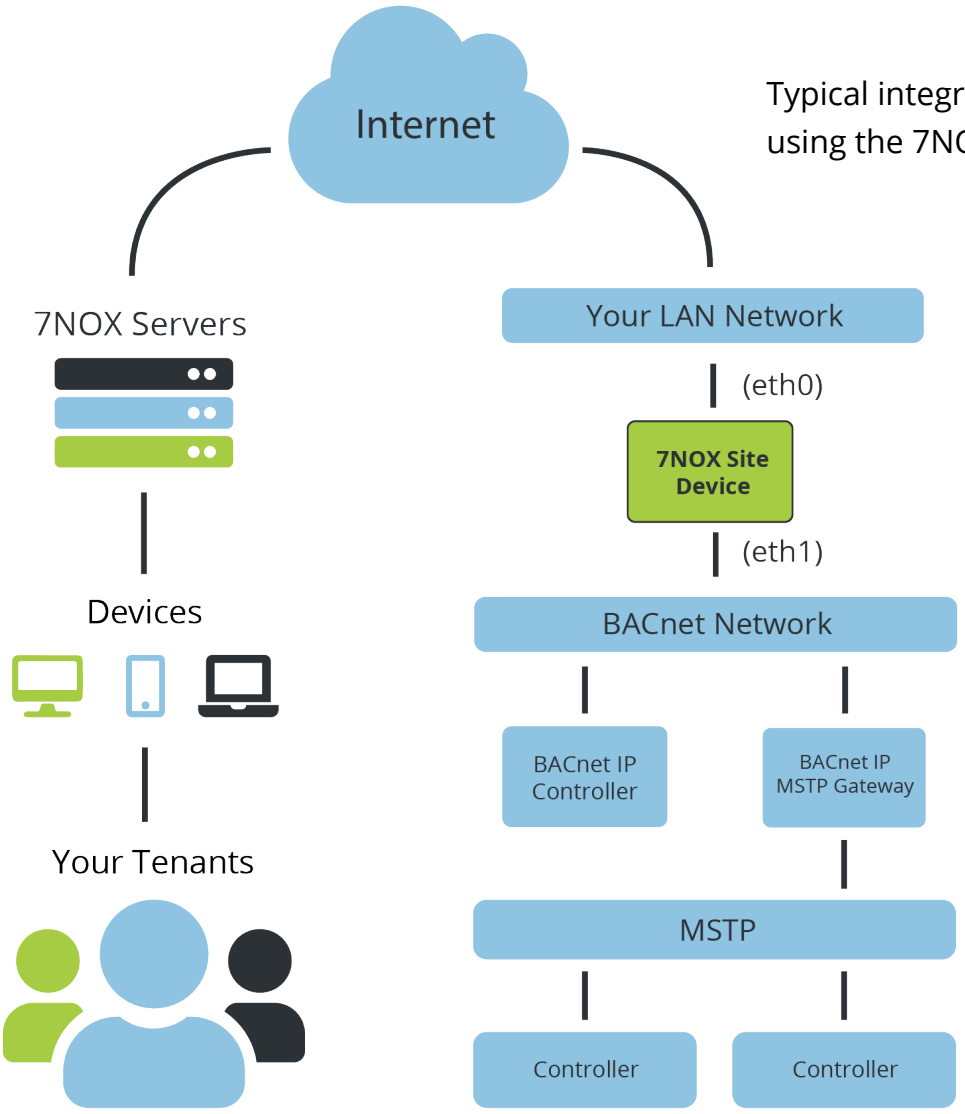
Network Firewall

Outbound Port (Router)

Source	Destination	Port	Description
7NOX	https://portal.7nox.com	443	Synchronize booking data

Inbound/Outbound (Local Network)

Source	Destination	Port	Description
7NOX	BACnet Controller	47808	After-hours point mapping
7NOX	NTP server	123	Time Synchronize



Typical integration setup using the 7NOX Site Device.

Standard Integration

Follow these steps to connect to use the 7NOX Site Device to connect to your BMS.

The 7NOX Site Device

The 7NOX Site Device is a compact Linux-based client that runs on low-resource hardware like a Raspberry Pi. The site device queries the 7NOX Portal's REST API to obtain bookings and communicate with your BMS via BACnet.



***Note:** This product should only be connected to an external power supply rated at 5V/2.5 A DC.*

Device Specifications

Electrical

Input	Micro USB connector
Voltage (V, nominal)	5 VDC
Current (A, nominal)	2.5 A

Environmental

Operating Temp	0°C to 50°C

Hardware

Device type	Raspberry Pi 4B 4GB Board
Processor	Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
SD Card	32GB or 64GB

Things you will need

- Site device & 5V power supply
- Network connection to the internet
- Computer
- USB-to-Ethernet adapter (Optional)



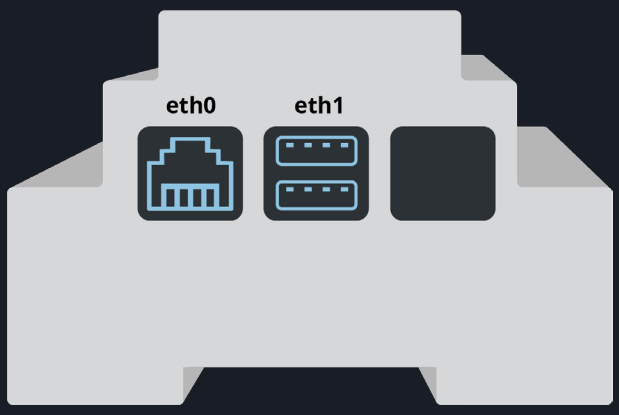
NOTE: If your BMS network is on a local area network and not connected to the internet, you will also need a USB-to-Ethernet adapter.

Site Device Configuration

Follow these steps to connect to your 7NOX Site Device and discover it in your BMS.

1. Connect the 5-volt power supply to your site device and wait for it to power up.
2. Next, connect to your on-board Ethernet port **(eth0)** to your internet network.
3. If needed, you should now plug your USB-to-Ethernet adapter into the site device's USB slot **(eth1)**.

eth0 — connecting site device to the internet
eth1 — connecting it to a LAN



Watch Video!

4. Open a web browser and navigate to **https://7nox-site-device.local**
5. Log in using the credentials provided:

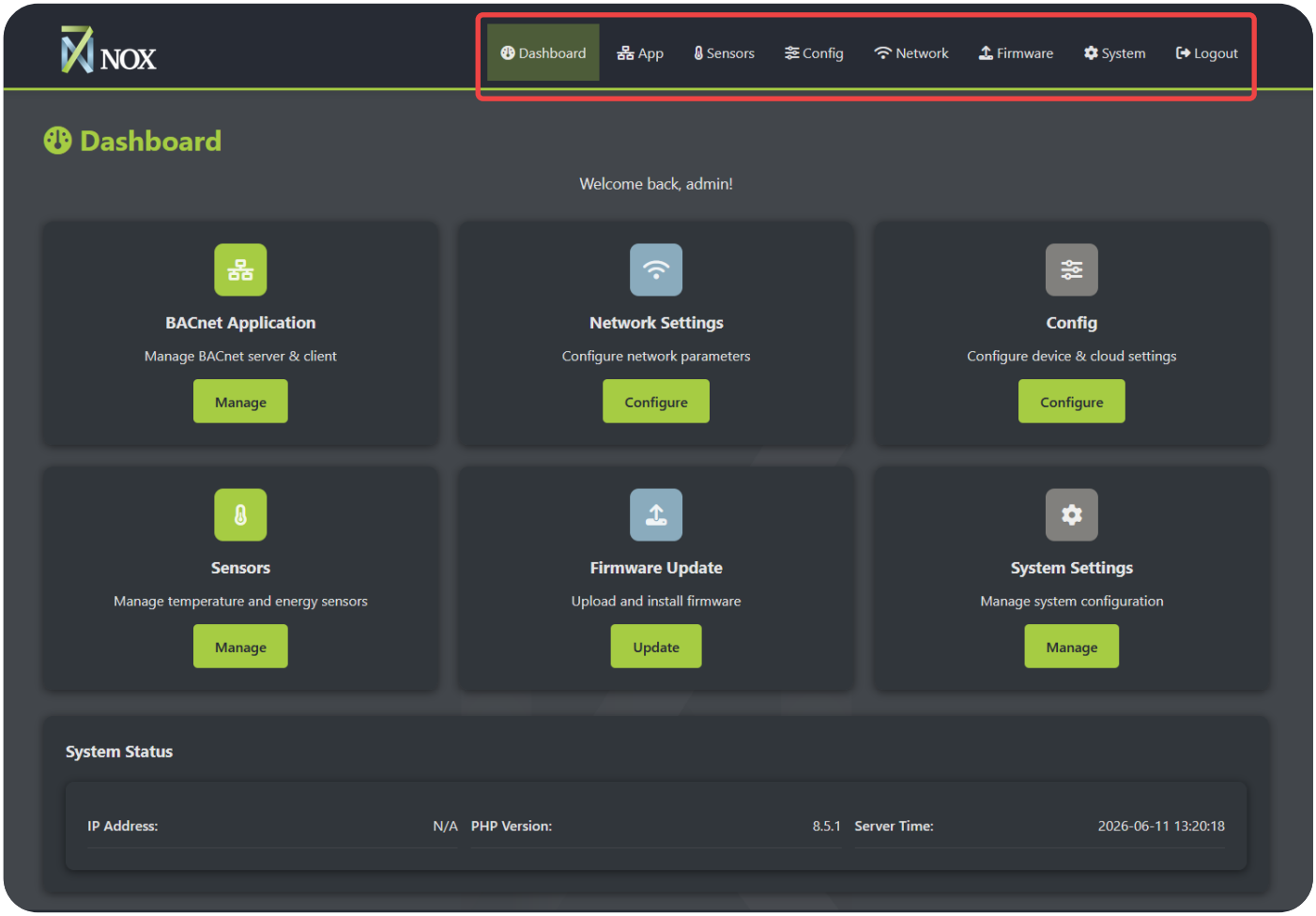
Username: **admin**
Password: **7Nox_SiteDevice**

Site Device Dashboard

Once logged into the Site Device, you will be greated with the main Dashboard and several section tabs including:

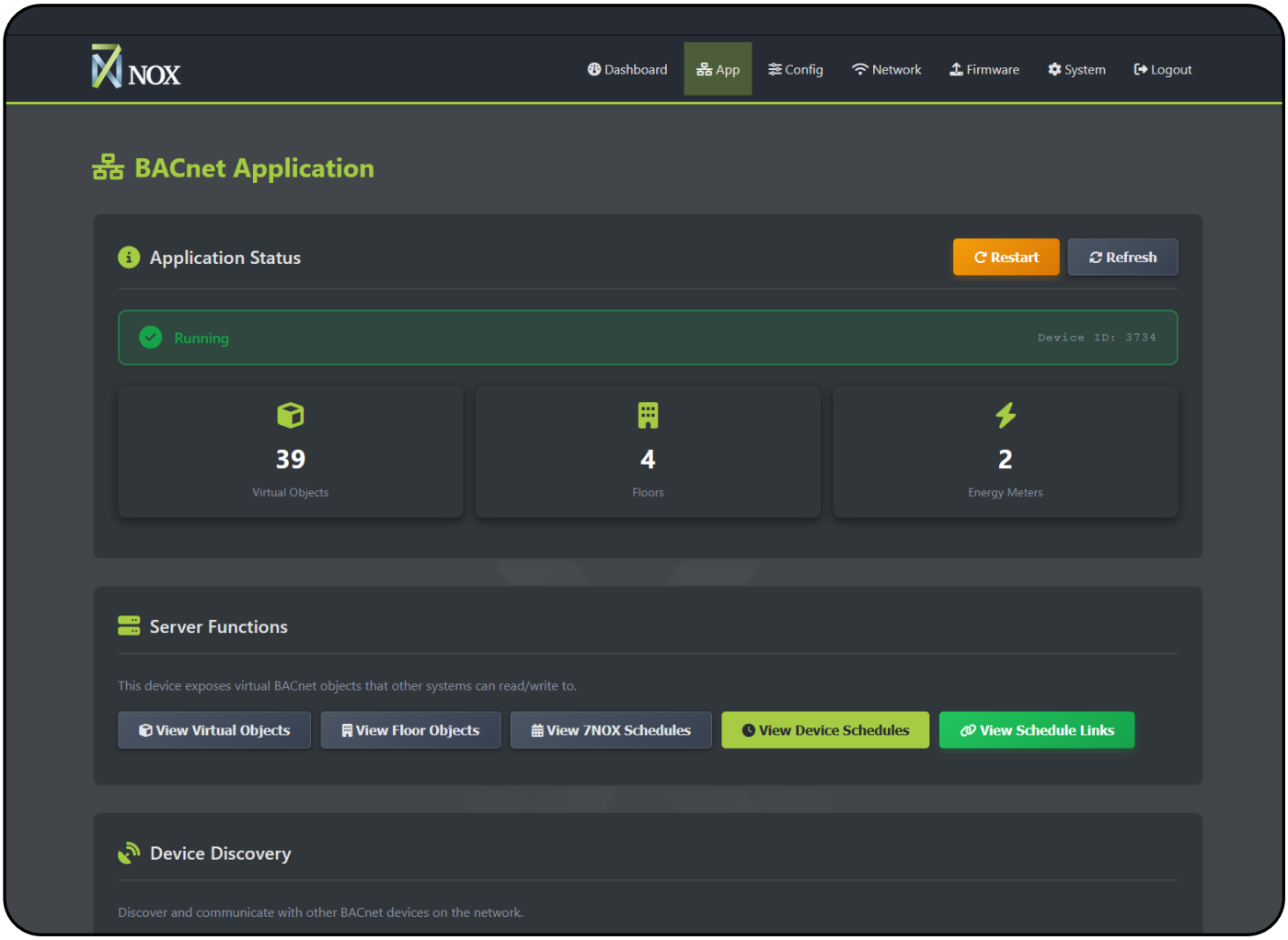
- **App**
- **Config**
- **Network**
- **Firmware**
- **System**

Use each section to setup and integrate your Site Device.



App

The App section is the management page for the Site Device BACnet application. You can view the device's virtual objects, either as a list or organized by floor, view the 7NOX schedule objects or the schedules of a target device as well as the mappings/links from the 7NOX schedules to the target device schedules.

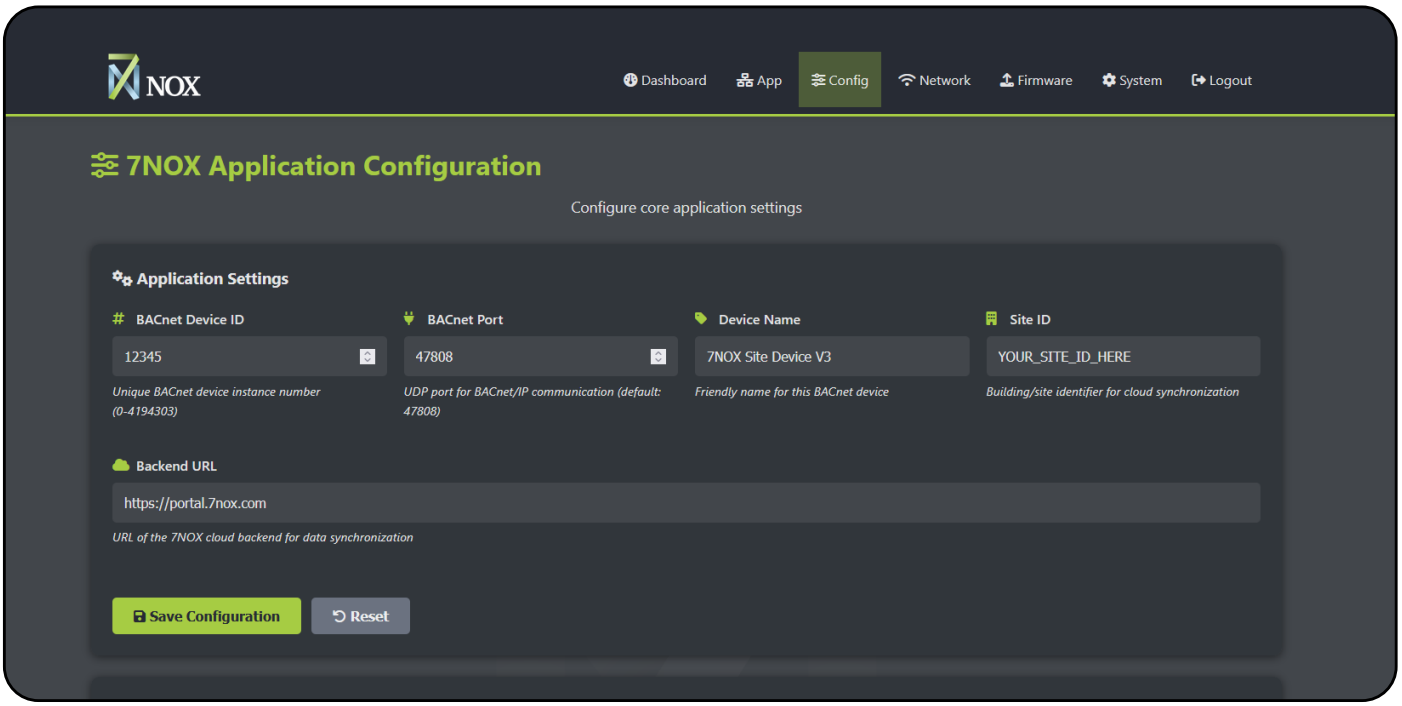


Config

In the **Config** section, you will find the following settings:

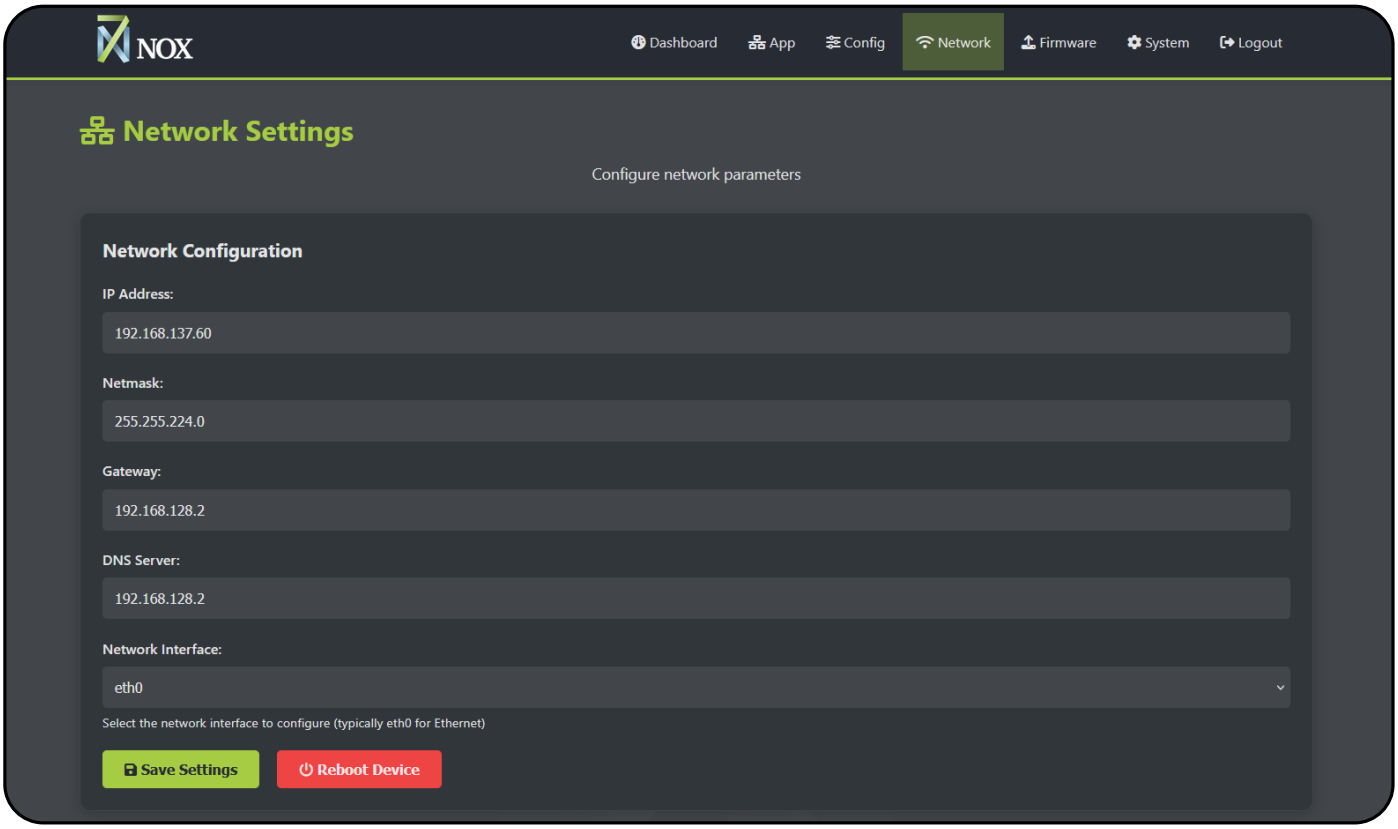
- **BACnet Device ID**
- **BACnet Port**
- **Device Name**

The 7NOX Site ID and URL are unique to your site, and both will be provided to you at the time of activation. Enter both in the “Site ID” and “URL” fields, then hit the “Save Configurations” button



Network

Use the **Network** section to set static IP configurations. Simply enter your desired settings for IP address, subnet mask, gateway, and DNS. Hit the “Save Settings” button. To apply these settings to a specific network interface, select it from the drop-down list selection, then press the “Reboot Device” button to apply it.

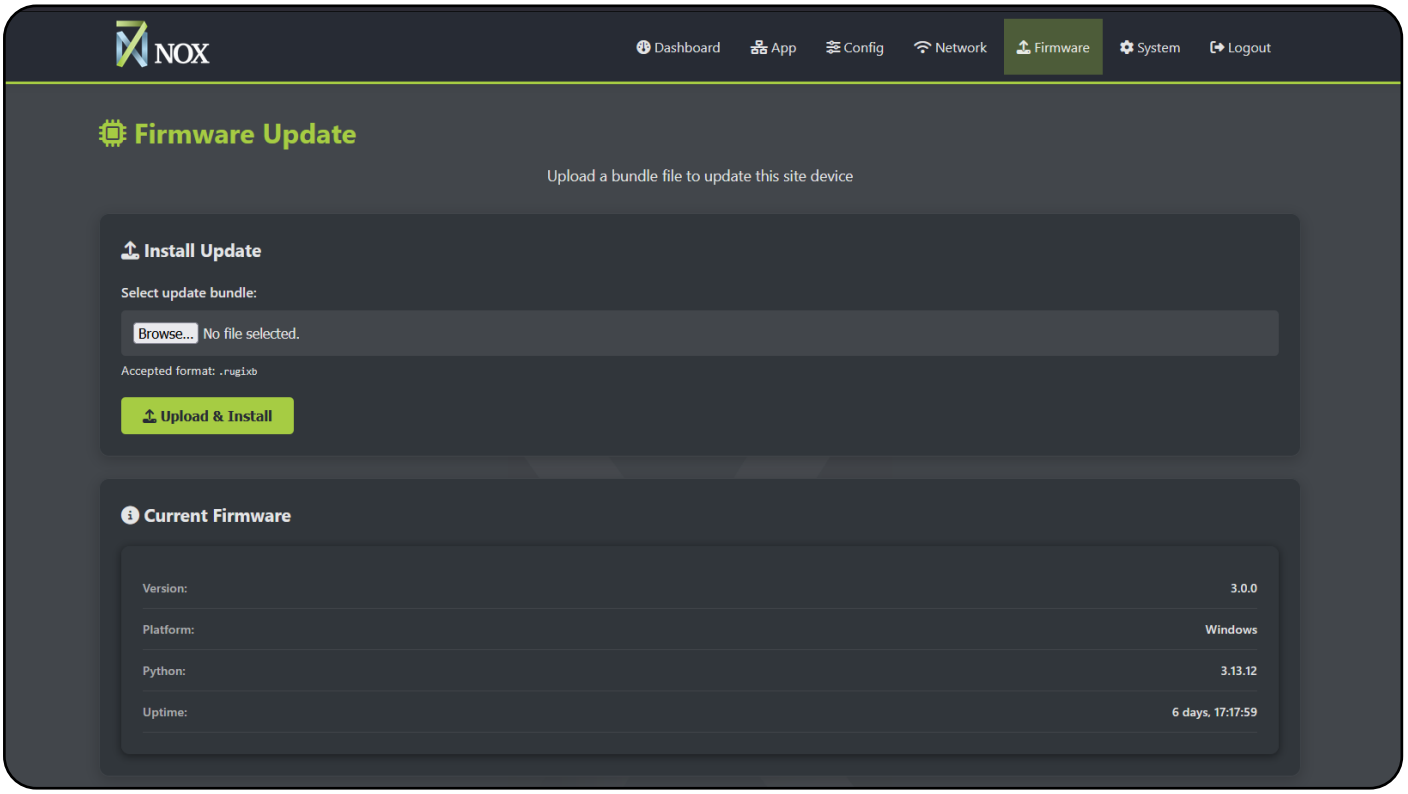


Firmware

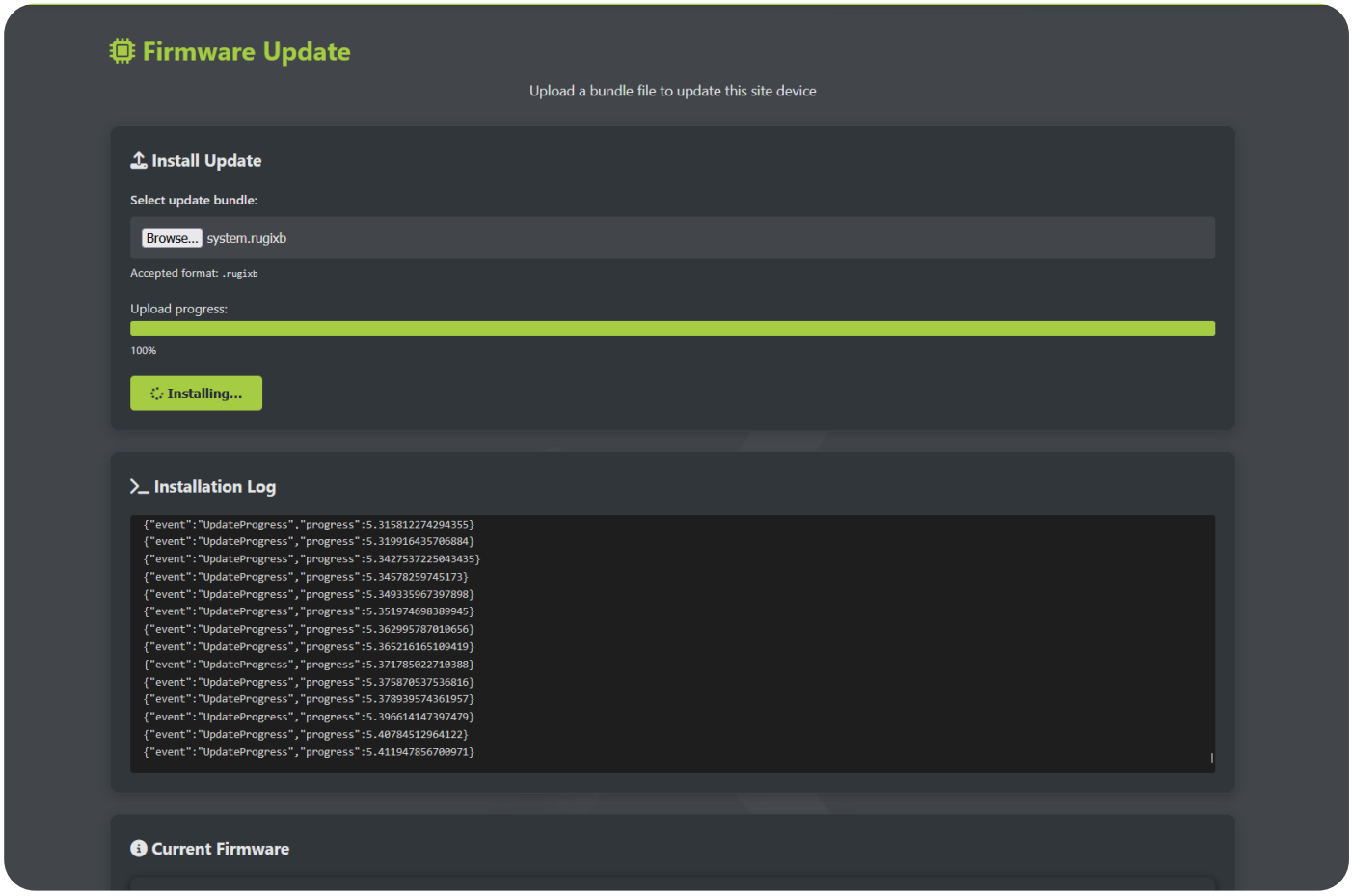
The Firmware tab is the page for managing updates for the Site Device. You can download the latest version of the site device image from the Platform Manager on your portal.



Upload the bundle by selecting a file matching the .rugixb format, and hit the ‘Upload & Install’ button. The progress bar will fill as the bundle is uploaded to the device. Do not navigate away from the firmware page while this is progressing.



Once uploaded, the installation log will record the progress of the installation. Once completed, the device will automatically restart on the new version.



Other Sections

The remaining sections and their funtions include:

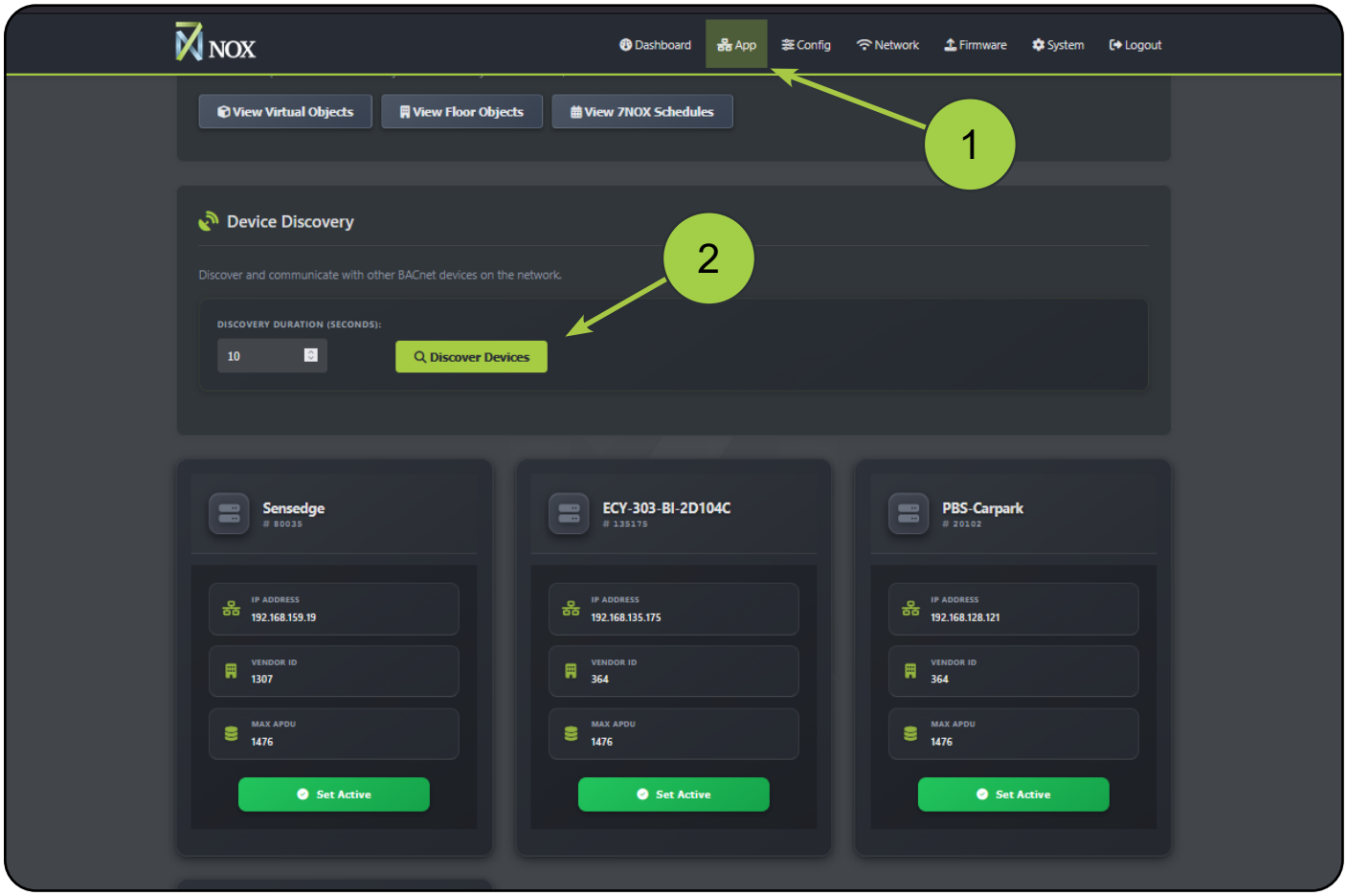
System — Setting time zone, downloading logs, reinit database and passwords

Logout — Sign out of the site device portal.

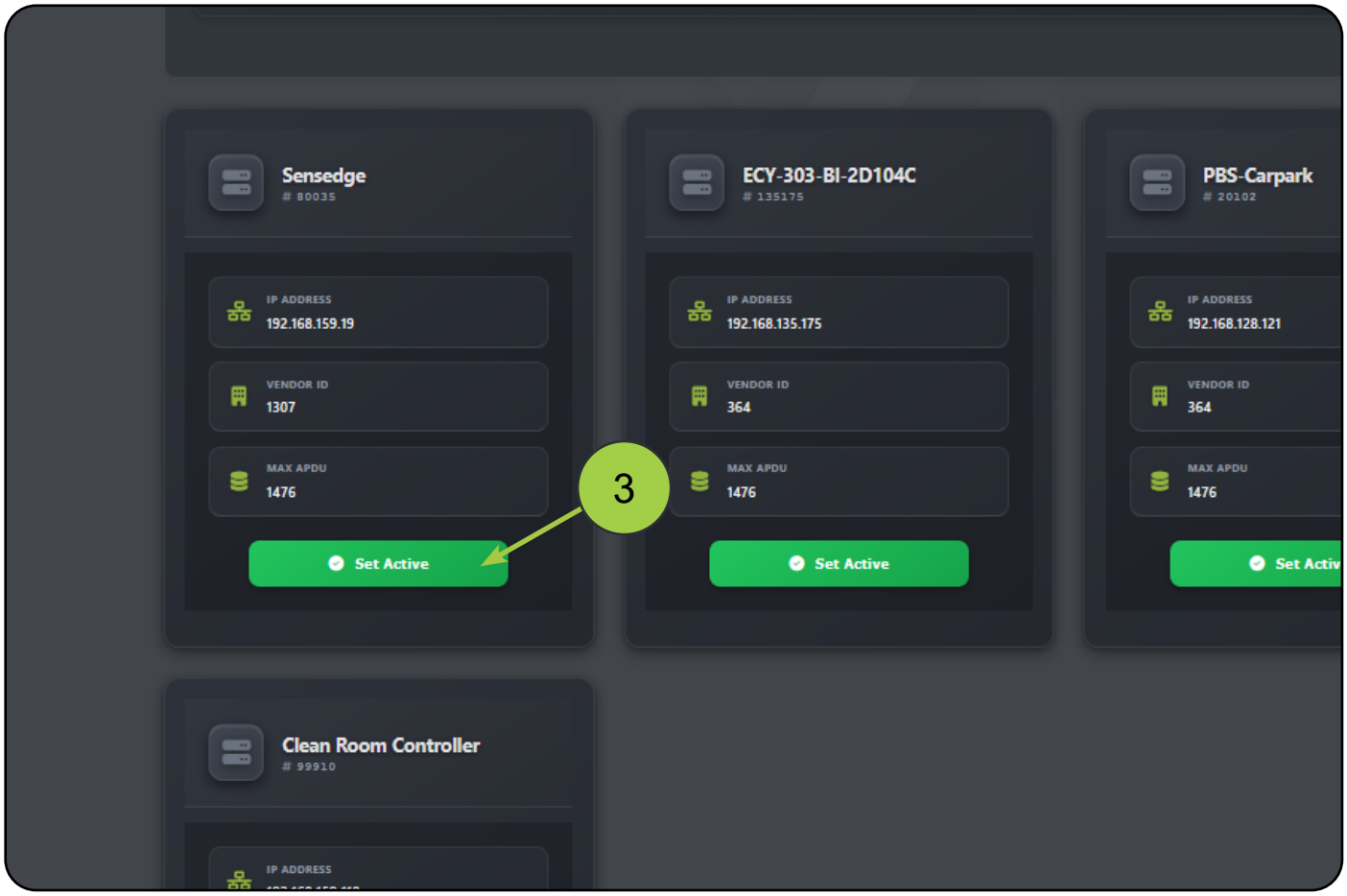
NOTE: You can automatically discover BACnet devices using the device discovery and schedule linking funtion on the Site Device. **If you want to integrate 7NOX using an external program like Niagara Workbench, please go to the "Discovery and Schedule Linking (BMS)" section of this guide.**

Discovery and Schedule Linking **(Site Device)**

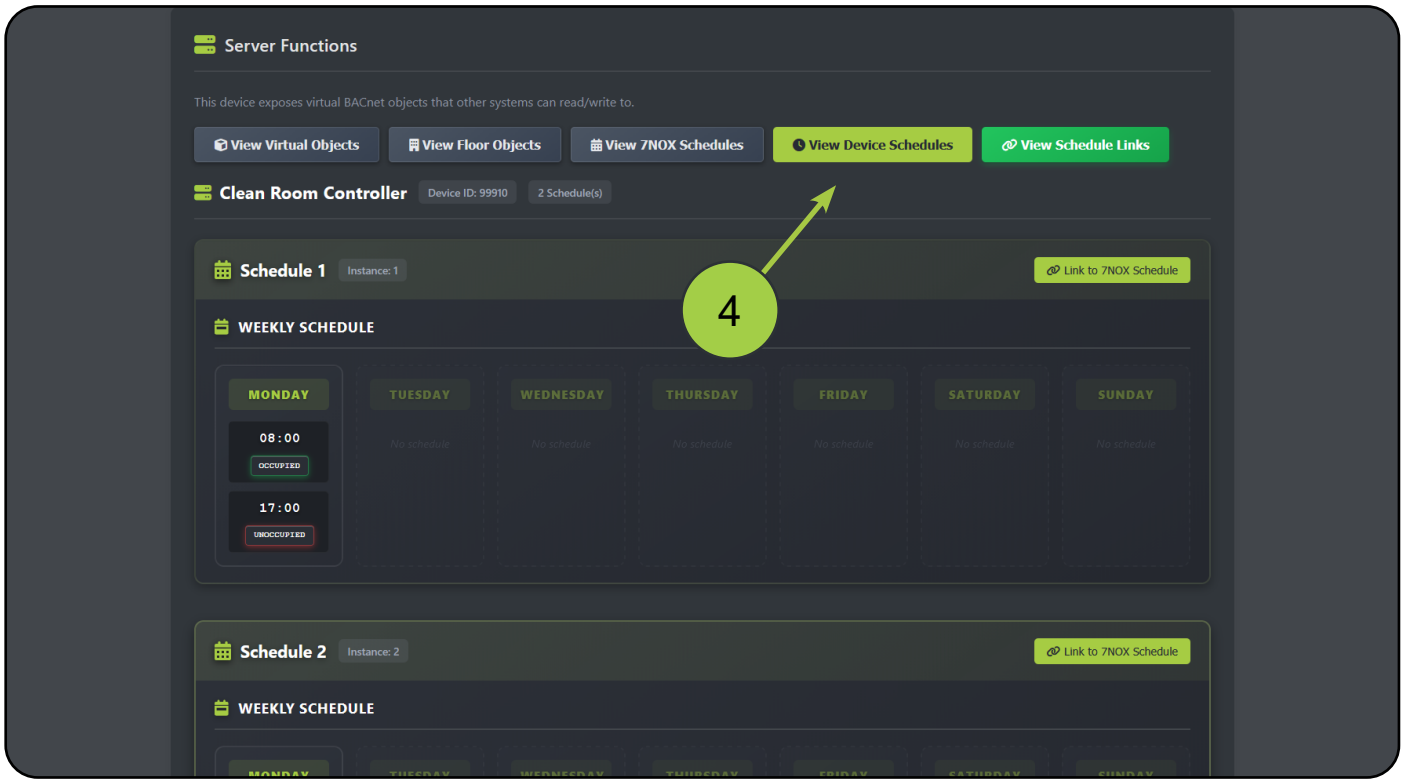
1. Navigate to the App tab.
2. To set a BACnet device on the network as a target, go to device discovery, then press the "Discover Devices" button. If the site device's network settings were configured correctly, you should see cards representing BACnet devices on the network.



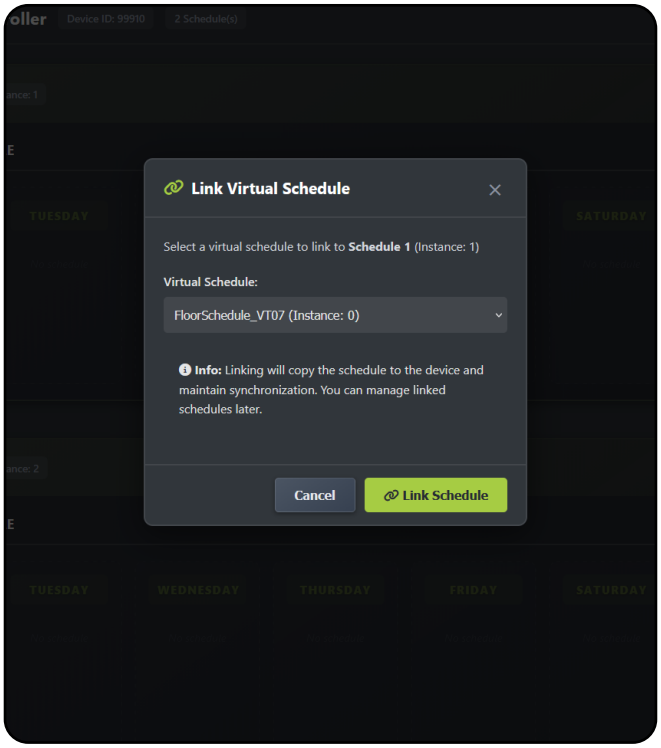
3. Hit the “Set Active” button for the device you want to link schedules. The page will reload when you activate a device.

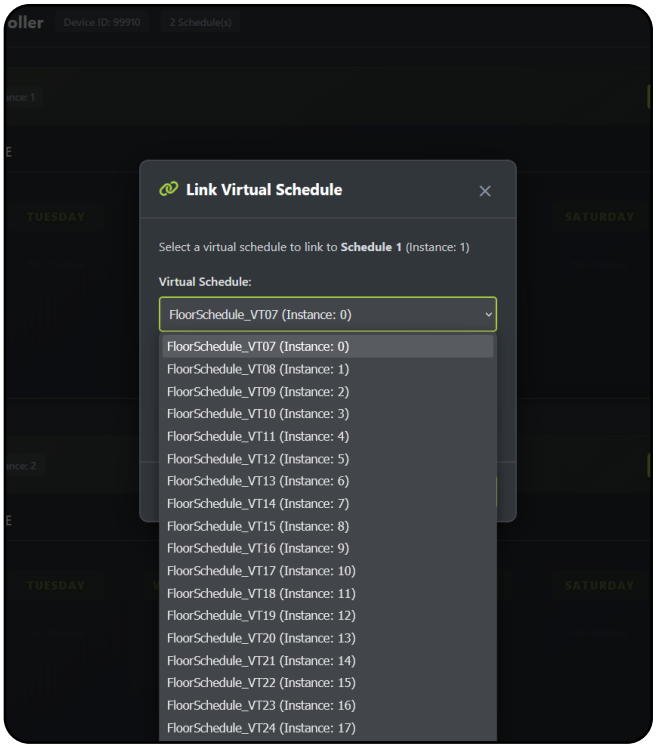


4. Under the “View Device Schedules” tab/button in the “Server Functions” section, select a schedule from the activated device and hit “Link schedule”.

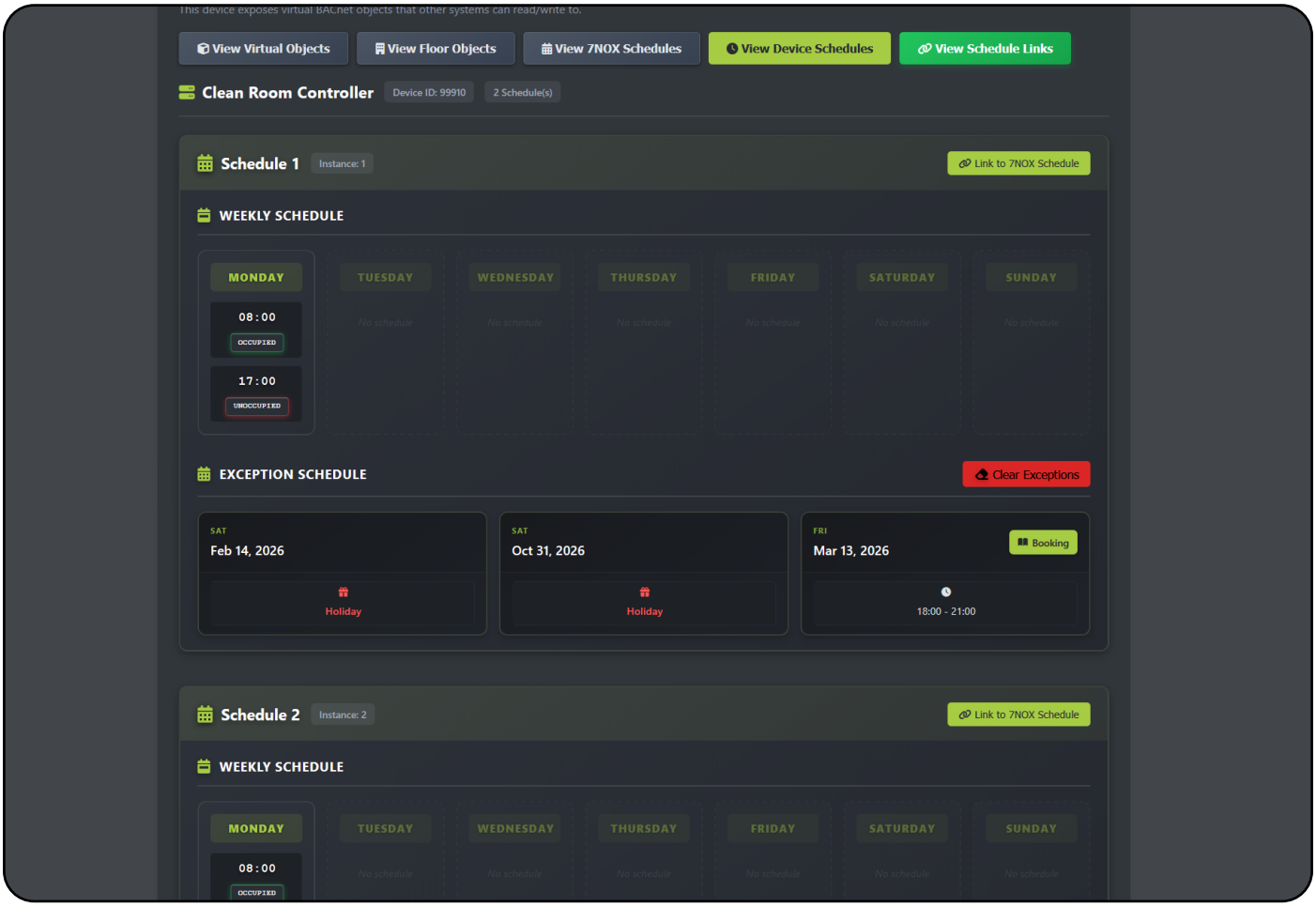


5. You will be presented with a dialog window with a drop-down selector of 7NOX floor schedules. Select the 7NOX floor schedule to link to the activated site schedule. You can view and modify schedule links the “View Schedule Links” tab/button in the “Server Functions” section.

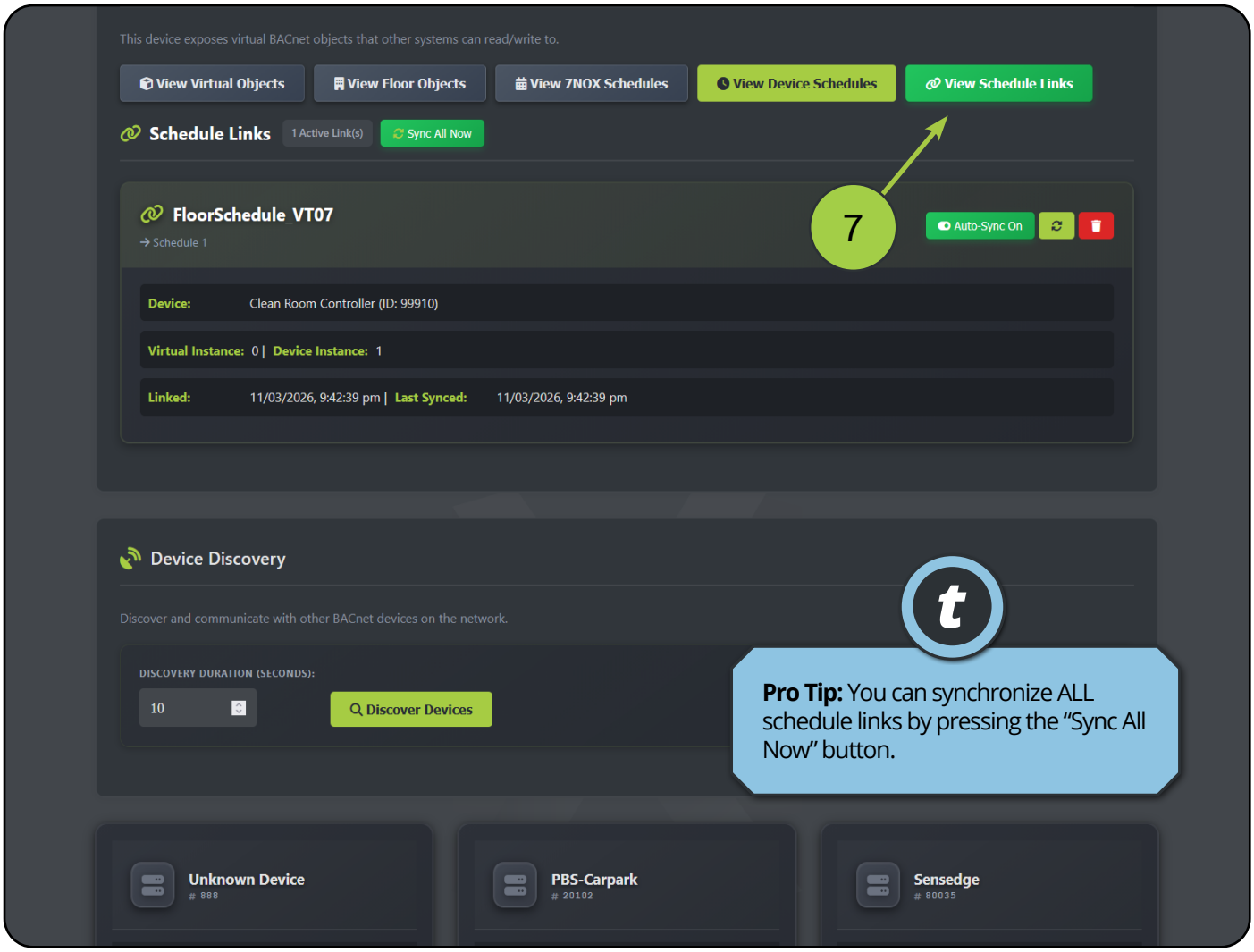




6. You should see the site schedule’s exception schedules be populated with future 7NOX bookings and holidays.



7. If you want to verify the 7NOX schedule is linked to the active site schedule, view your schedule links in “View Schedule Links”.

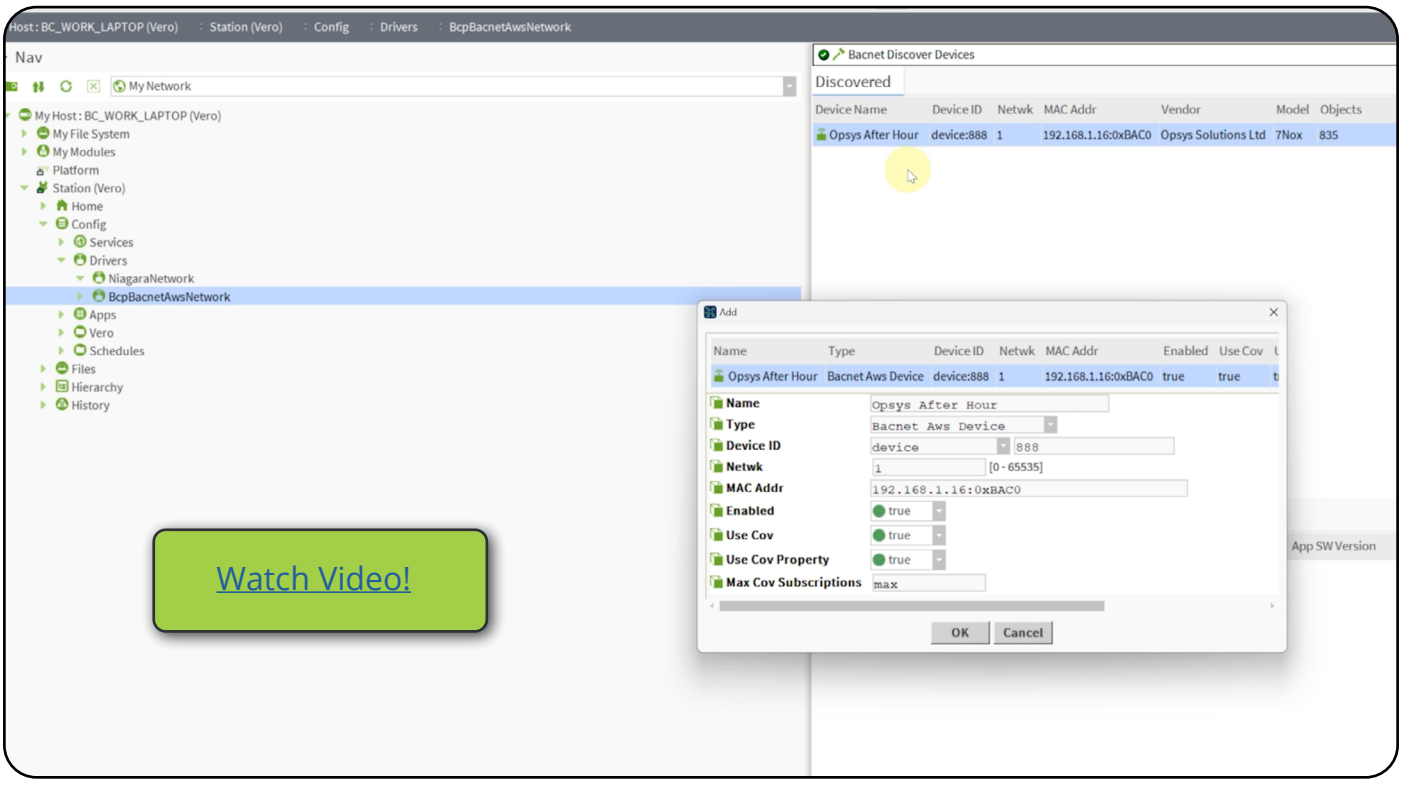


From here, you can manage your individual schedule links and perform actions such as:

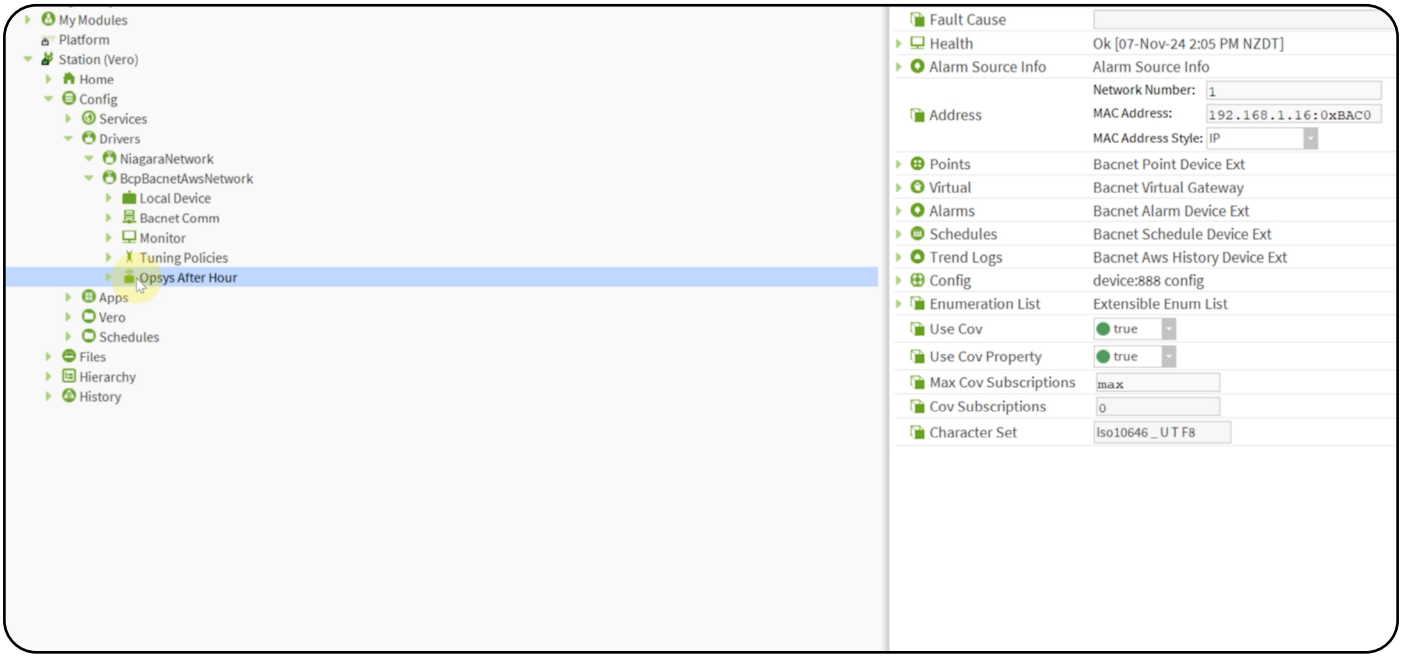
- Activate/deactivate the schedule link
- Synchronize the 7NOX schedule to the device schedule via button press
- Deleting a schedule link

Discovery & Schedule Linking **(BMS)**

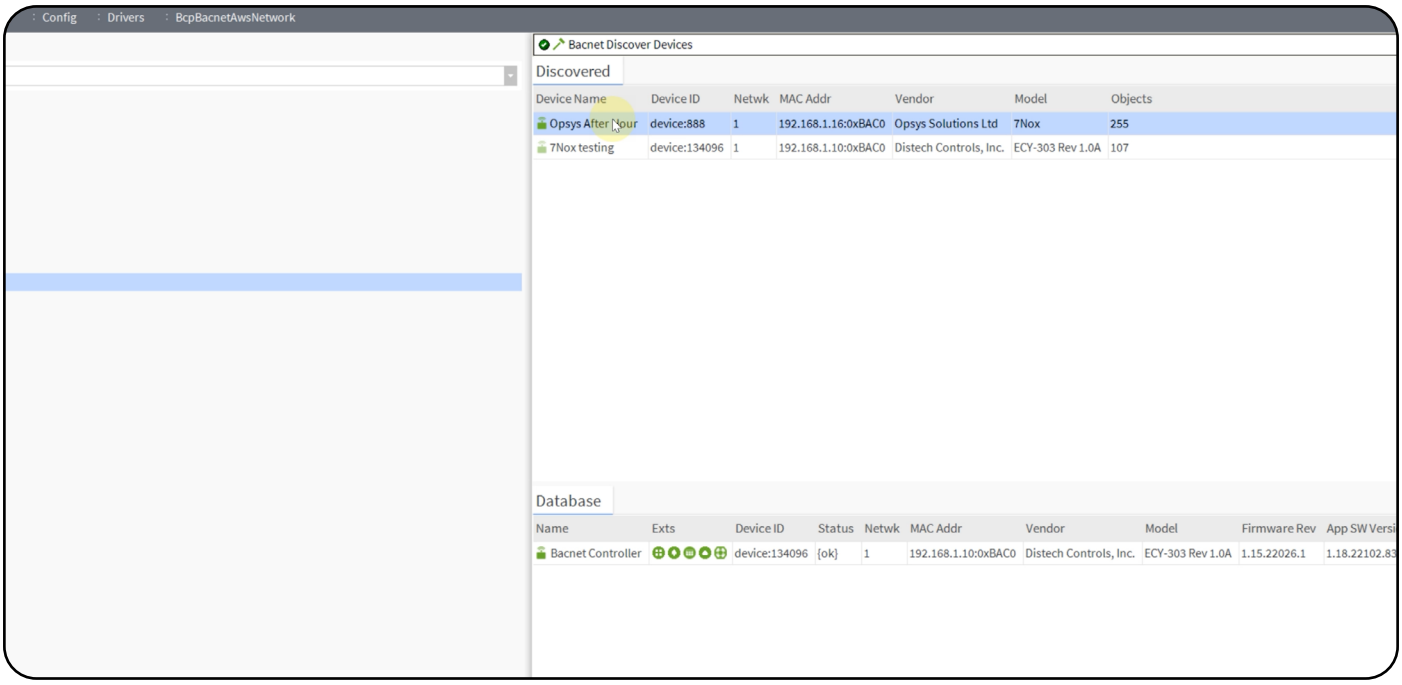
1. After configuring and rebooting your Site Device, you can now open your BACnet discovery tool. The example below uses Niagara Workbench.
2. Begin by clicking on the BACnet network under drivers in the navigation tree. Once the page has loaded, click on Discover.



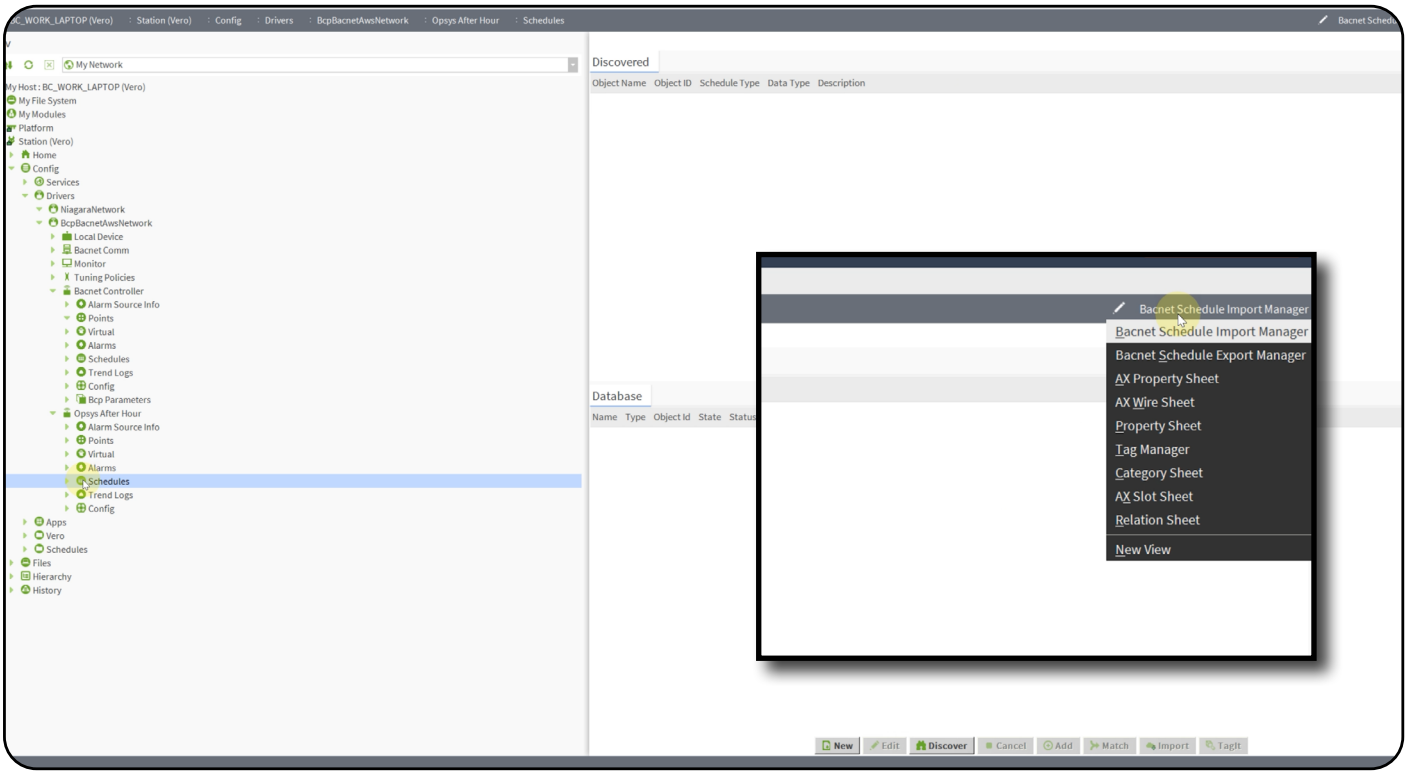
3. Once the discovery has finished, you will see the **OpSys After Hours device** appear in the discovered devices window. Select the device and add it. Once added, it will appear under the navigation window.



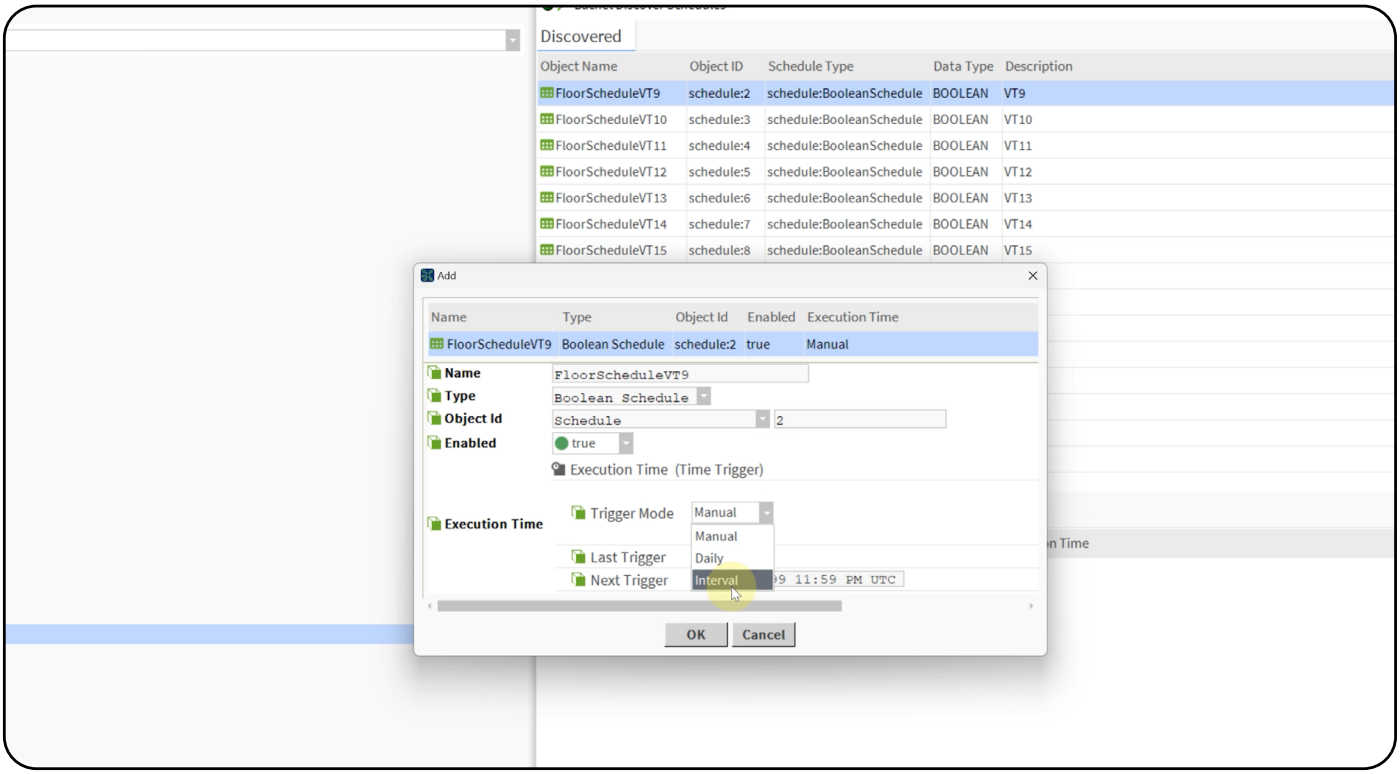
4. Click on the BACnet Network and select **Discover**. Once the 7NOX Site Device appears, add it to your network.



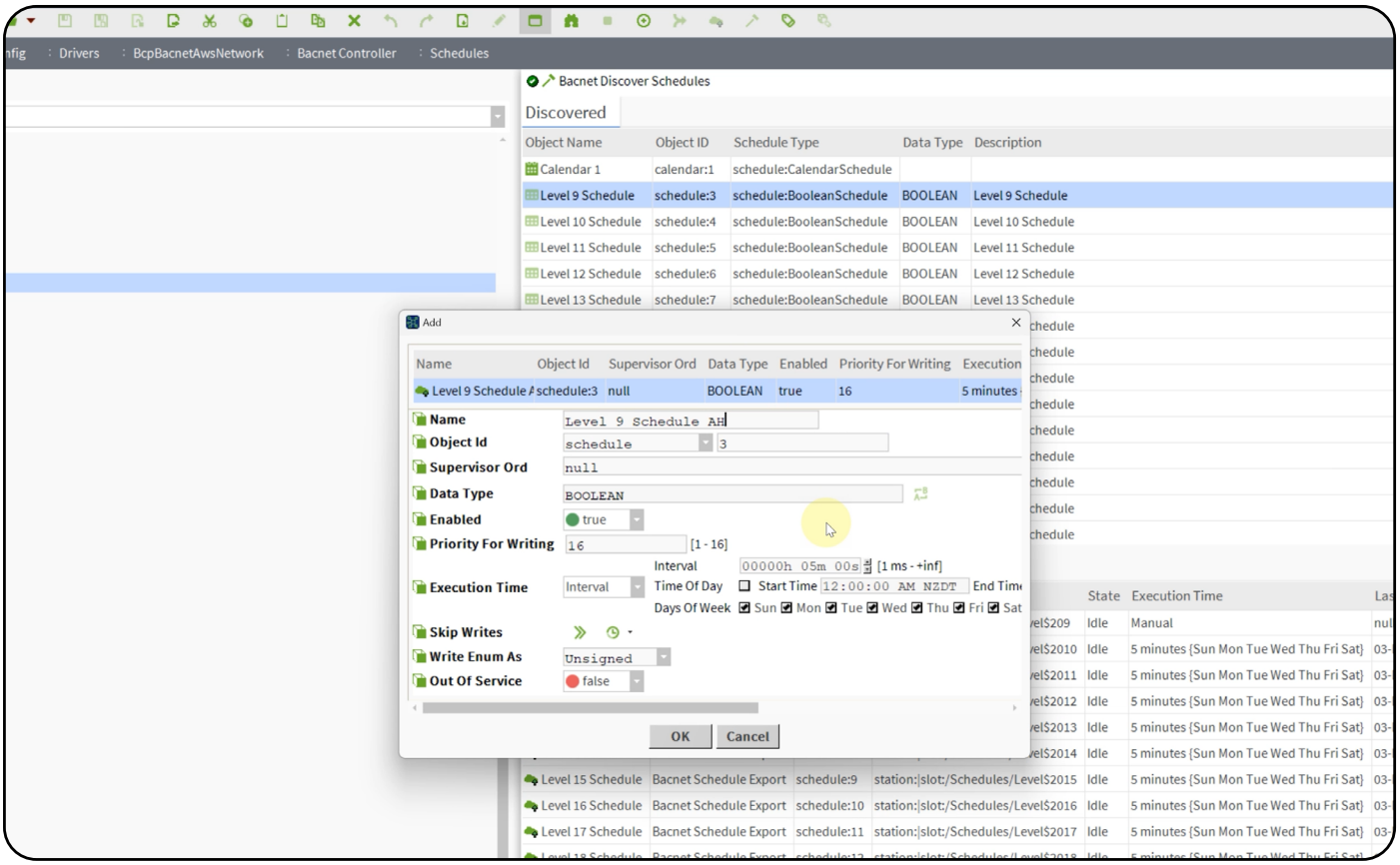
5. Open the 7NOX Site Device and go to the **Schedules** section.
6. Select **Schedule Import Manager** and click **Discover**.



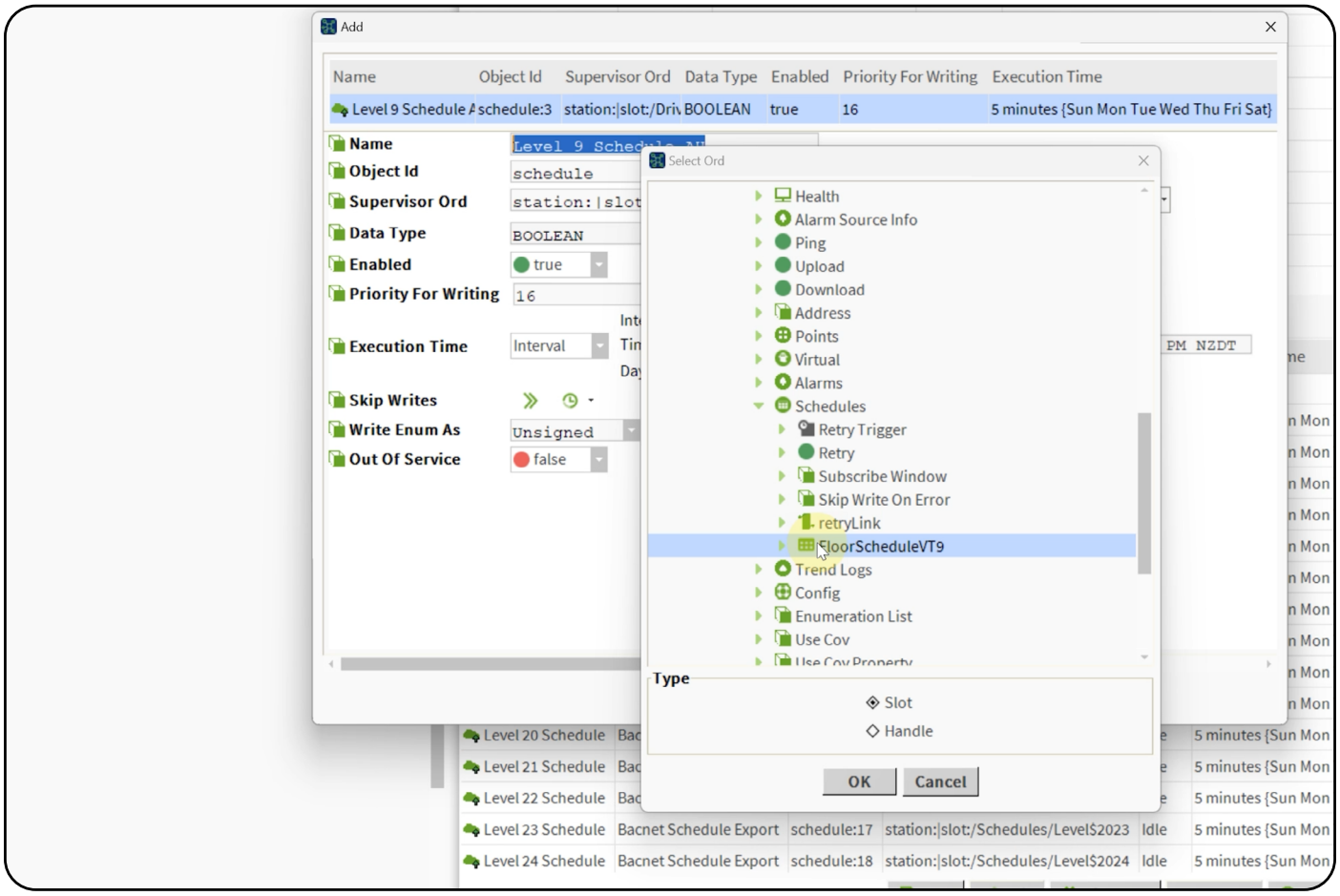
7. Open the schedule, change the trigger mode from **Manual** to **Interval** and click '**OK**.'



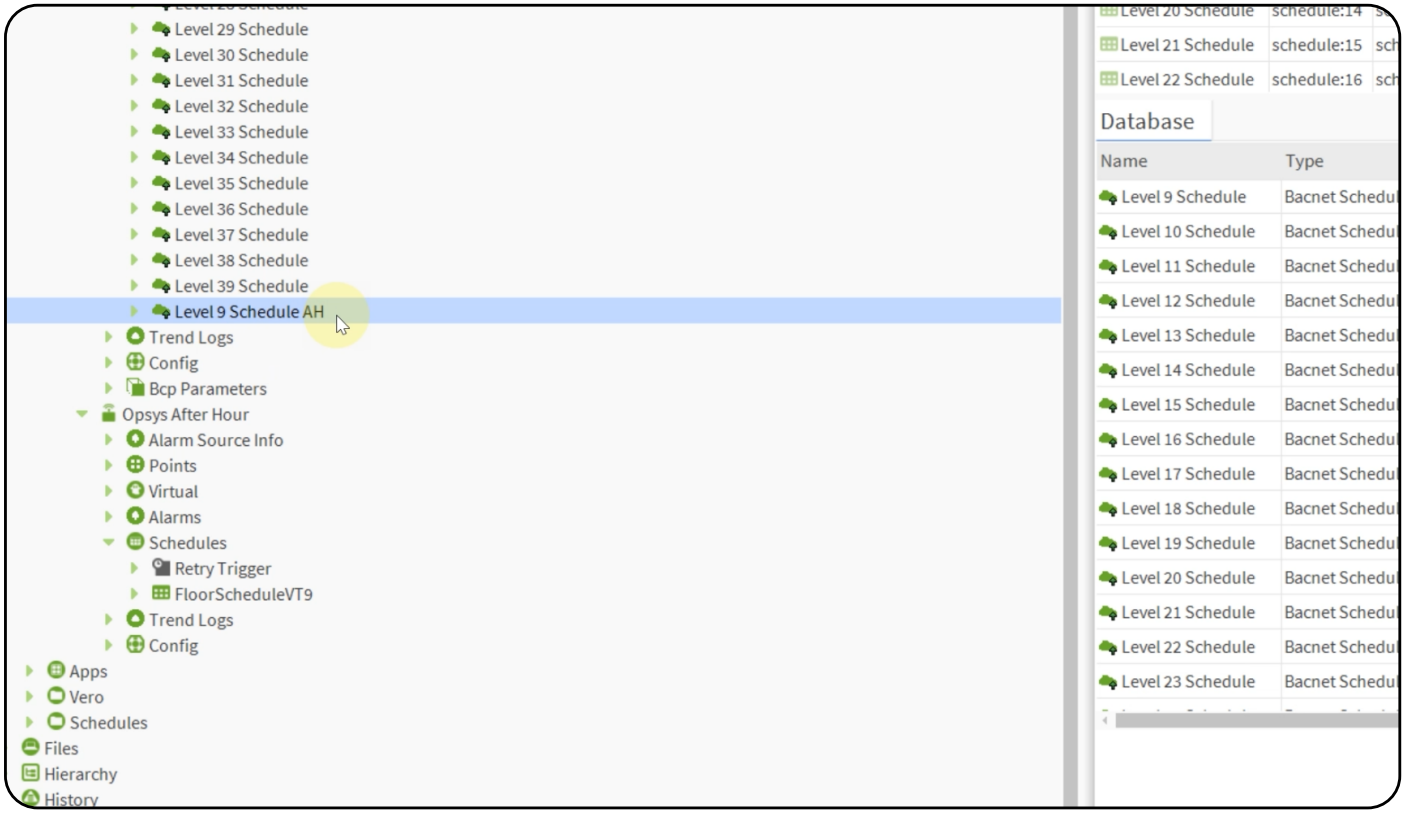
8. Return to the **BACnet schedules** and open the **Schedule Export Manager.**
9. Click **Discover** to find your schedule.
10. Choose your level (e.g., *Level 9 Schedule*), and **rename it** (e.g., *Level 9 Schedule AH*). Renaming ensures no conflicts with other schedules.



11. Set the **Supervisor ORD** to match the new schedule. This links the Supervisor to the 7NOX system. You should now see your unique after hours schedule in the BACnet schedules.

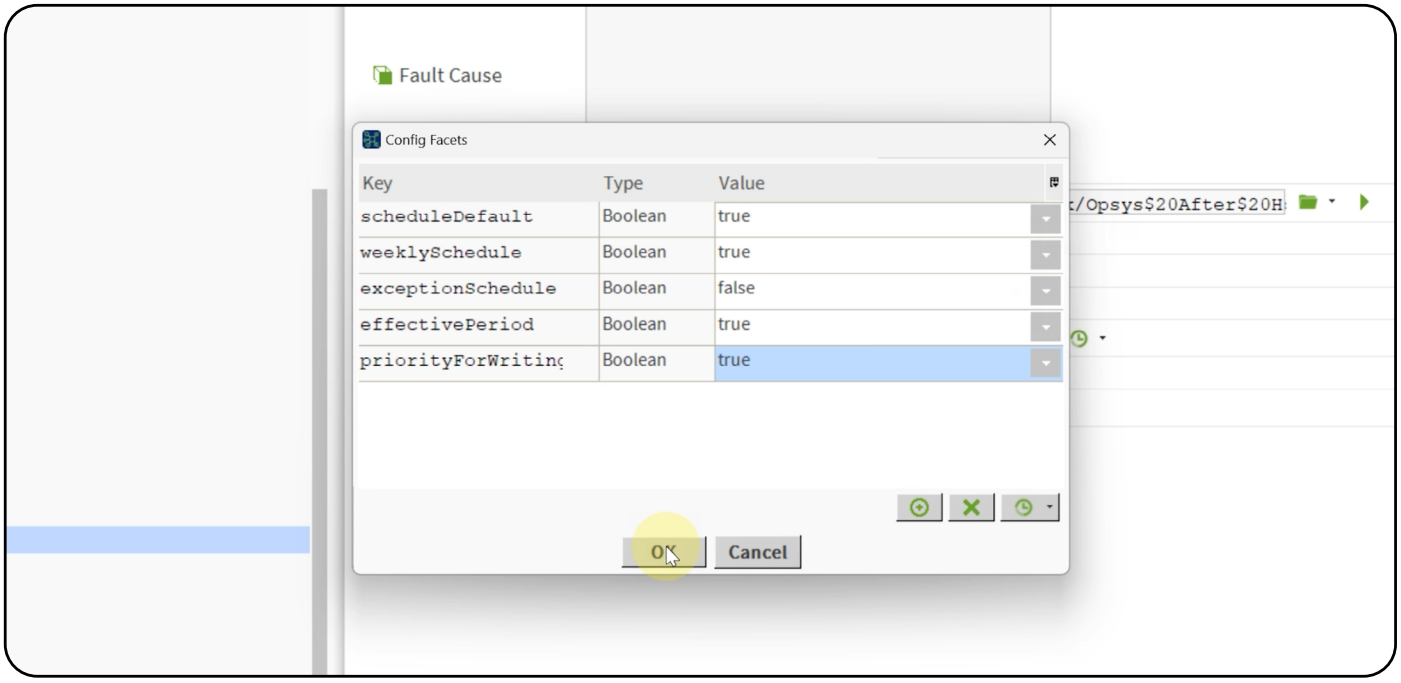


12. You should now see your **unique after hours schedule** in the BACnet schedules.

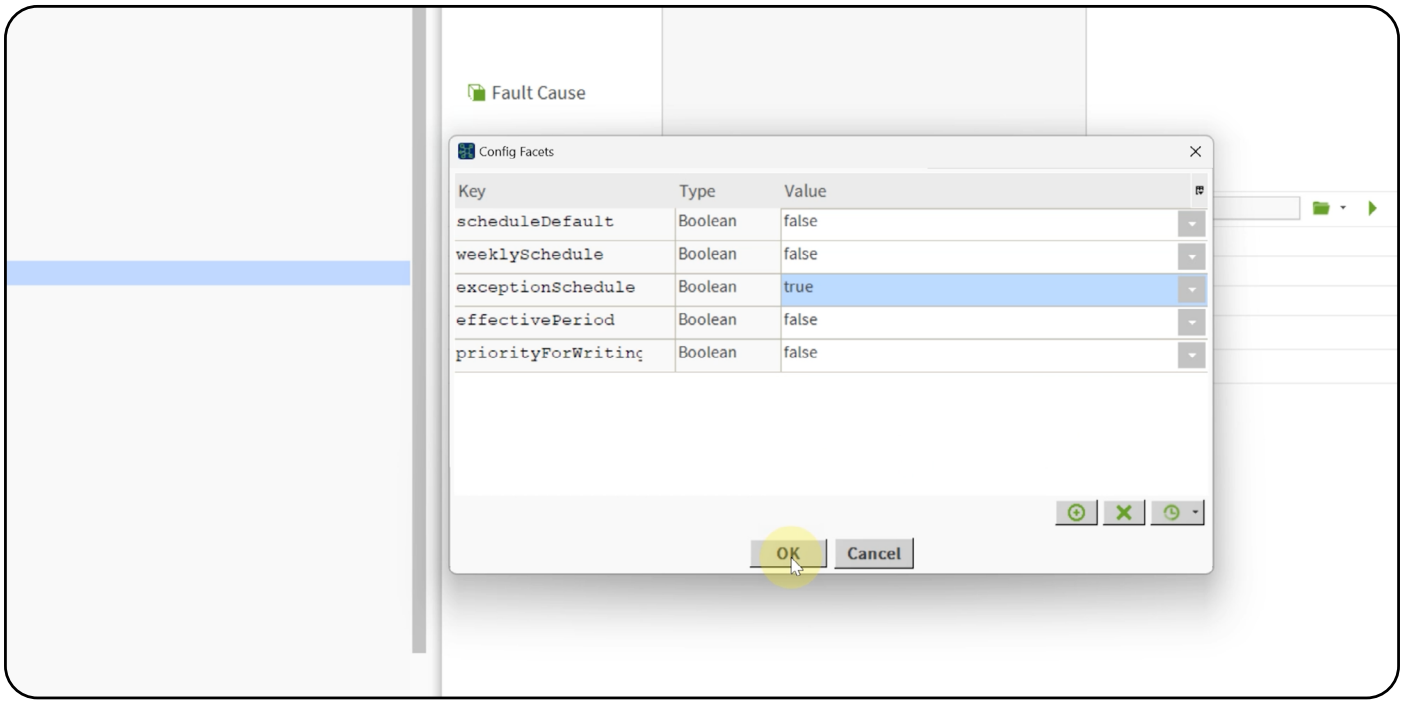


13. Select it and adjust the write priorities to ensure proper control. Set the following:

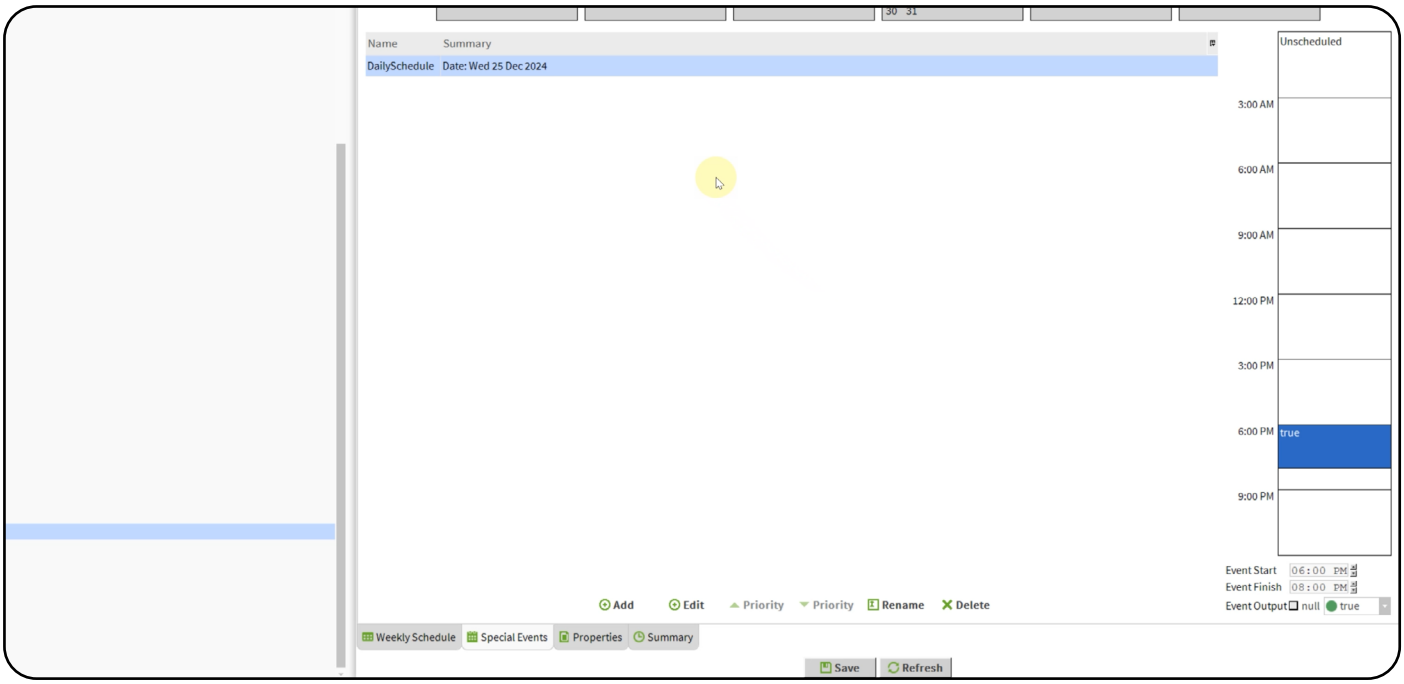
```
scheduleDefault  =  true
weeklySchedule  =  true
effectivePeriod    =  true
priorityForWriting =  true
```



14. Now open the existing schedule and set its ‘exceptionSchedule’ to ‘True.’ This ensures exceptions take priority over the default schedule. Hit the save button.



15. Once the polling interval has fired the trigger, you can check to see if the 7NOX portal bookings are syncing with your schedules. To check, go back to the 7NOX Site Device and open the Special Events tab under schedules.



In the image above, you will see the booking for your level. If everything is showing correctly, your integration is complete.

16. Repeat the same process for all your remaining levels.

Niagara Integration

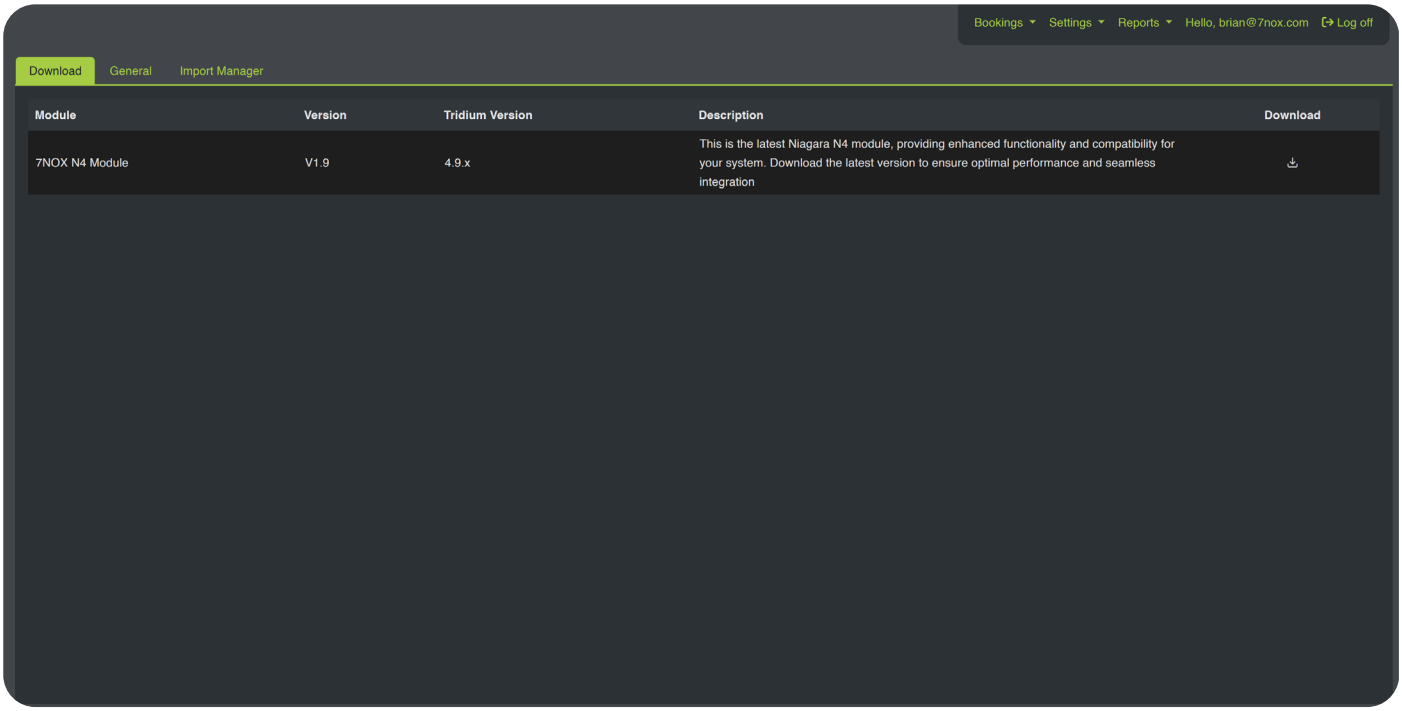
Follow these steps to connect to use the 7NOX Niagara Module to connect to your BMS.

Watch Video!

Install the 7NOX Module

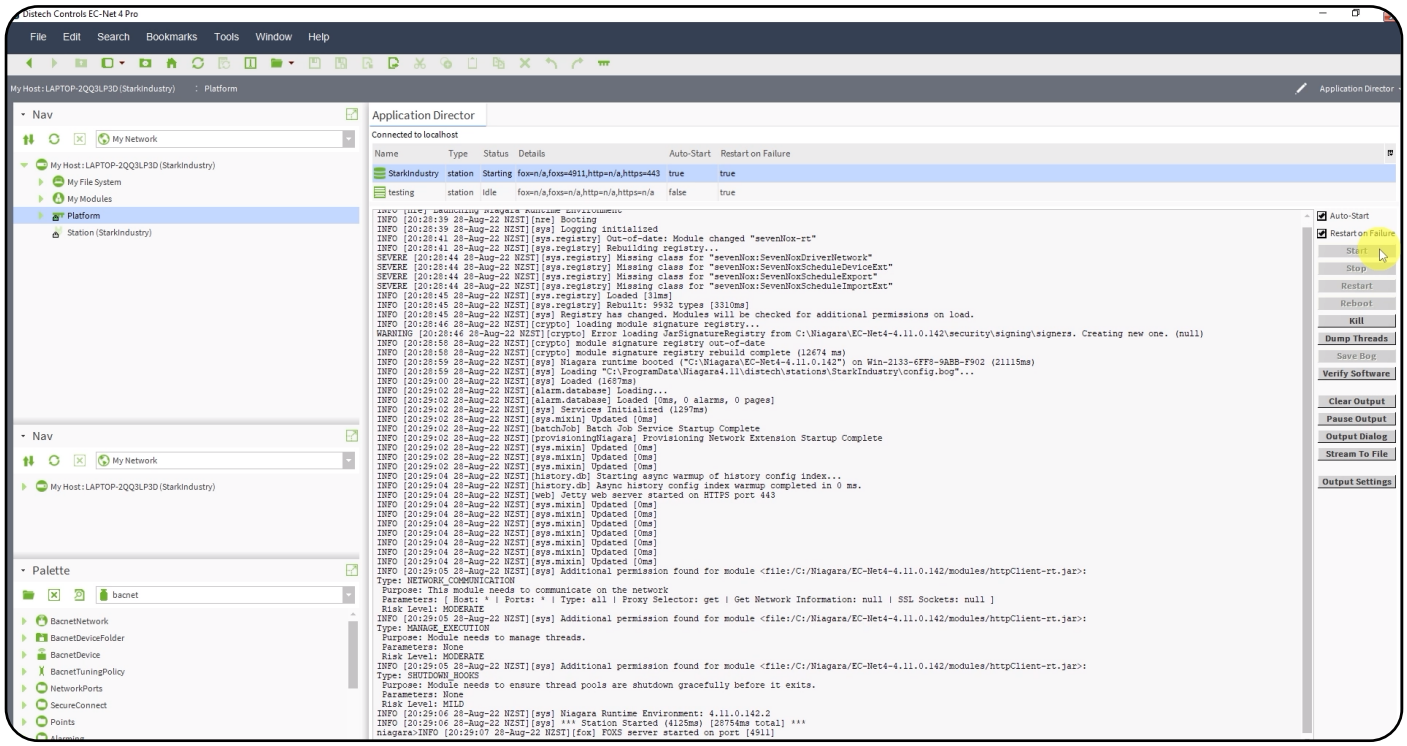
Before you begin, you'll want to **close your Niagara Workbench® supervisory app** and ensure that the station is not running in application director. If it is running, stop it and close Workbench.

1. Login into your 7NOX Portal instance. Navigate to the **Platform Manager** under the settings menu. In the "Download" tab, you find the Niagara Module. Once the module is downloaded, copy and paste the .jar file into the Niagara 4 modules folder. Now, start up Workbench again.



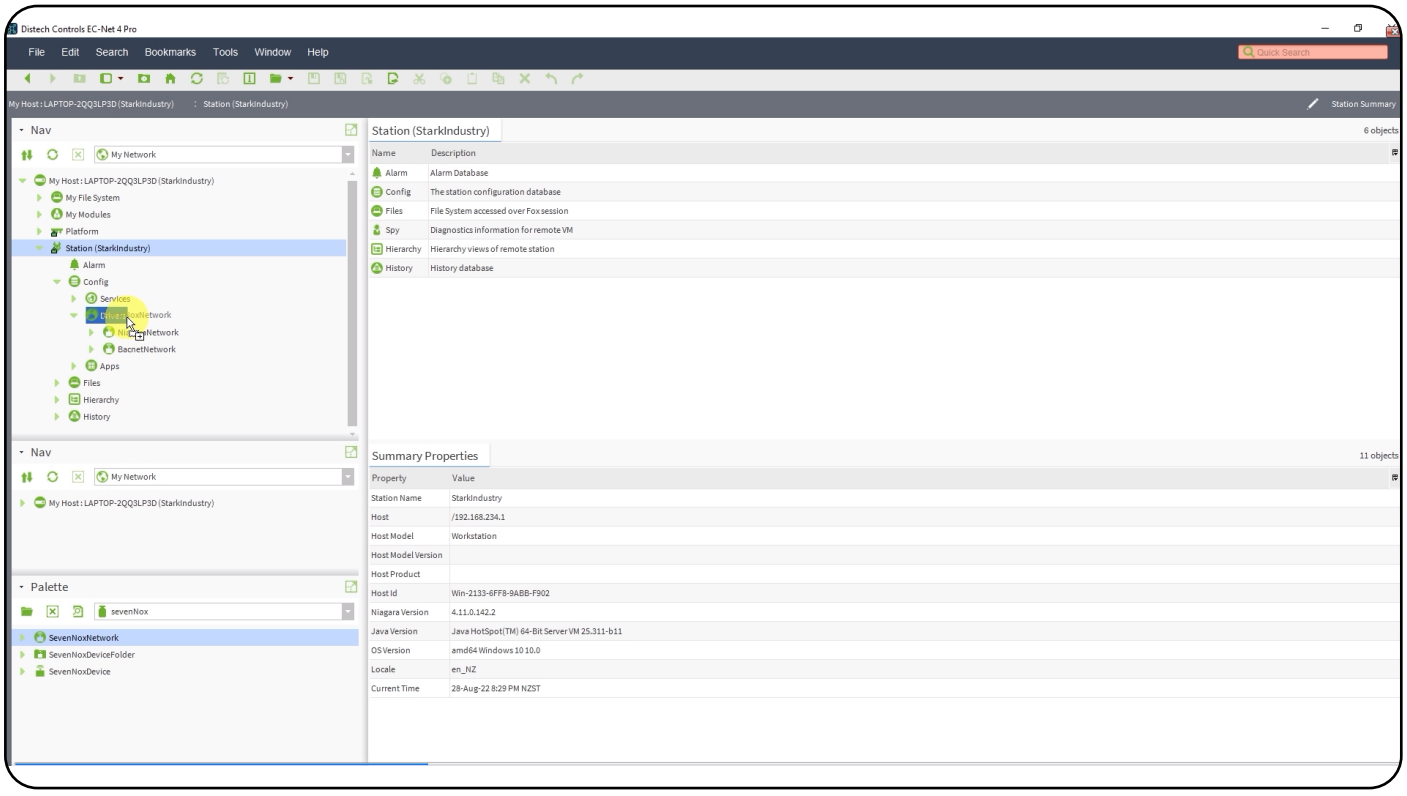
Add 7NOX Network to Niagara Module & Discover Site

1. Start “Station” under Application Director.



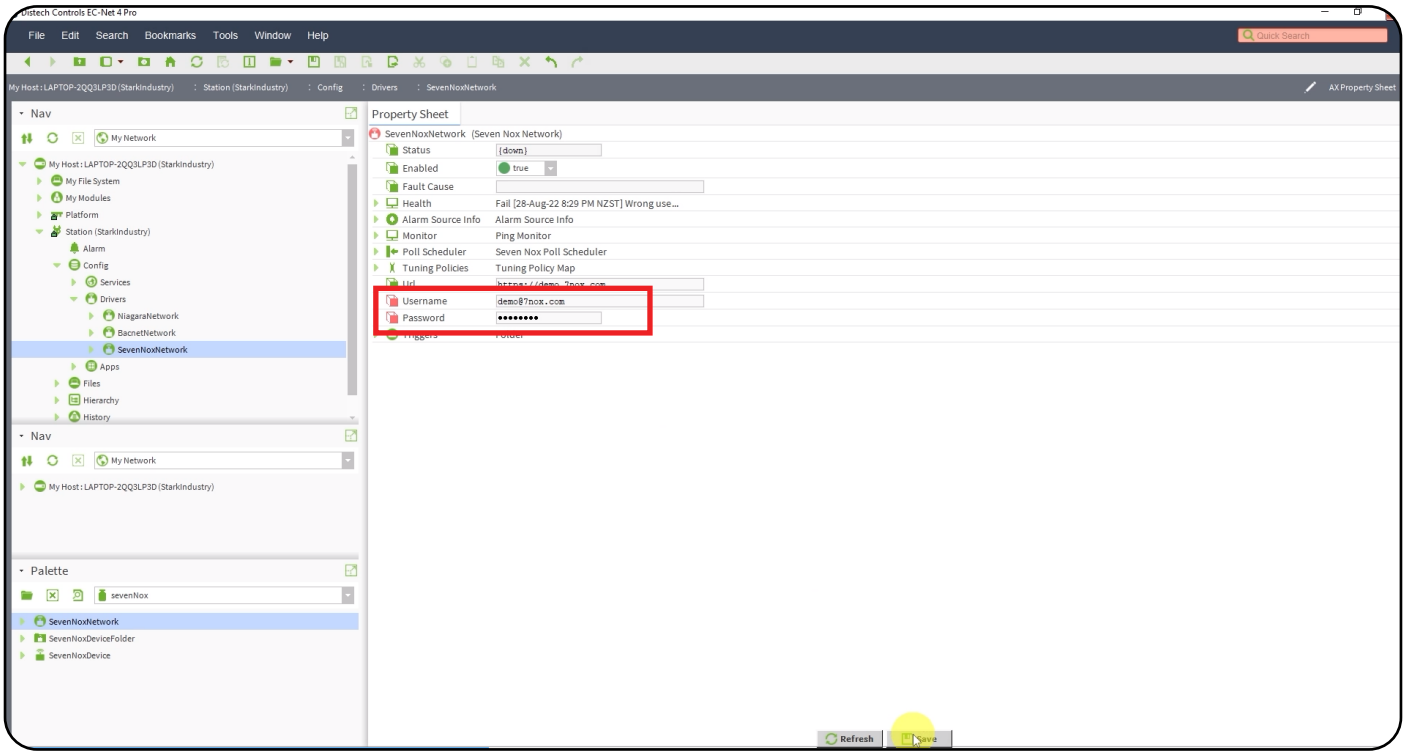
2. Locate the “sevenNox” module in the Palette

3. Drag and drop the **“SevenNoxNetwork”** module into the **“Drivers”** folder (Station -> Config->Drivers).



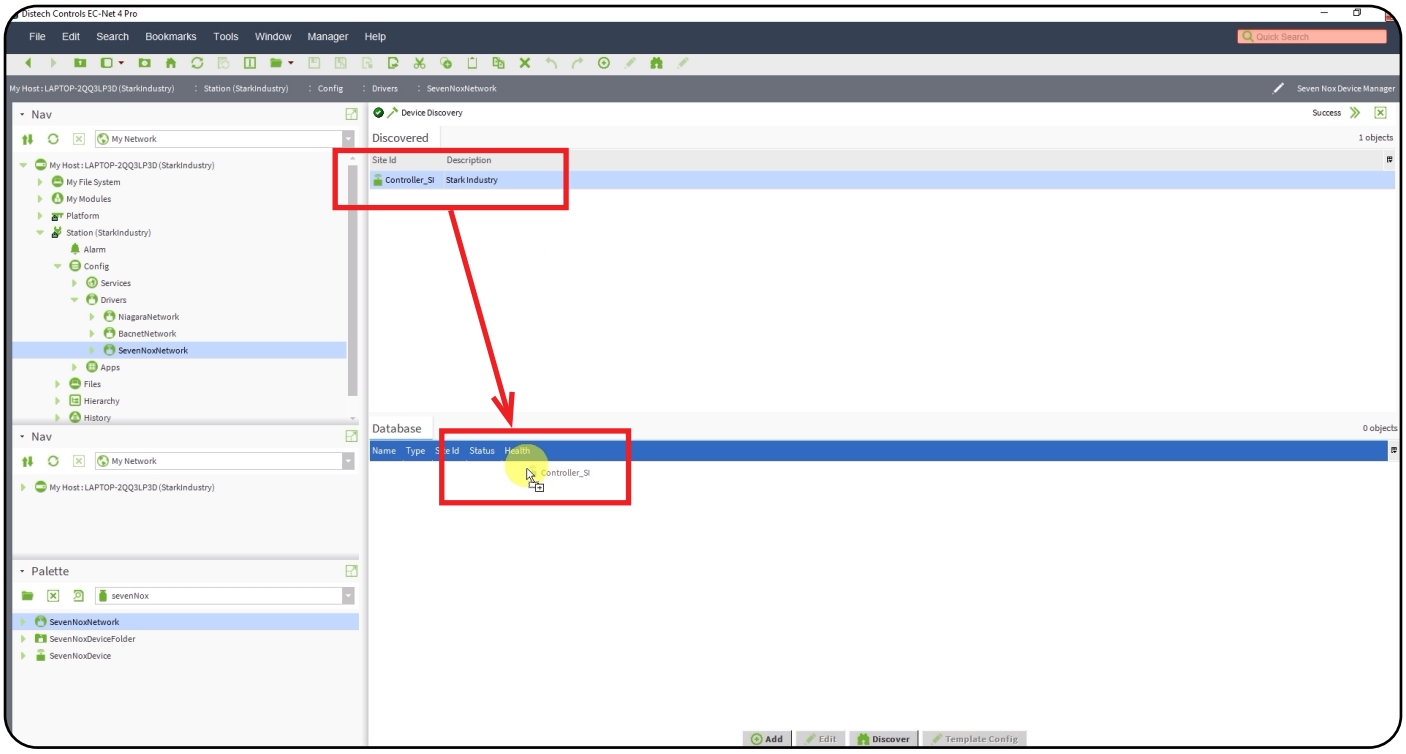
4. **Right click on the “SevenNoxNetwork” module. Under “Views” choose the “AX Property Sheet”.**

5. In the Property Sheet, enter your 7NOX username and password. Hit the “Save” button.



6. Ping the network by right clicking the “SevenNoxNetwork”>Actions>Ping. If correctly configured, the status will show “OK”.

7. Double click on the “SevenNoxNetwork” module. Hit the “Discover” button to discover the control points. Drag and drop the site into the “Database”.

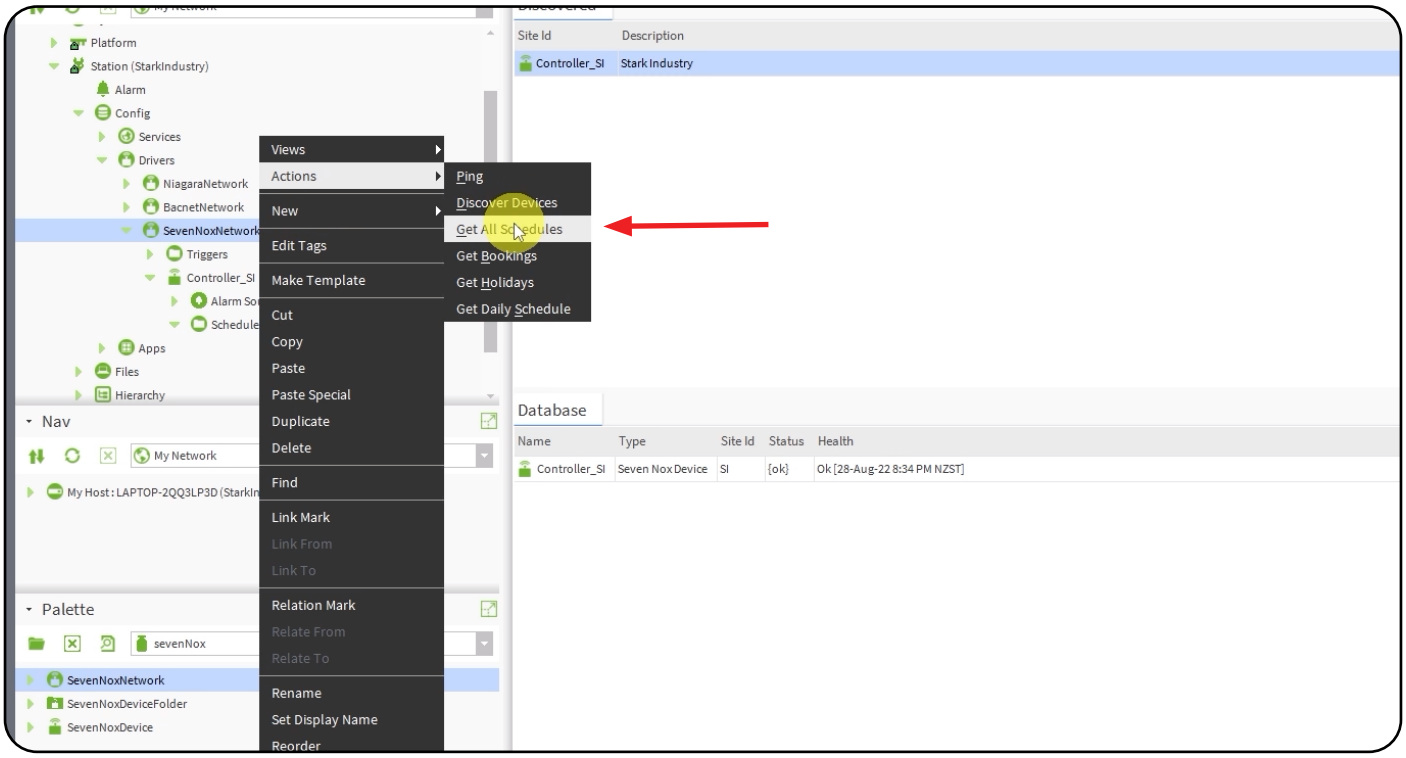


Retrieve Data from 7NOX Using “Get” Functions

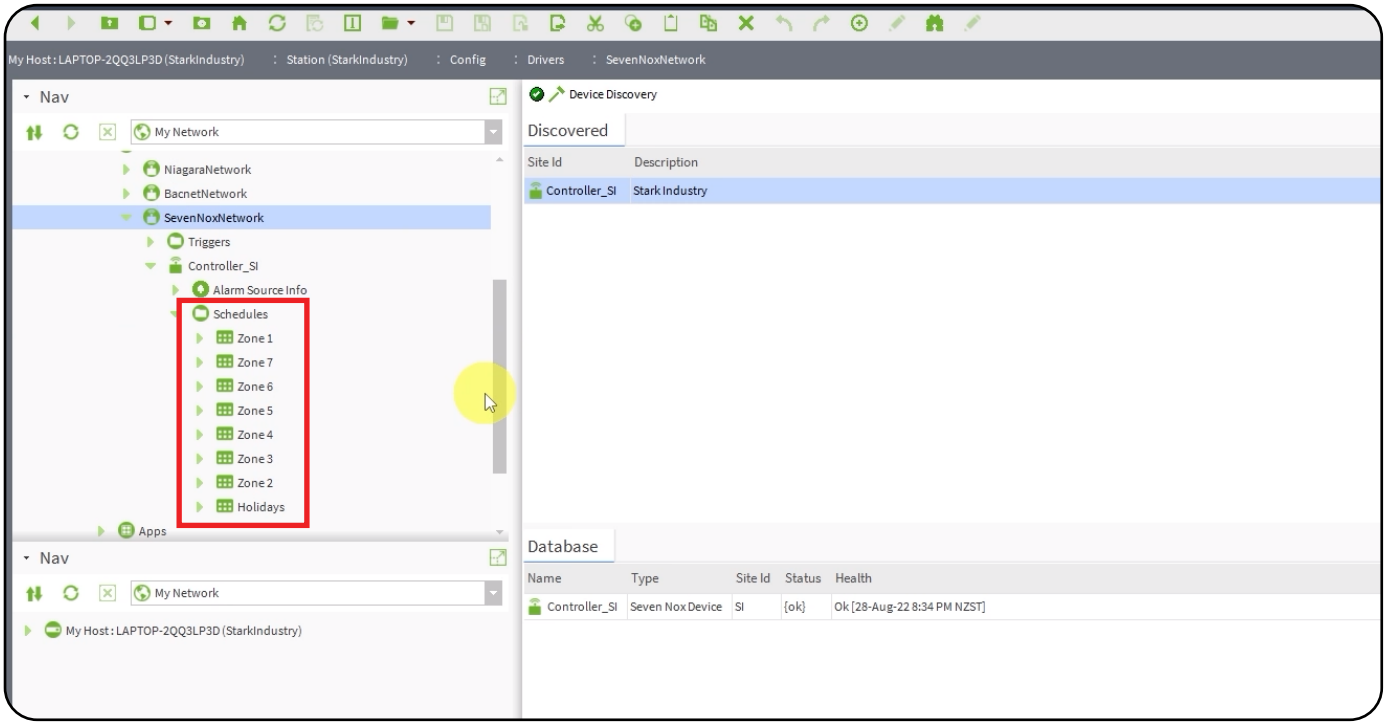
Right clicking on the “SevenNox” module and choosing the “Actions” menu will reveal four different “Get” functions for retrieving data from the 7NOX platform.

Get All Schedules

The “Get All Schedules” function will retrieve data from the 7NOX Floor Manager.

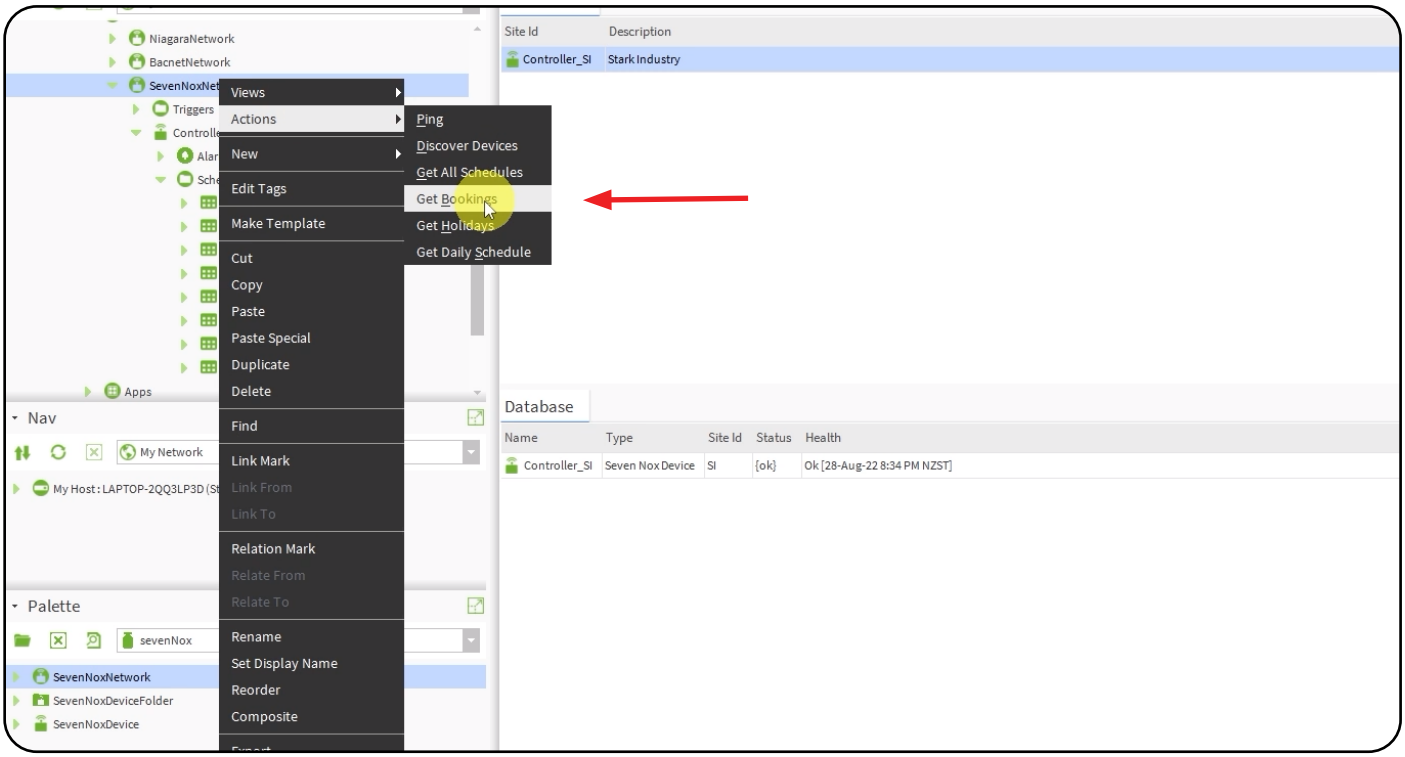


Executing this function populate all zones under the “Schedules” section of the “Controller” folder.

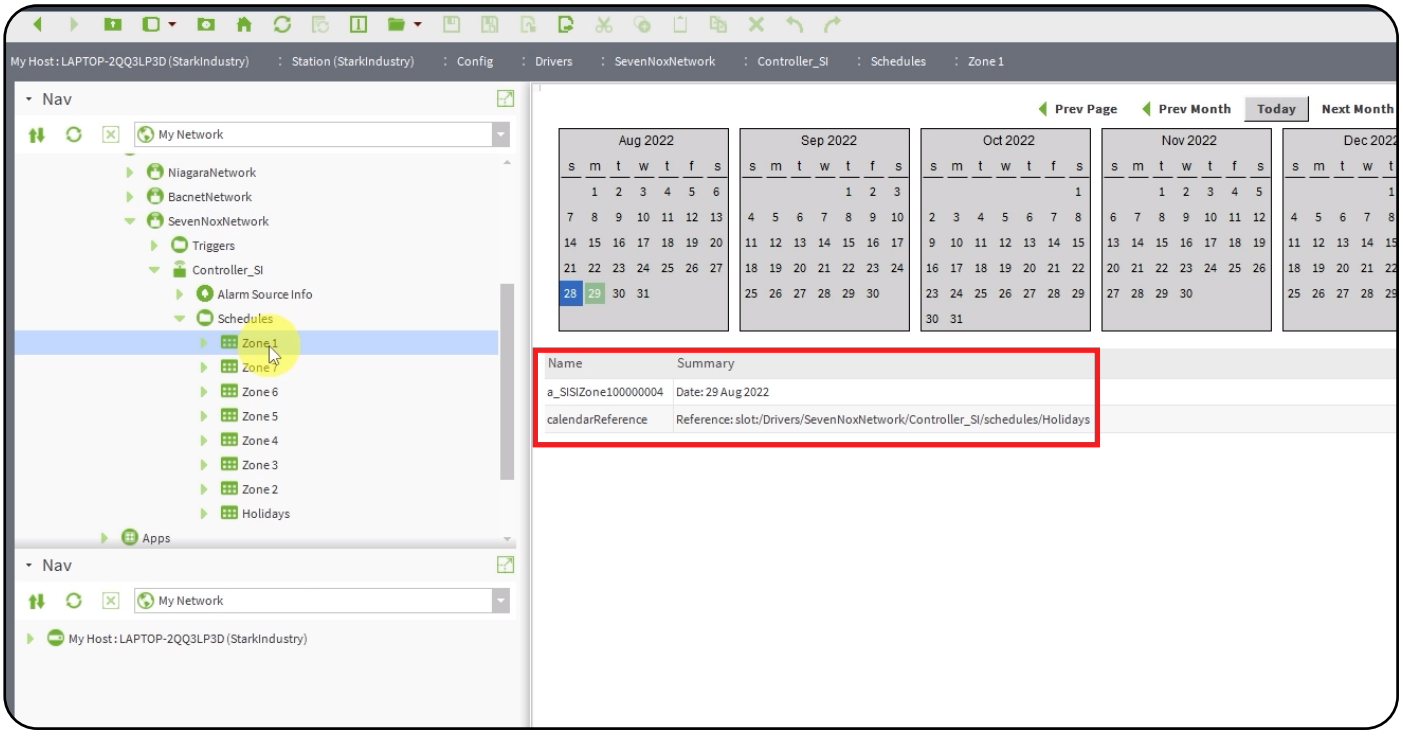


Get Bookings

The “Get Bookings” function retrieves data from the “Create a Single Booking” section of the 7NOX portal.

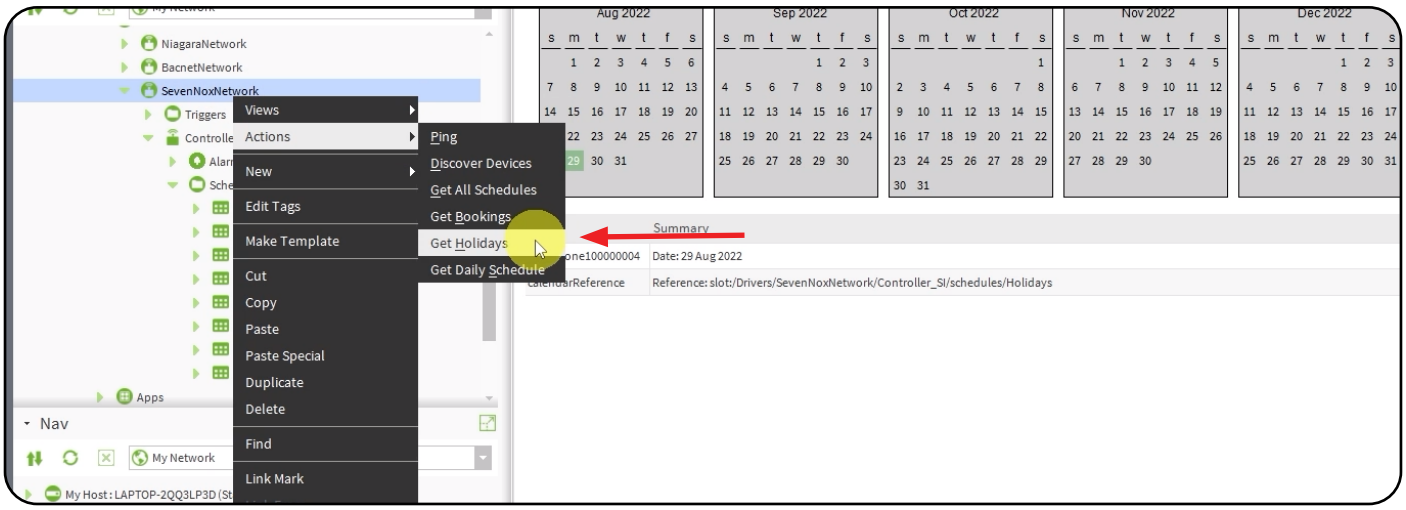


Once “Get Bookings” is initiated and the transfer refreshed, all 7NOX bookings will appear in the “Special Events” tab.



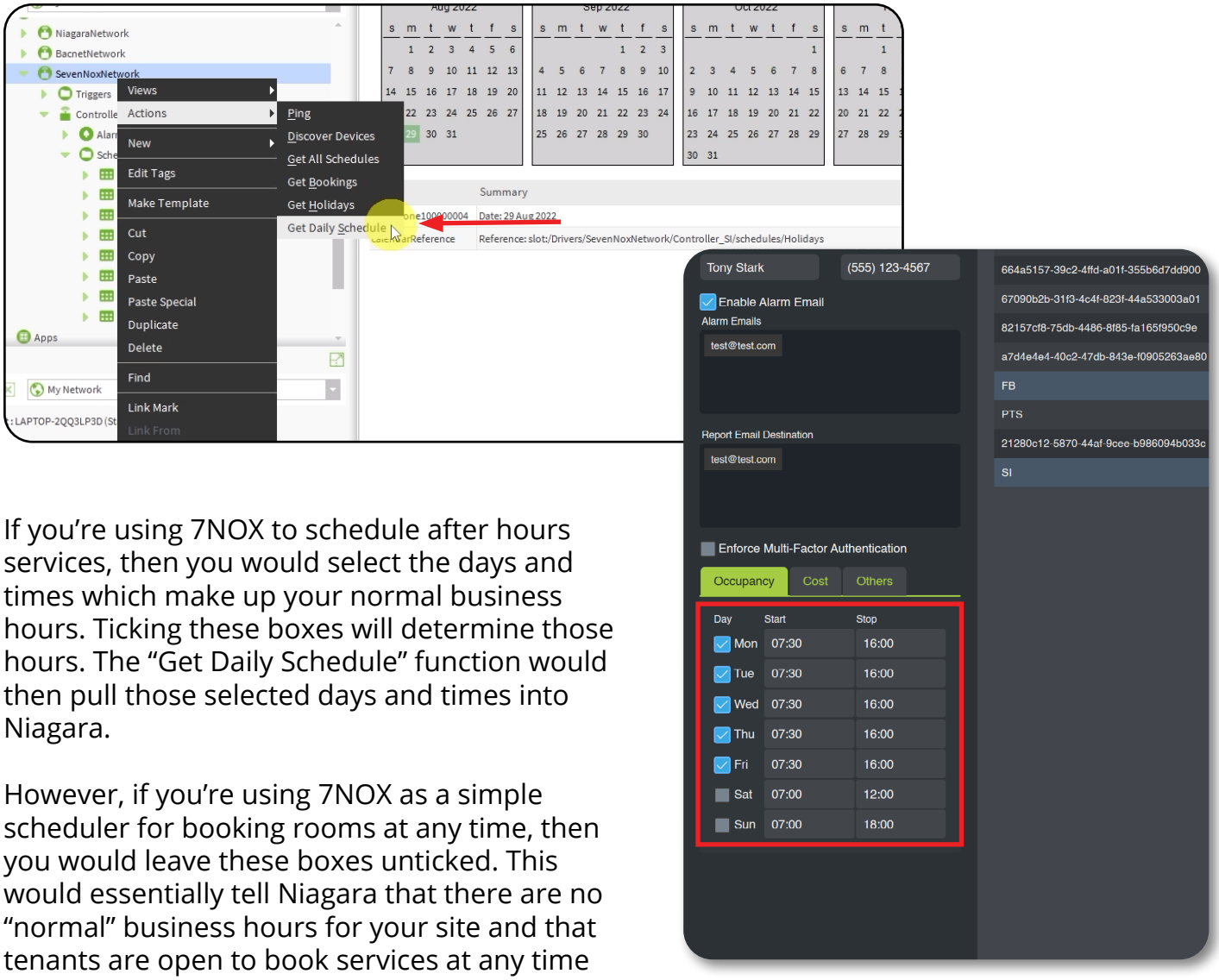
Get Holiday

This function gathers data from the 7NOX **Holiday Manager**.



Get Daily Schedule

The “Get Daily Schedule” function retrieves information from the 7NOX **Site Manager** page.

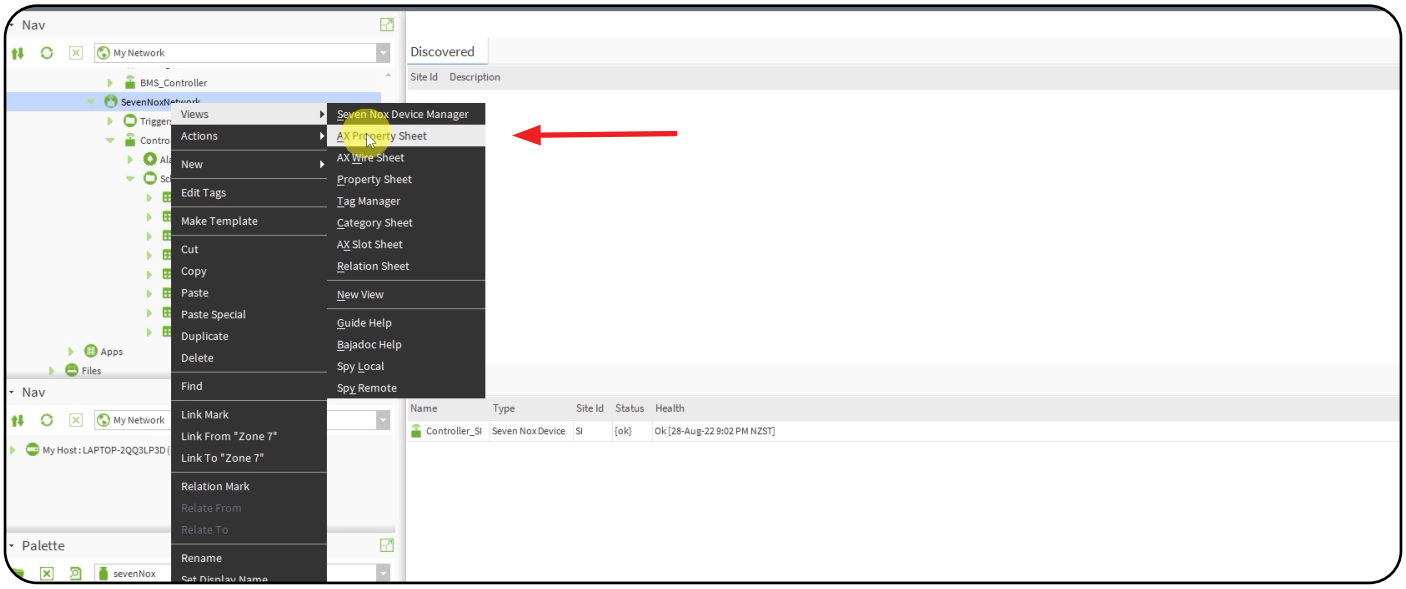


If you’re using 7NOX to schedule after hours services, then you would select the days and times which make up your normal business hours. Ticking these boxes will determine those hours. The “Get Daily Schedule” function would then pull those selected days and times into Niagara.

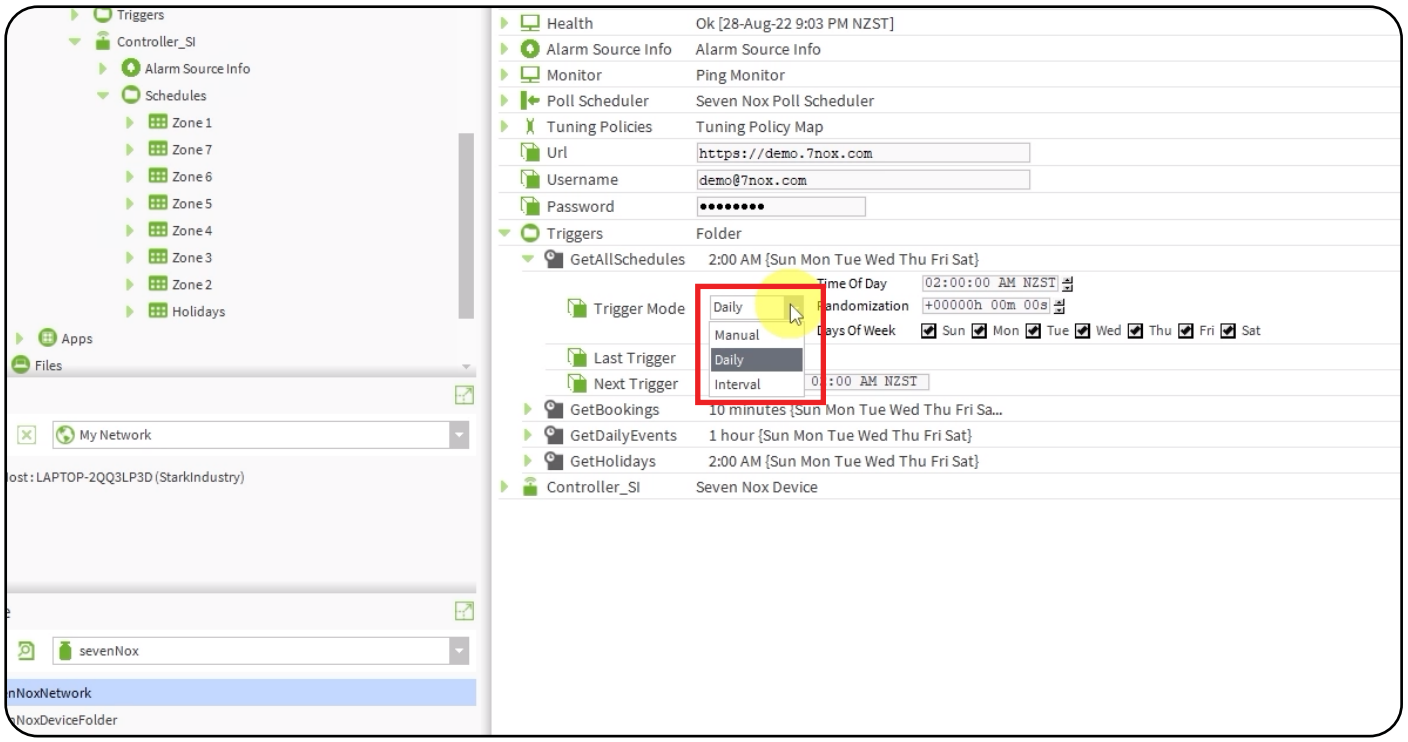
However, if you’re using 7NOX as a simple scheduler for booking rooms at any time, then you would leave these boxes unticked. This would essentially tell Niagara that there are no “normal” business hours for your site and that tenants are open to book services at any time and day.

Setting up Triggers

1. All four of the “Get” functions have “Triggers,” which you can use to adjust the parameters of the data transfer. To access the triggers, right click on the SevenNoxNetwork module, click on the views tab, choose the AX Property Sheet. Then click on “Triggers”.



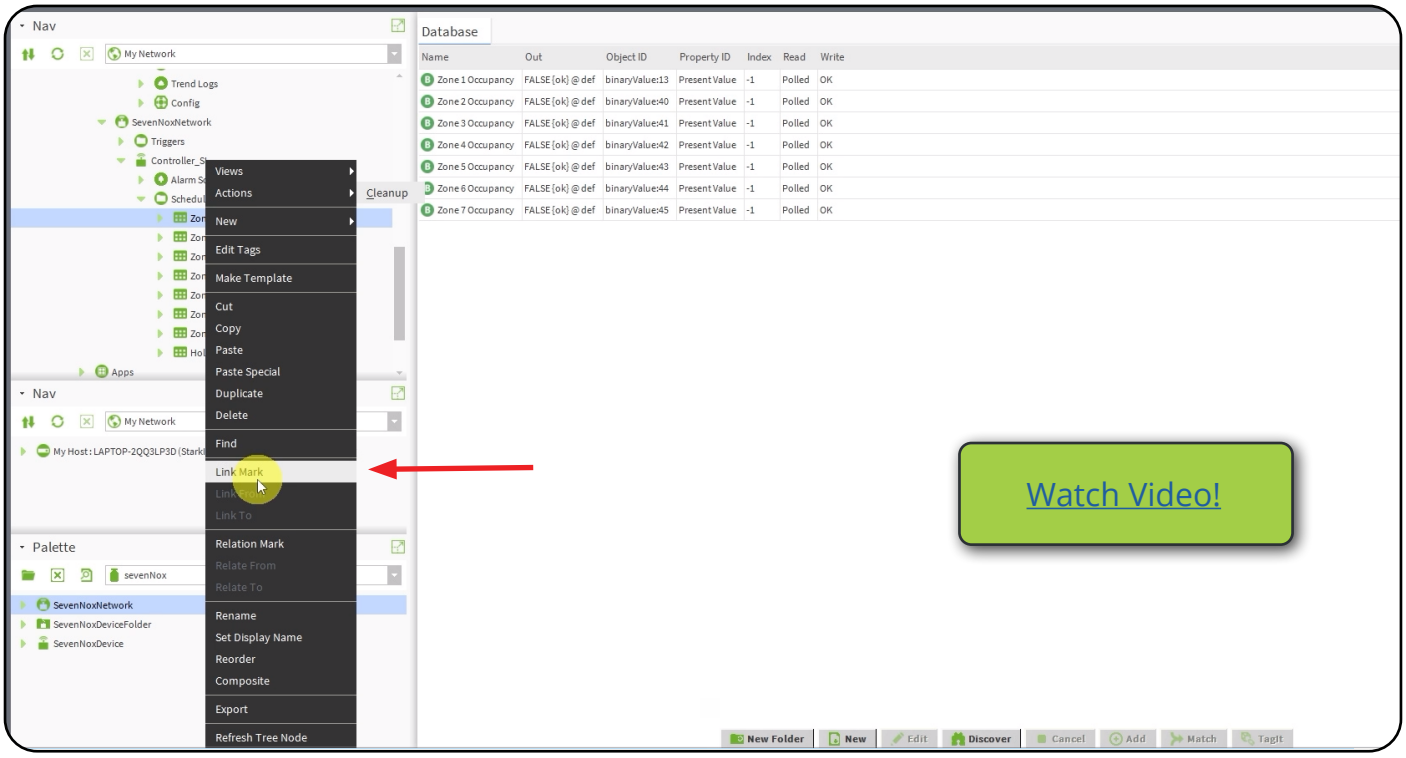
2. The Trigger Mode is set to “Daily” by default; however, you can reset this parameter to “Manual” or “Interval” and customize the transfer. The same adjustments can be made for GetBookings, GetDailyEvents, and GetHolidays.



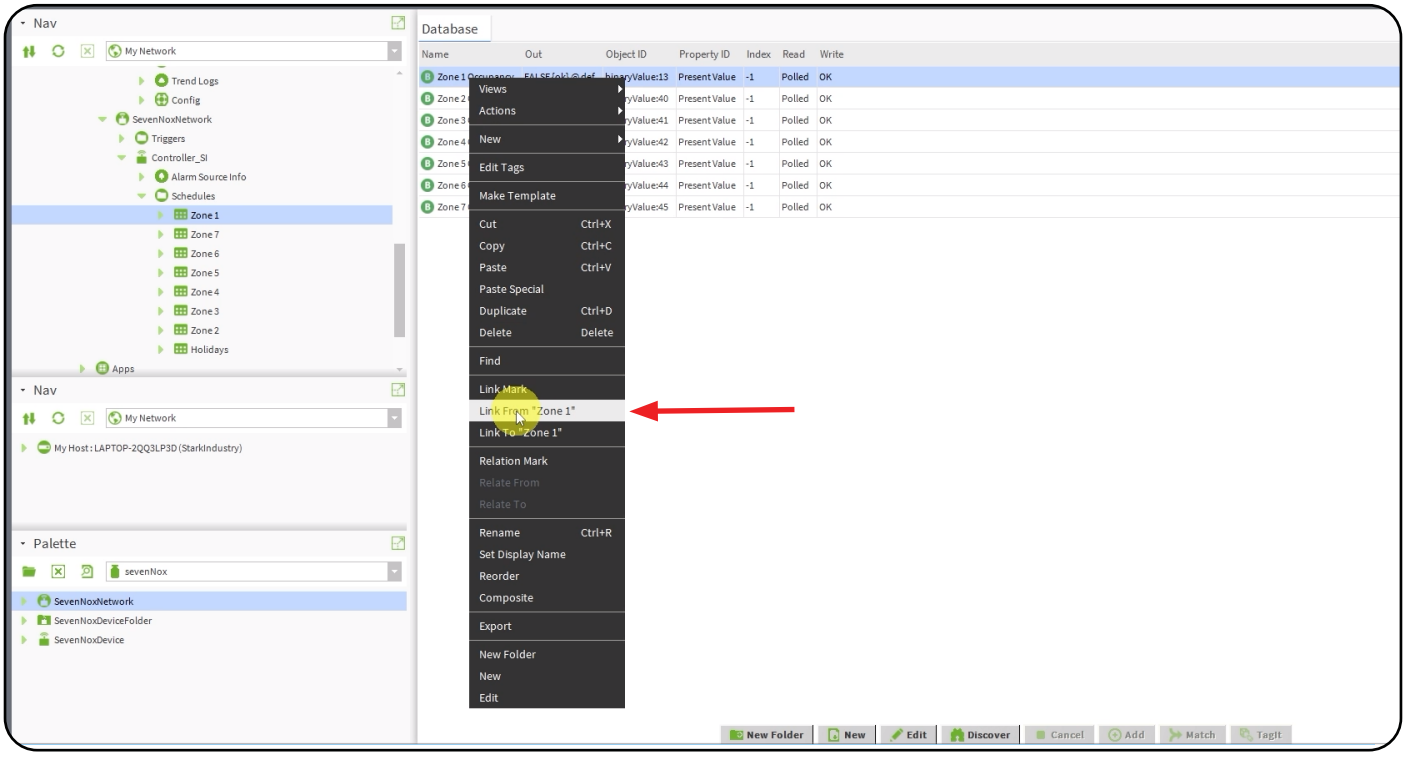
3. Generally, the GetBookings trigger is the most important because the other three are one-off transfers, while the bookings data is set to update every ten minutes. However, you can change this frequency if you like.

Method 1: Link Marking

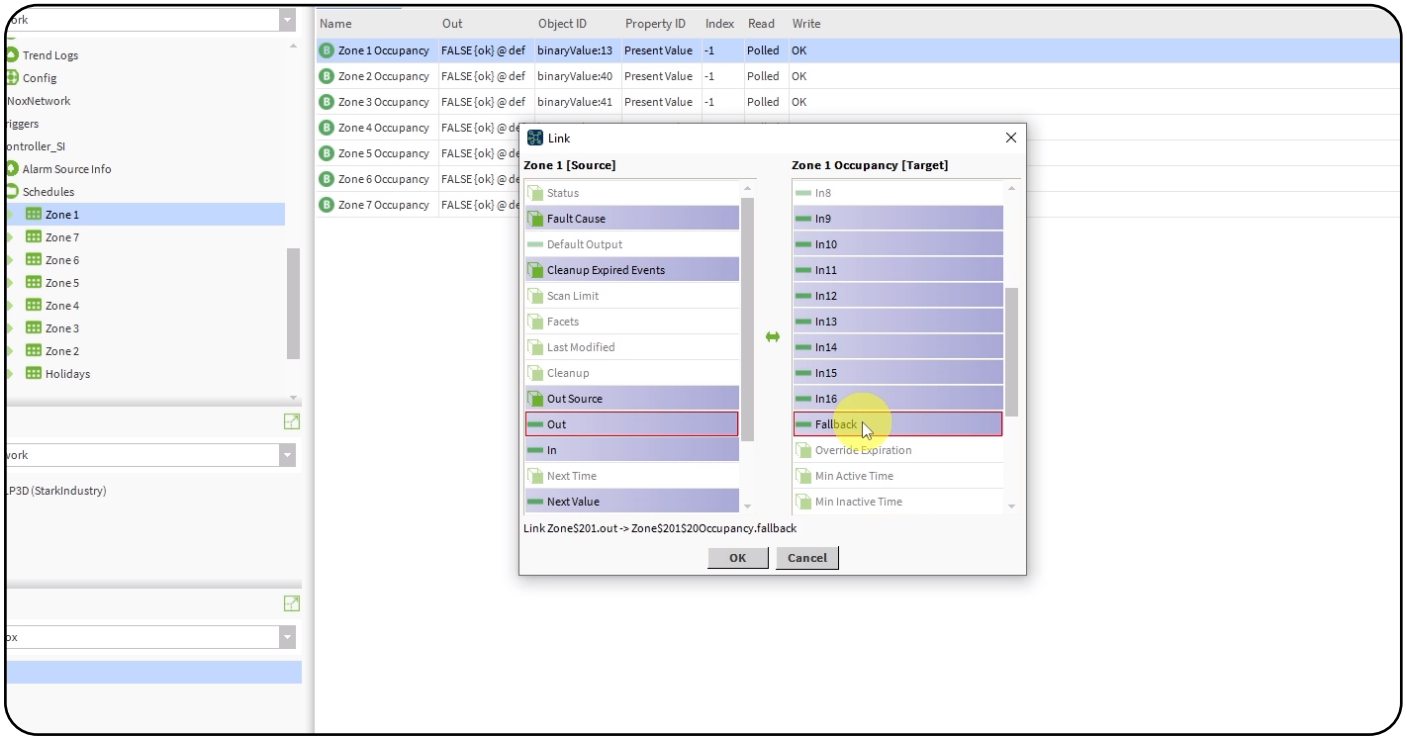
1. To link a schedule to a control point, right click on schedule zone and click “link mark”.



2. Right click on the corresponding BMS point and choose “Link From”.



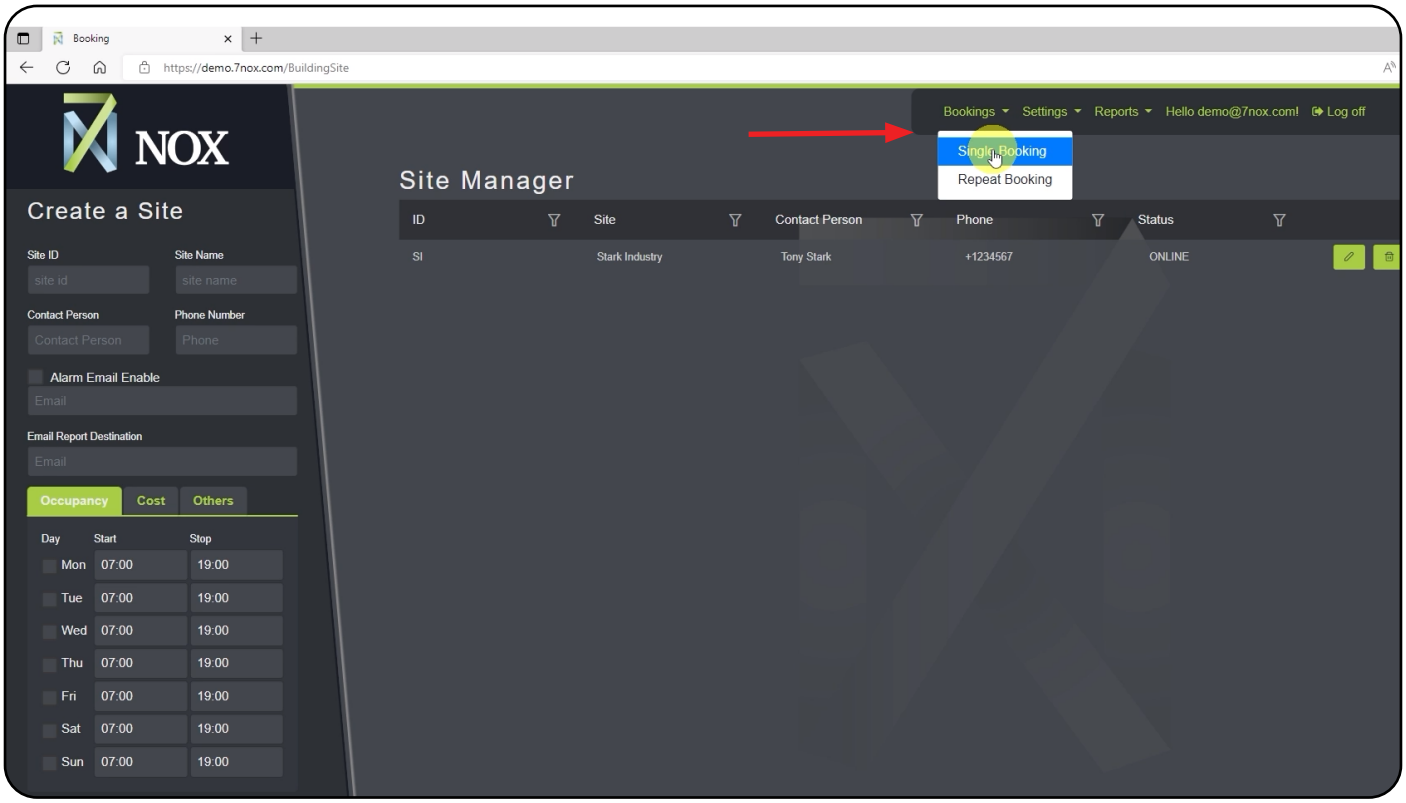
3. In the popup window, choose “Out” as your Zone source and “Fallback” as your Zone target.



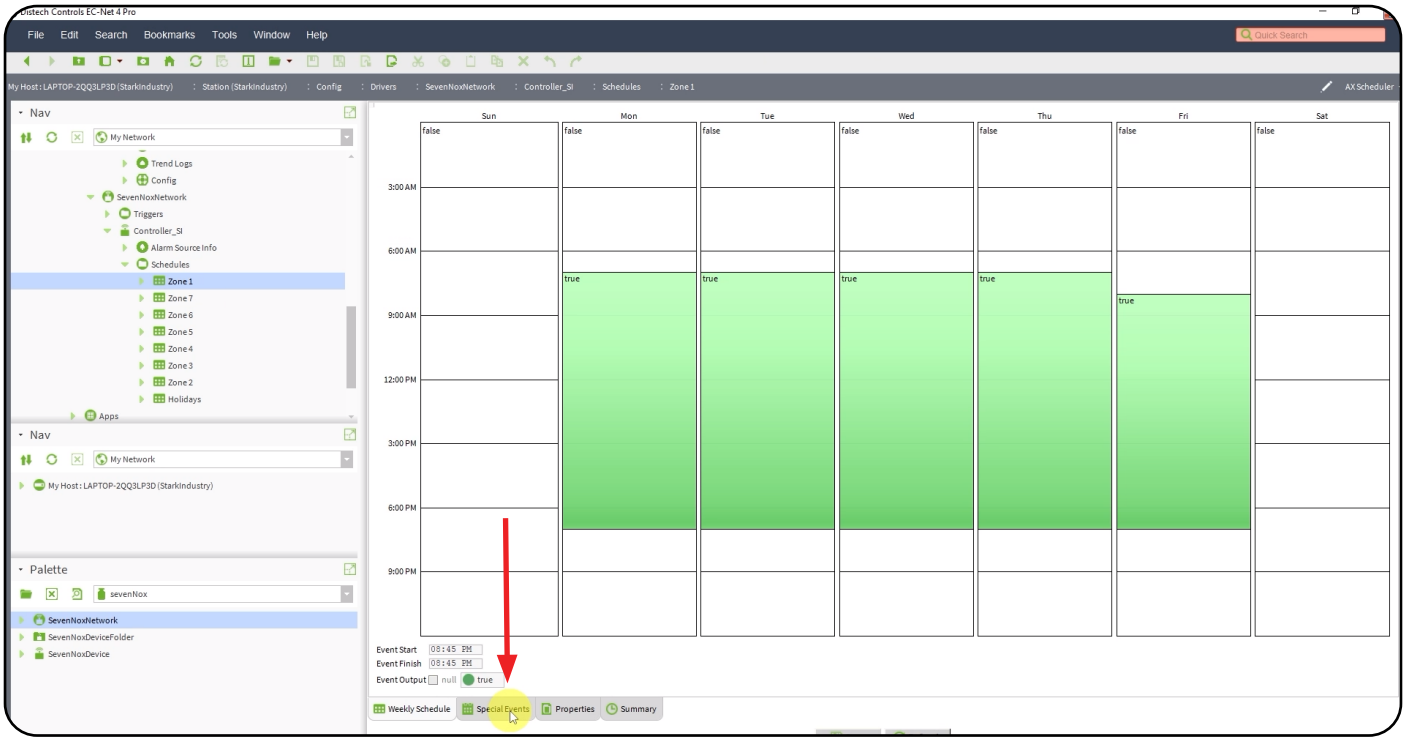
4. Finally, click Ok. Follow this process for the remaining schedules and points.

Test the System

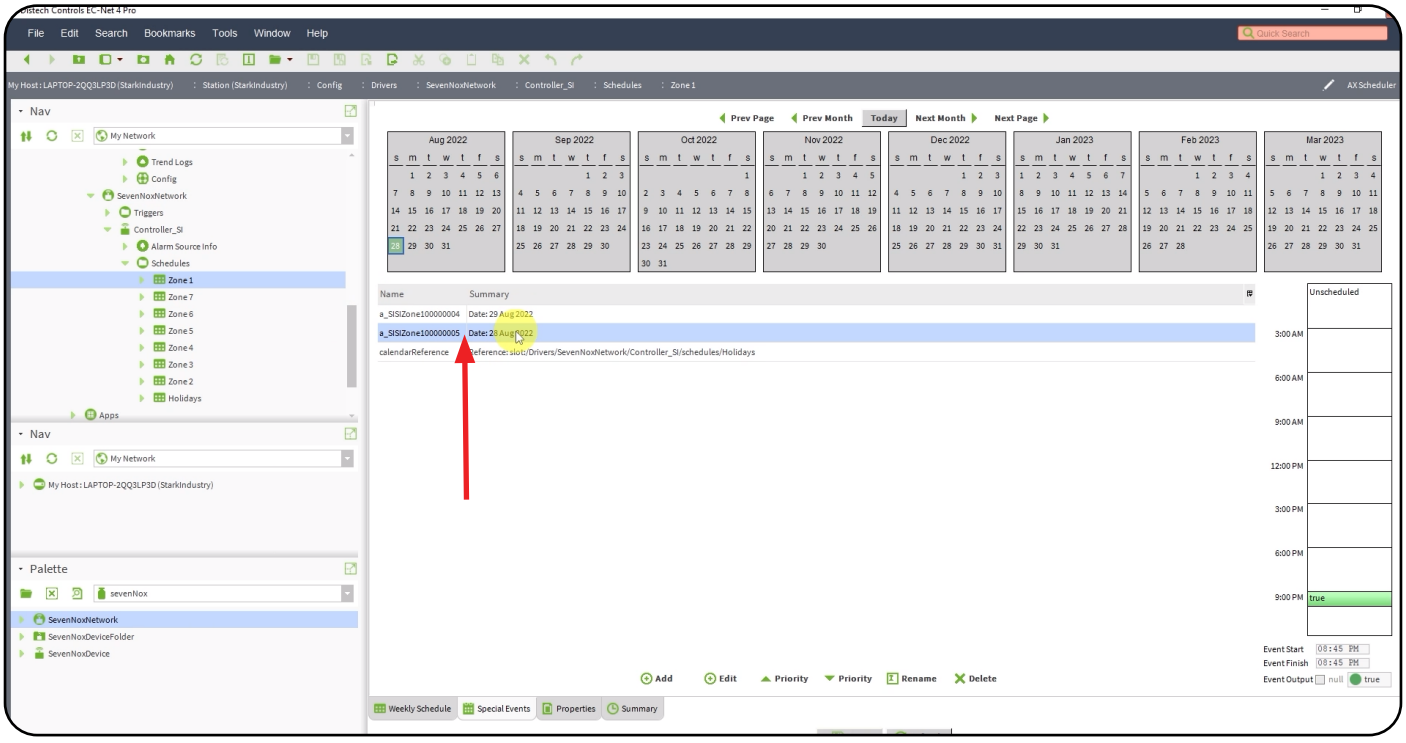
1. Make a booking in the 7NOX portal and checking to see if the Niagara schedule objects update in the Workbench.



2. Go to your Zone (e.g. Zone 1) and select the “Special Events” tab.

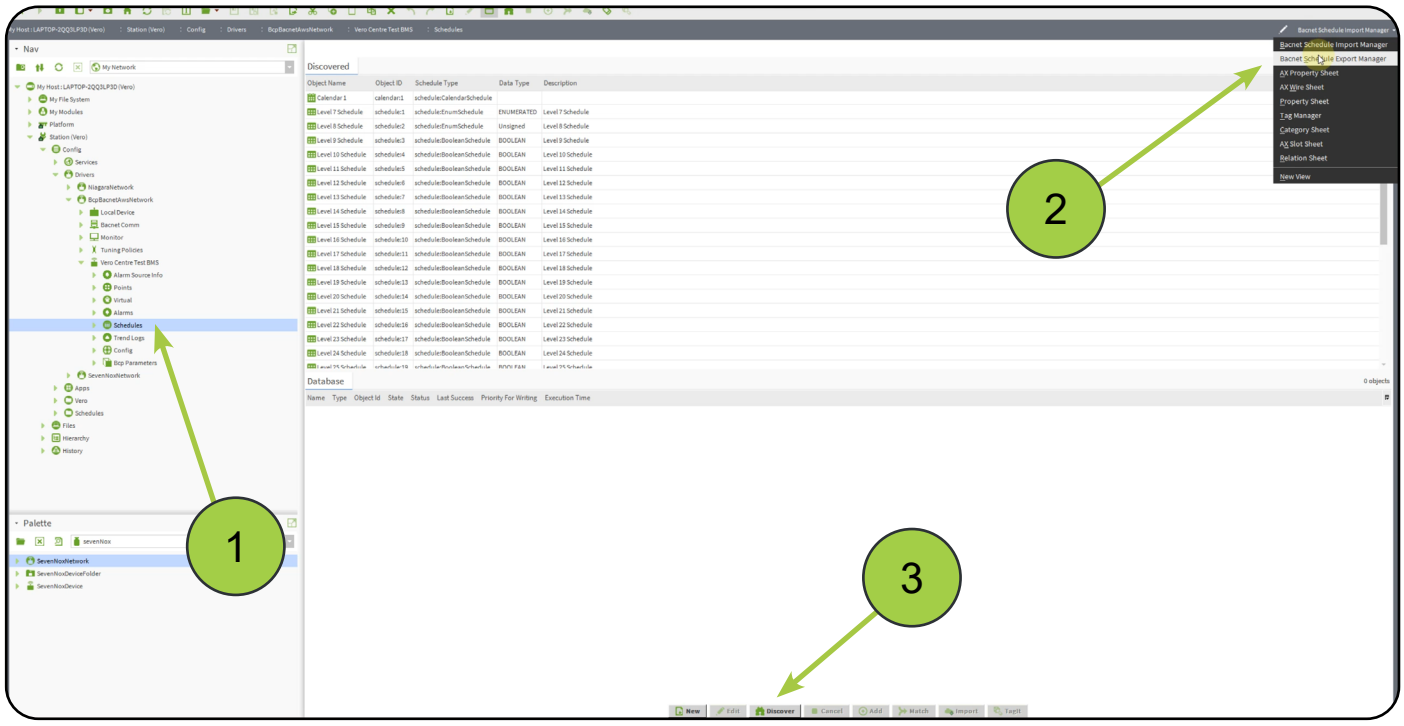


3. Trigger the GetBookings function once again. If the integration is working properly, the booking you created on the 7NOX portal will appear.

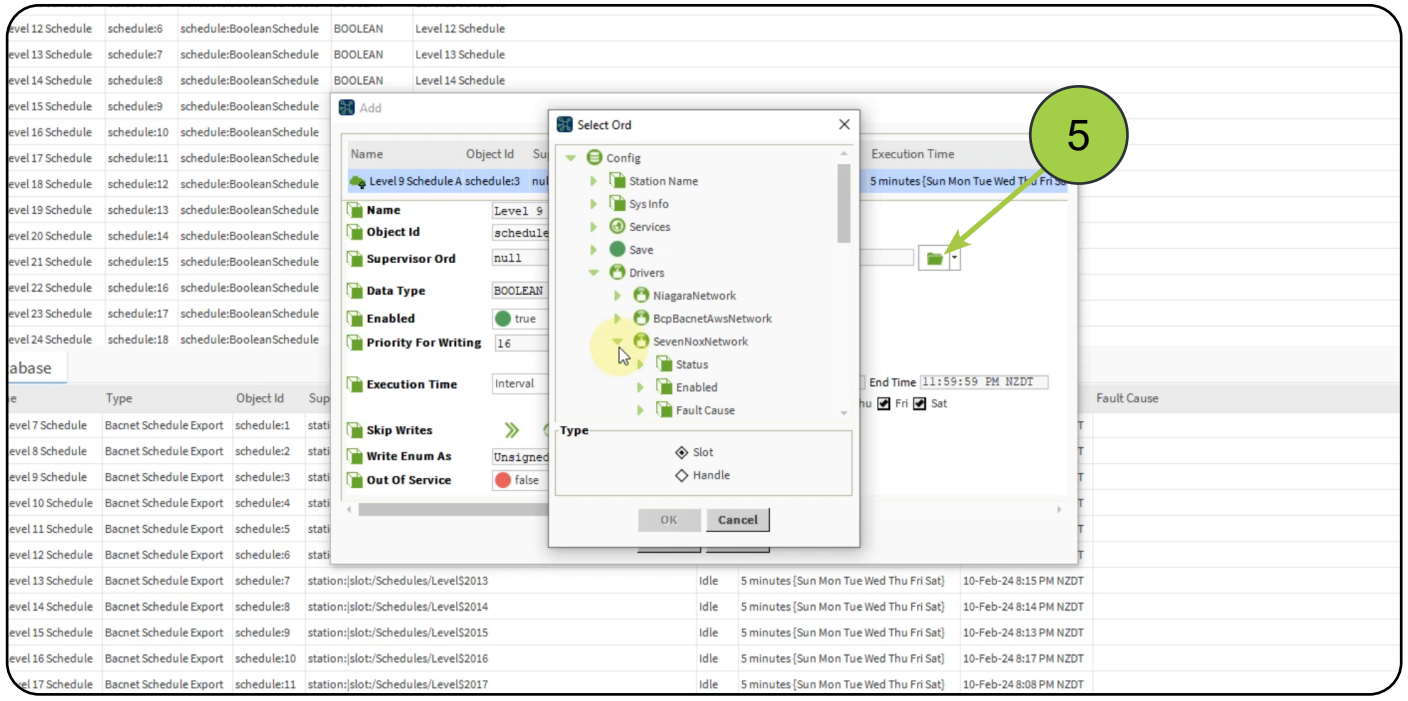


Method 2: Interfacing Existing BACnet Schedules

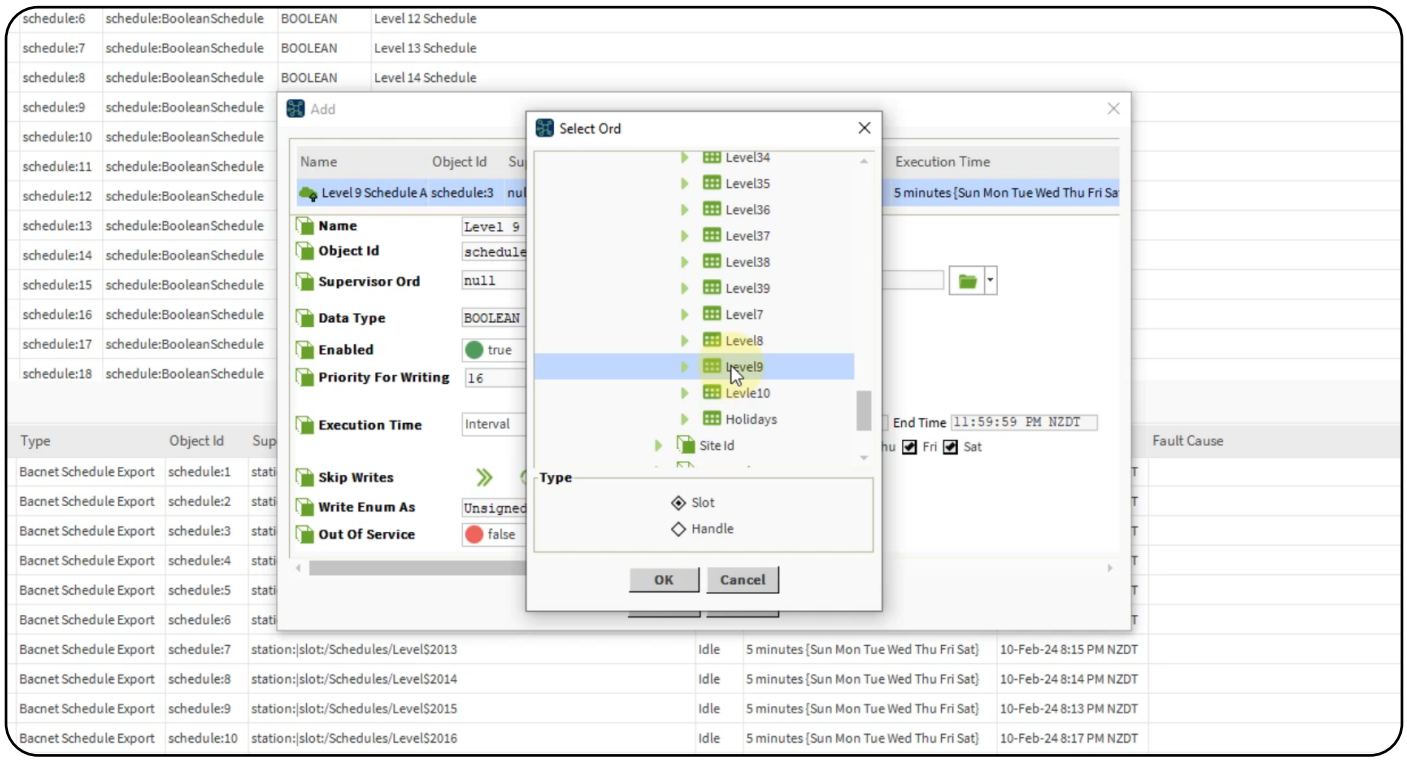
1. Open the BACnet schedules
2. Then open the Schedule Export Manager
3. Click the Discover button



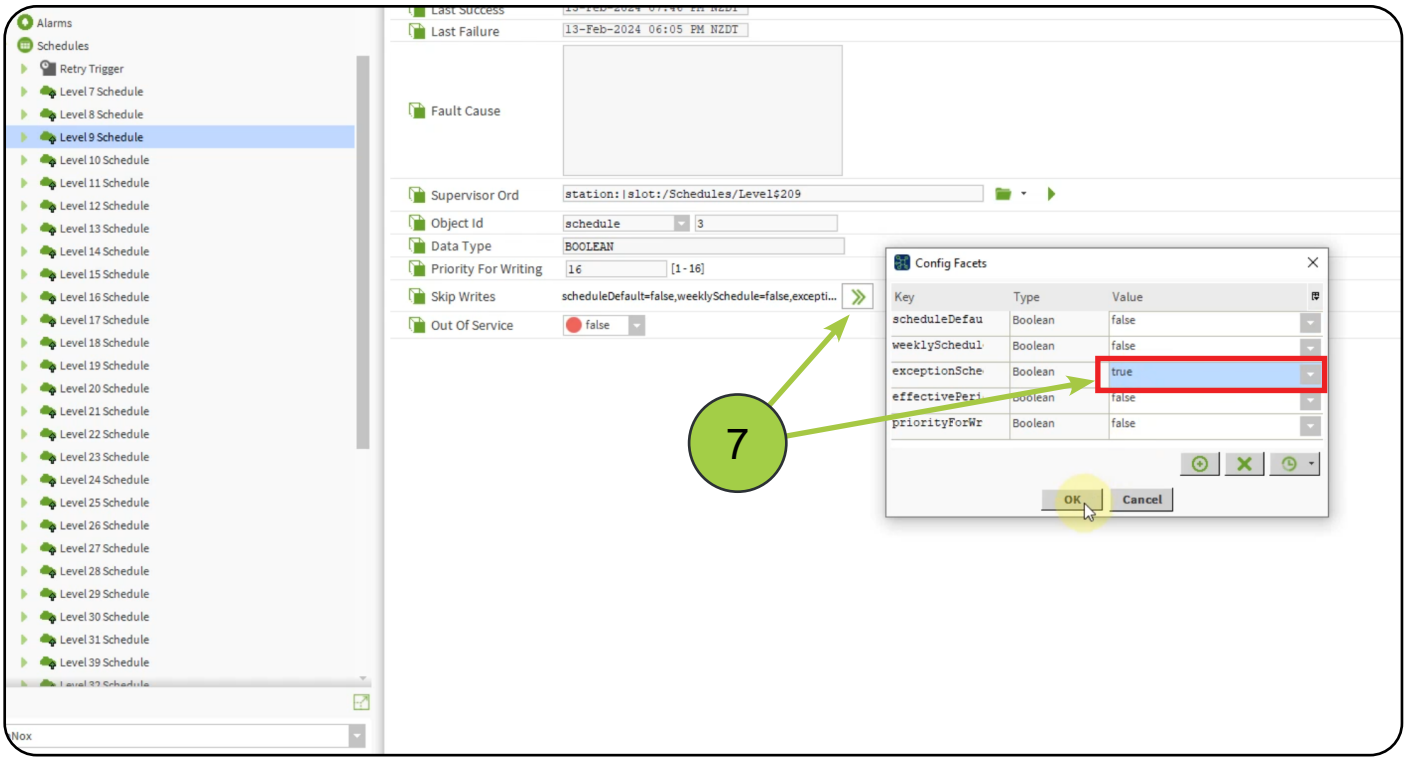
4. Choose a schedule and rename it to something unique. Example: “Level 9 AH”
5. Click the Supervisor ORD folder.



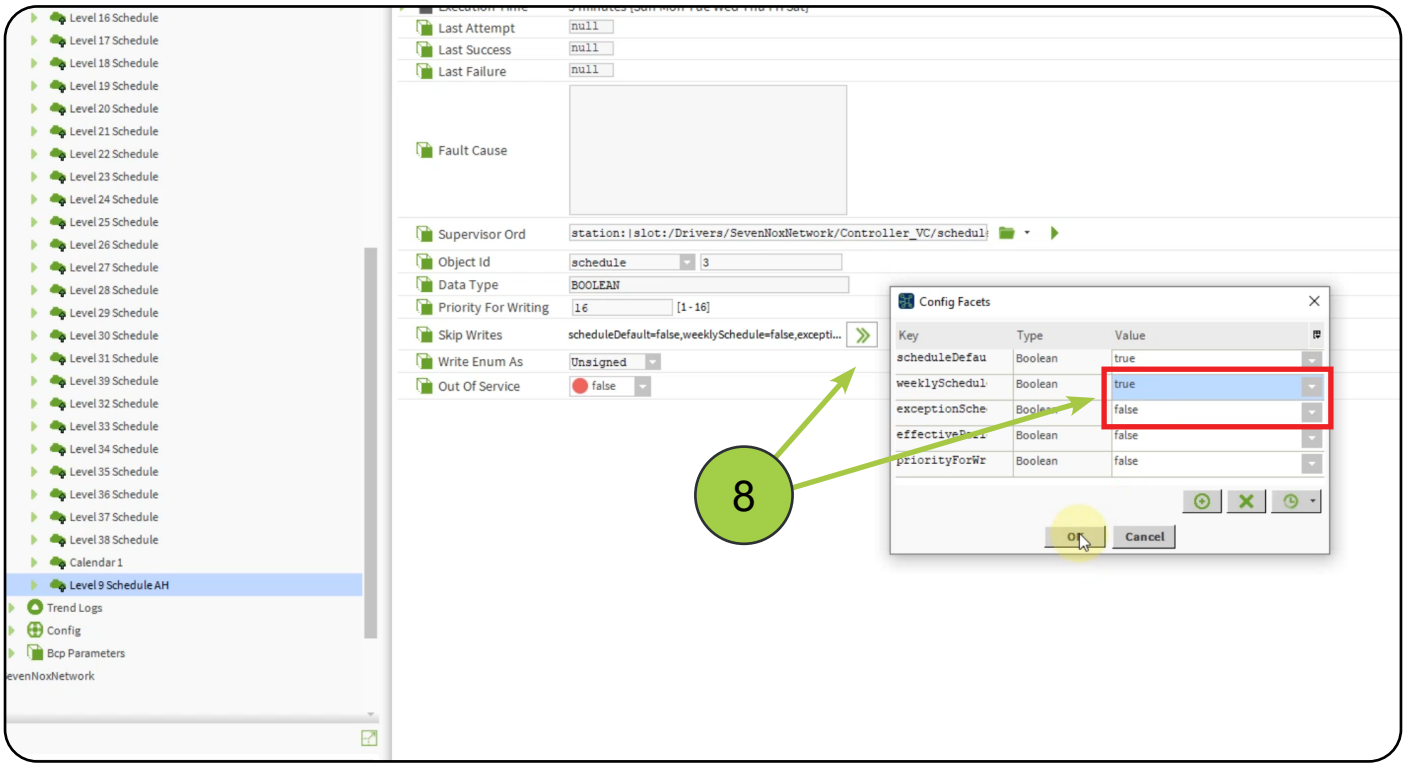
6. Connect the new schedule to the new 7NOX schedule. This links the Niagara supervisor to the 7NOX system.



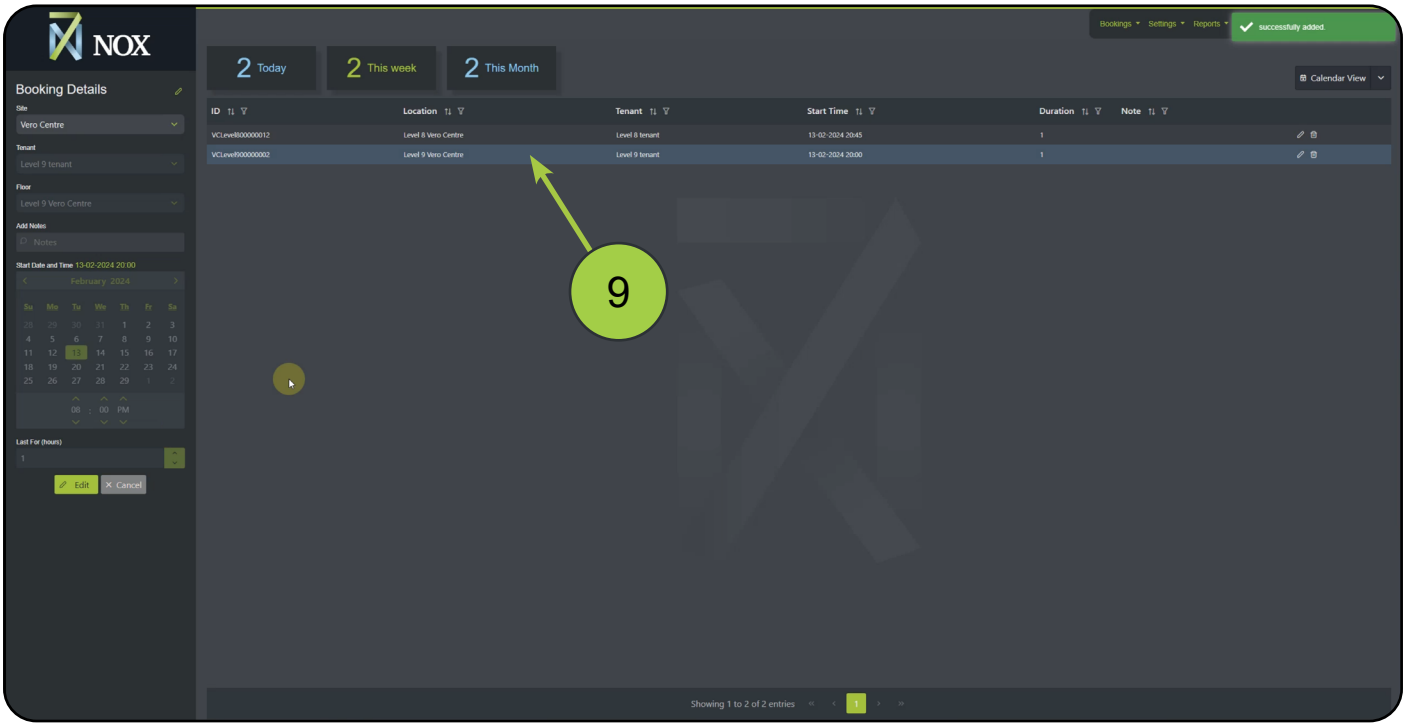
7. Now, configure the schedules to eliminate conflicts. To do this, configure the Skip Writes property. Under the existing BACnet Schedule, configure the exception schedule as **True**. And hit save.



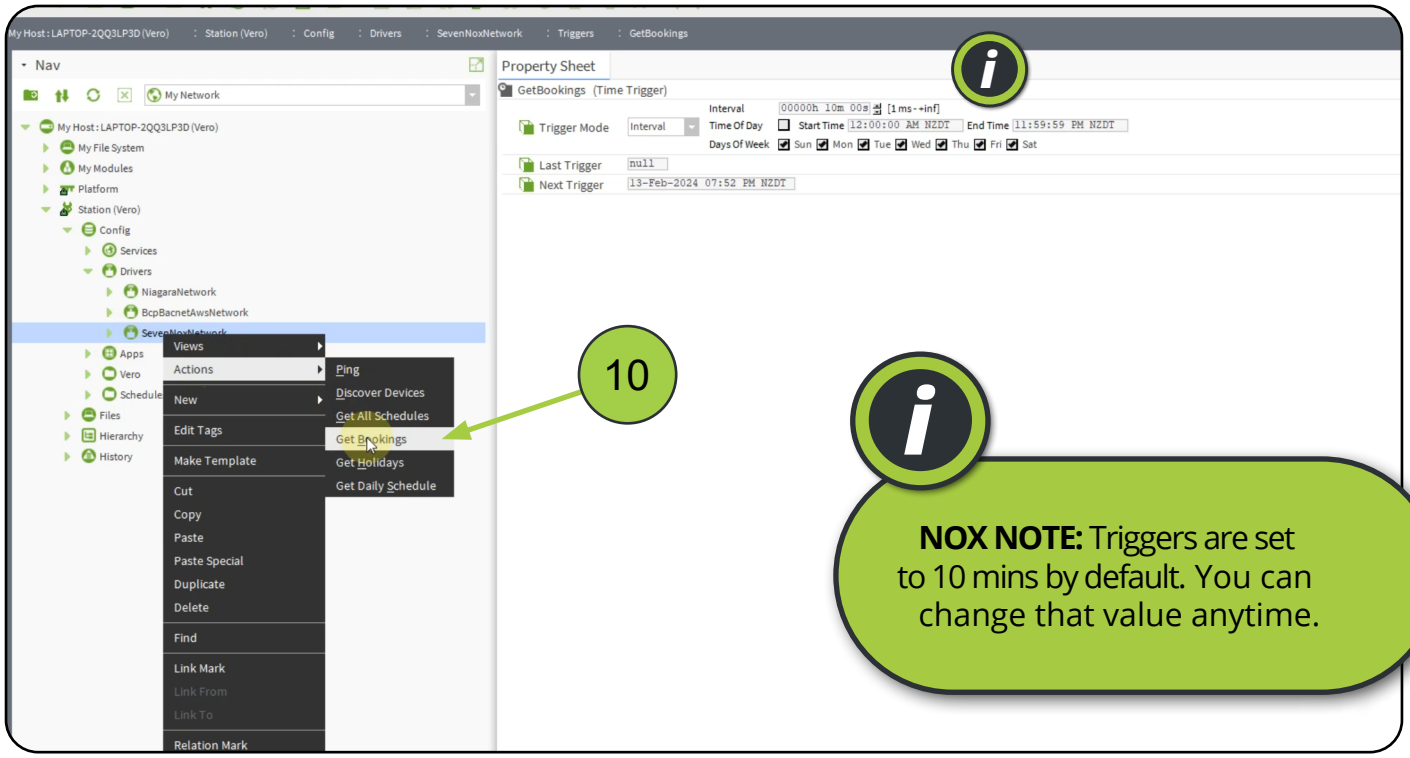
8. Next, locate your after-hour schedule and configure the default and weekly schedule as True. And hit save.



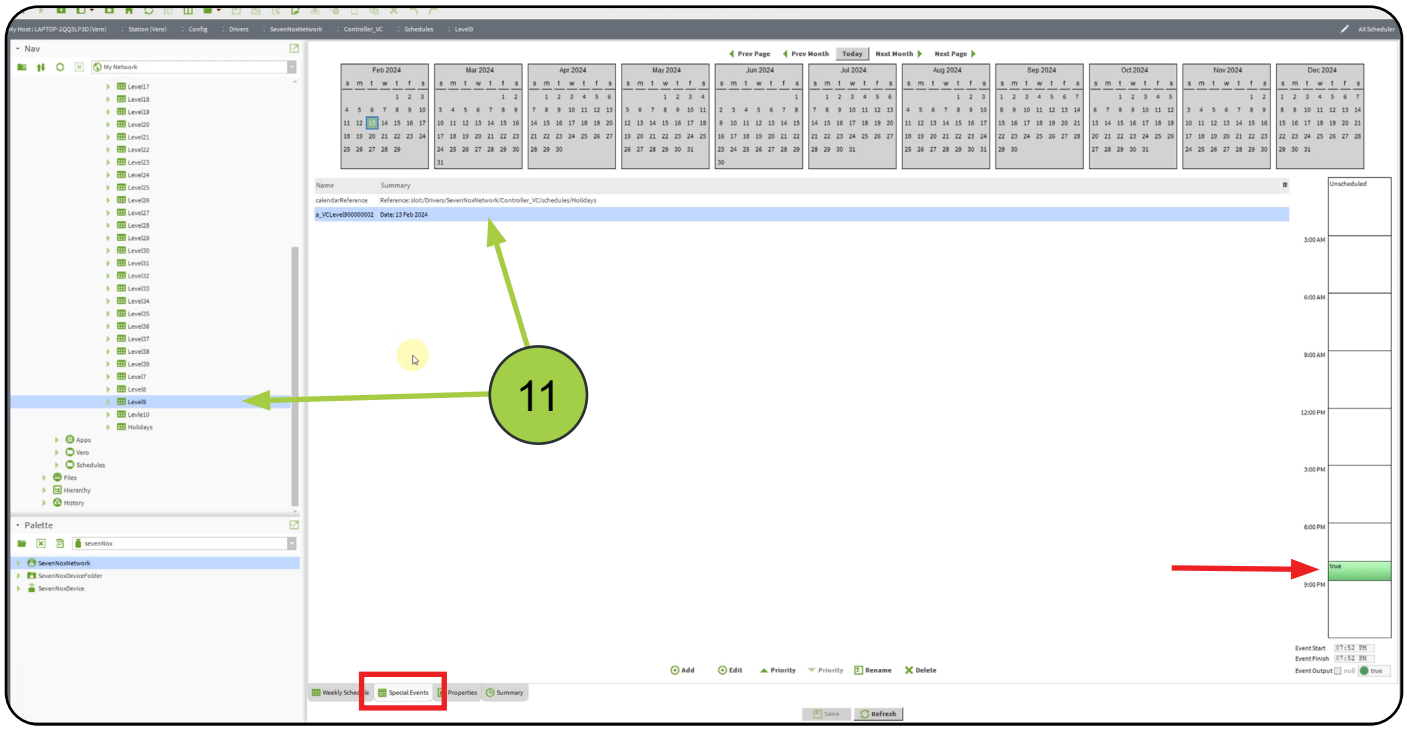
9. Log into the 7NOX portal and create a booking by selecting your level, tenancy and floor. Choose the date and time. And hit create.



10. Choose **“Get Bookings”** from the **Actions** menu to execute the trigger.



11. Navigate to the level where you created the booking. You should now see your booking listed as a special event.



12. Simply follow these sames steps for the remaining levels.

Building Manager

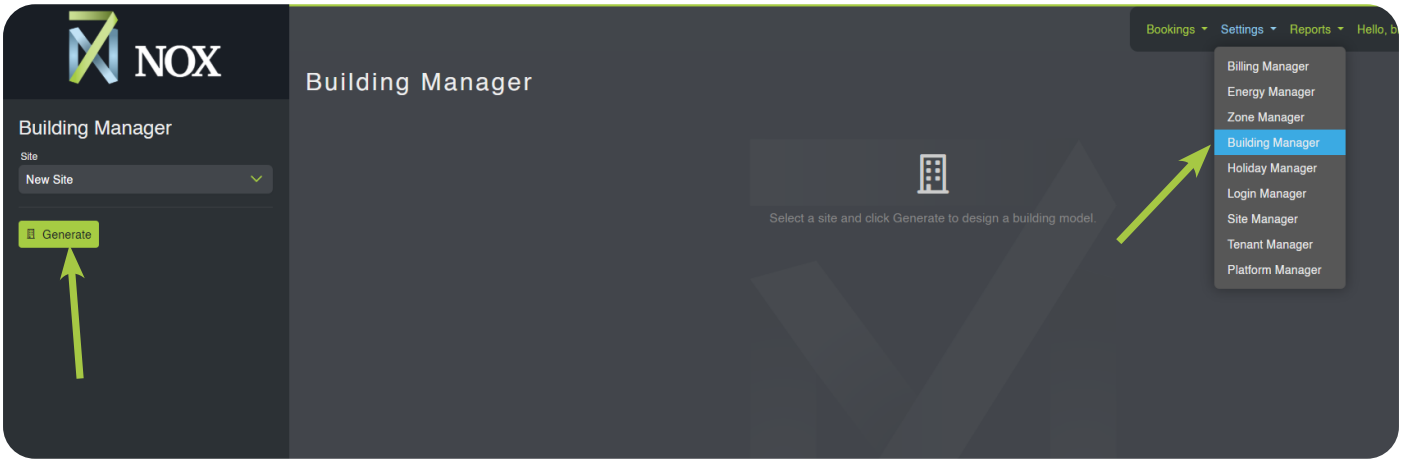
Location: **Main Menu > Settings > Building Manager**

The Building Manager allows system admins and managers to easily create and manage their building levels, zones and tenant assignments. The BM is a flexible and easy-to-use stack diagram that works for a single building property or multi-tower campus. It uses a standardised naming schema to manage levels, floors and tenants.

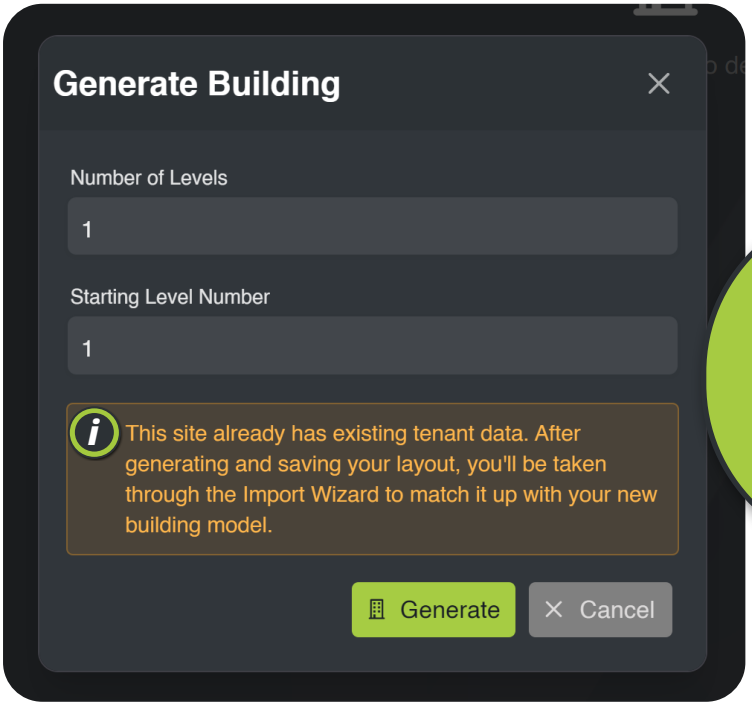
Generating a New Site

Use the follow steps to generate a stack diagram for a site in the Building Manager.

1. Navigate to the Building Manager using the Main Menu. Select your new site in the drop down. The “Generate” button should appear below the drop down. Hit it. NOTE: If the Generate button doesn’t appear, you **do not have admin access to** the Building Manager. Contact your admin.



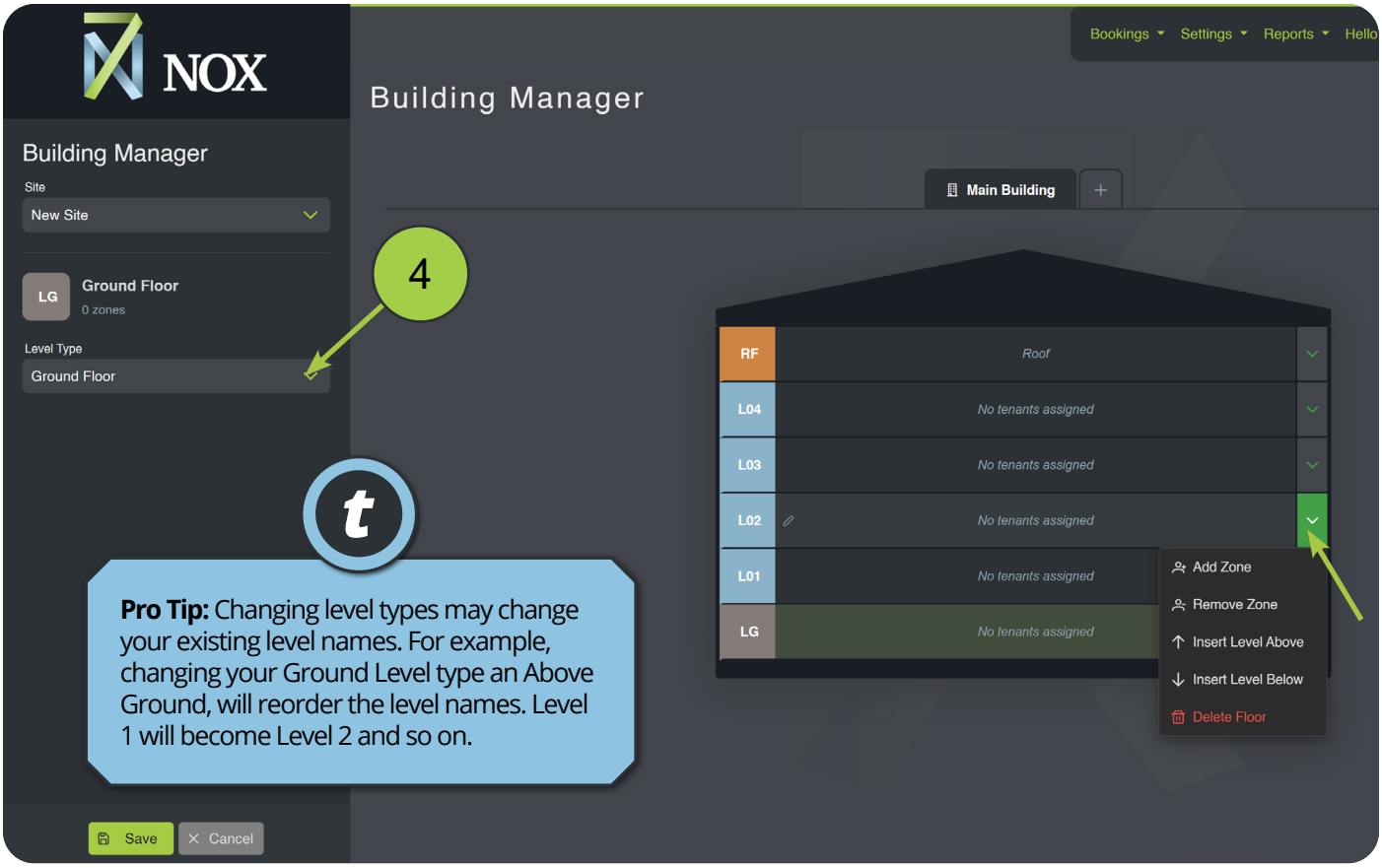
2. In the pop up window, set the number of levels for your site and the starting level number and hit the Generate button.



NOX NOTE: If your site has existing zones and tenants in the Zone Manager, you will be prompted to use the Import Wizard when you first save, to match them to your new building model.

3. Hit the **Save button** in the bottom left to save your project.

4. Adjust any existing floor levels if desired/needed. For example, you can add or delete a new level using the diagram's context menu or you can adjust the level type using the dropdown menu.



Adding Tenants and Zones

5. Begin by selecting your level and clicking the pencil edit icon. This will open the Assign Tenant window. All levels start with a default zone. Every tenant requires a zone to occupy.



6. Set your zone status to “Occupied”. If your zone is vacant or a plant room, choose either as the status.

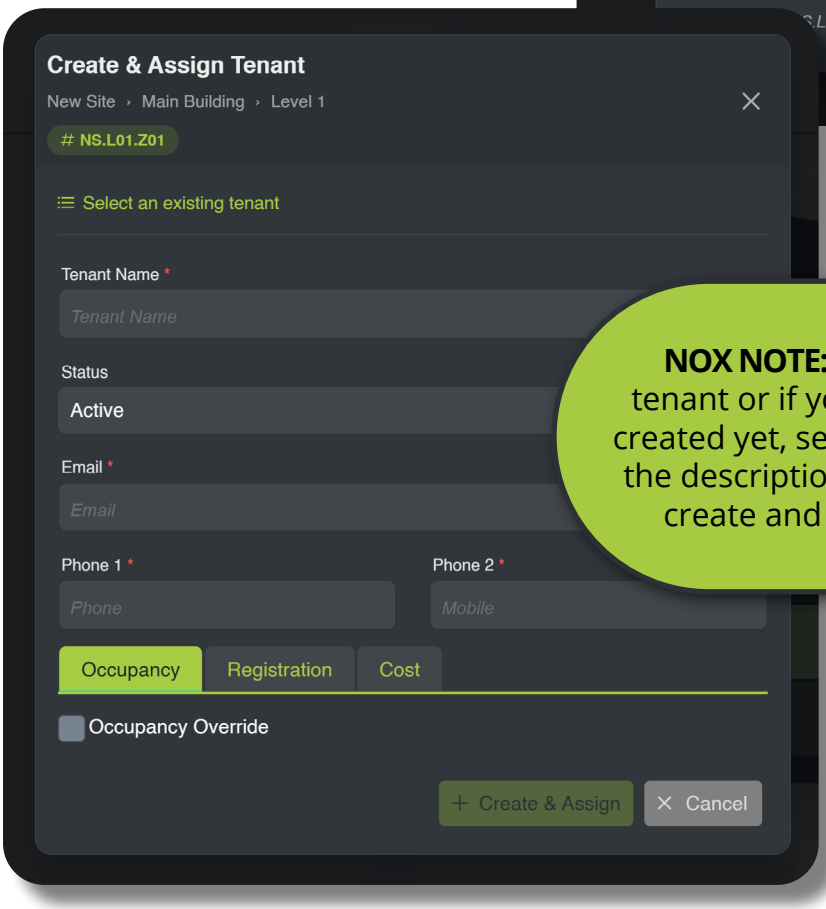
7. Provide a level/zone description (e.g., “Level 1 Zone 1”).

8. Assign a tenant to the zone by searching for and/or selecting from the list.

9. Hit the Assign button.

Watch Video!

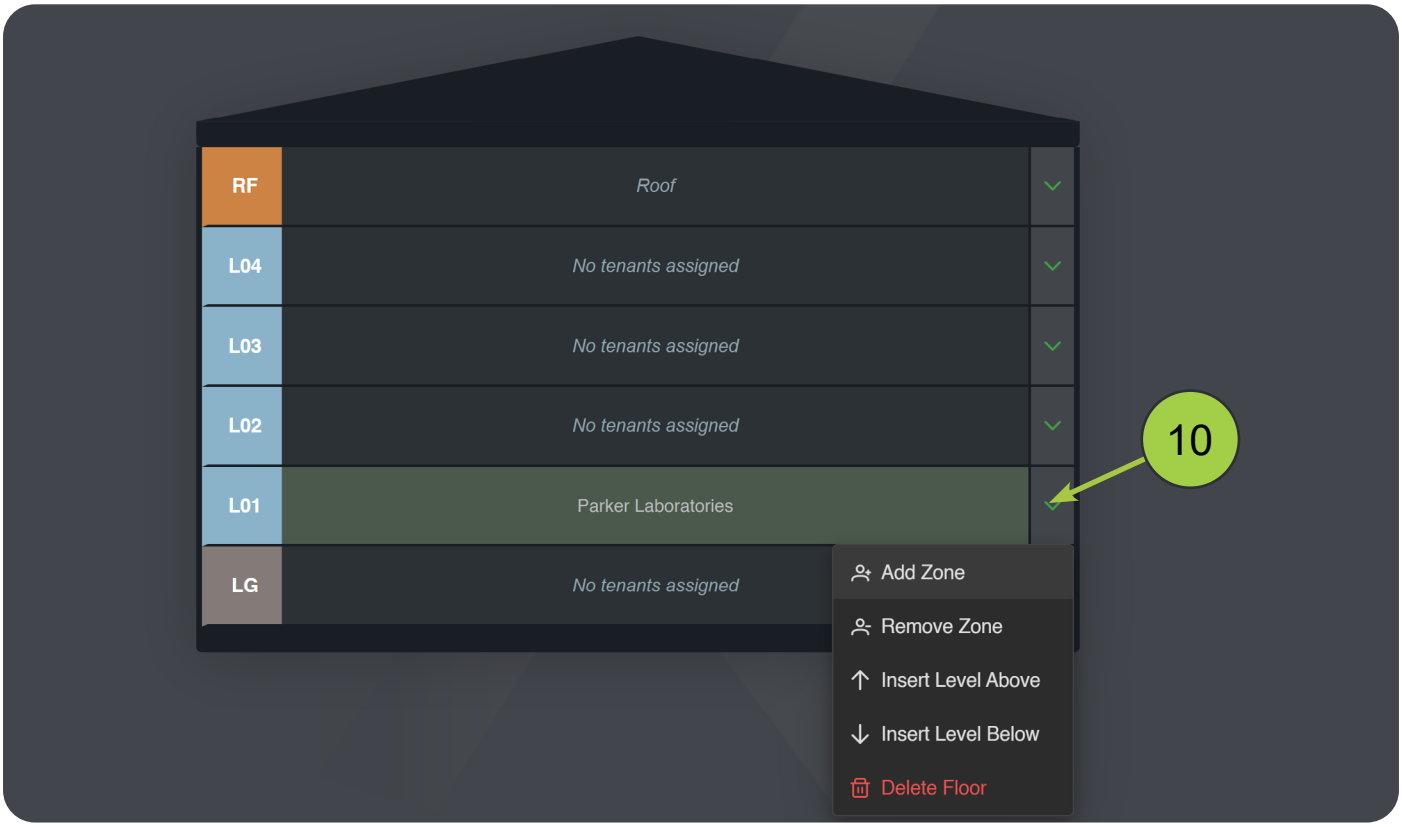




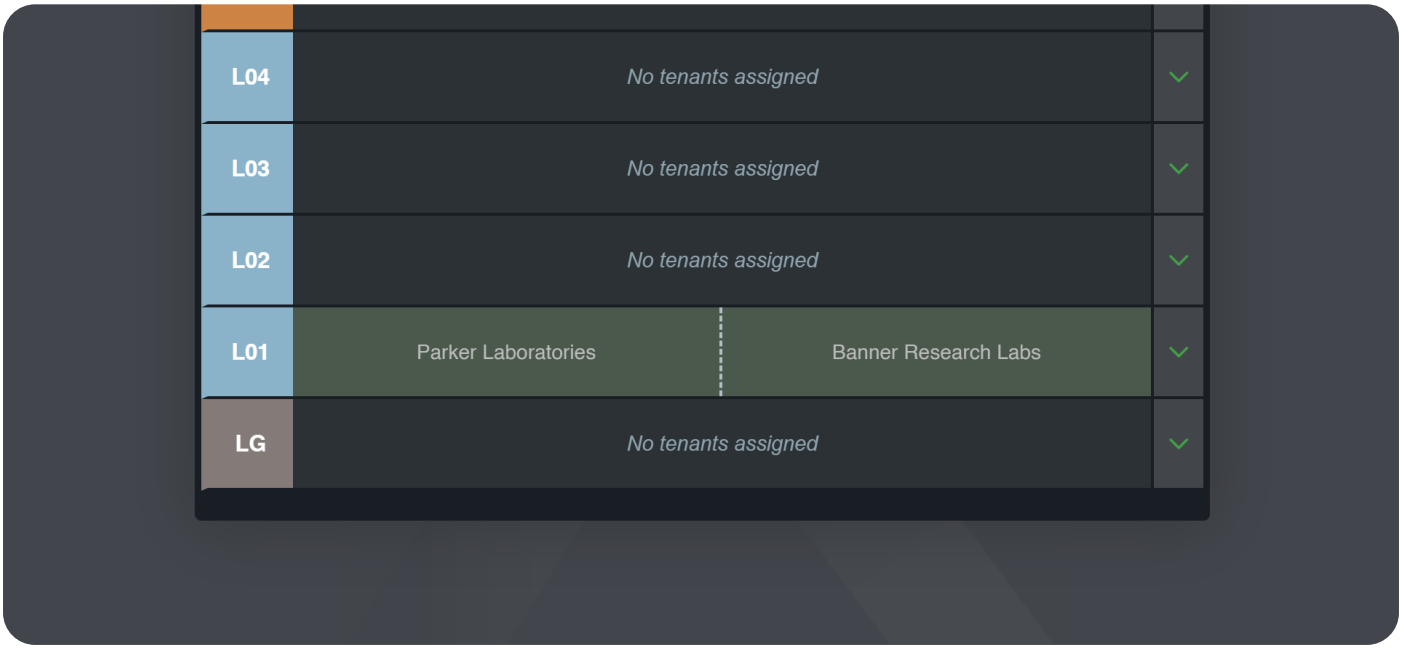
NOX NOTE: If you cannot locate your tenant or if your tenants haven’t been created yet, select “Create a New Tenant” under the description field and use the widget to create and assign one.

Adding Multiple Tenants to a Level

10. Hit the green dropdown arrow for the level you wish to add the zone to and choose “Add Zone”. The Assign Tenant popup will appear. Follow the same steps you did for creating a tenant by selecting the zone status, providing a zone description and assigning or creating a tenant.



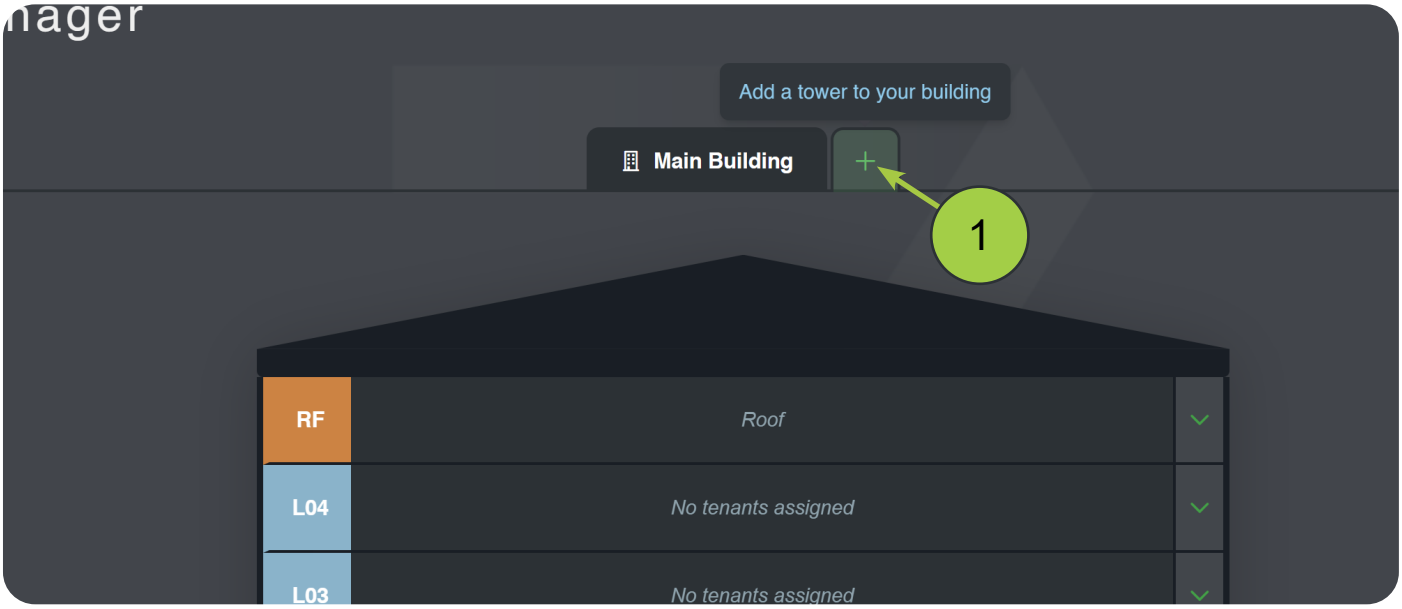
11. You will now have two zones assign to two tenants within the same level. Each tenant will occupy two different zones (e.g., “Level 1 Zone 1”, “Level 2 Zone 2”). You can add as many zones/tenants to a level as you would like.



Adding Multiple Towers to a Site

If your site is a campus style property with multiple facilities served by a single BMS, you can add additional towers to the same site.

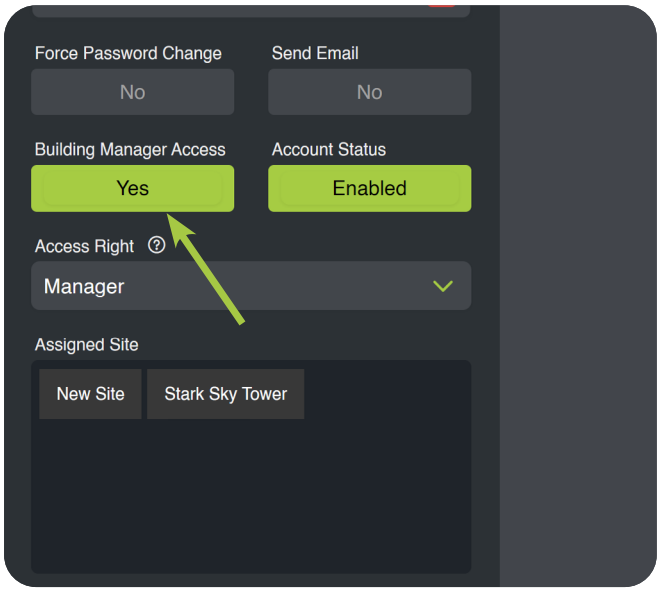
1. Hit the plus sign next to the “Main Building” tab.



2. From here, simply follow the same process for generating a site by choosing the number of levels, naming zones and assigning tenants.
3. Hit the Save button

Giving Building Manager Access

By default, 7NOX Manager admins have limited access to the Building Manager’s features. This is to ensure the site’s floor/zone organisation is maintained only by Systems Admin. However, you can grant managers full access to the Building Manager by setting the permission in the **Login Manager**. Locate the account in the Login Manager and set the “Building Manager Access” to “YES”.



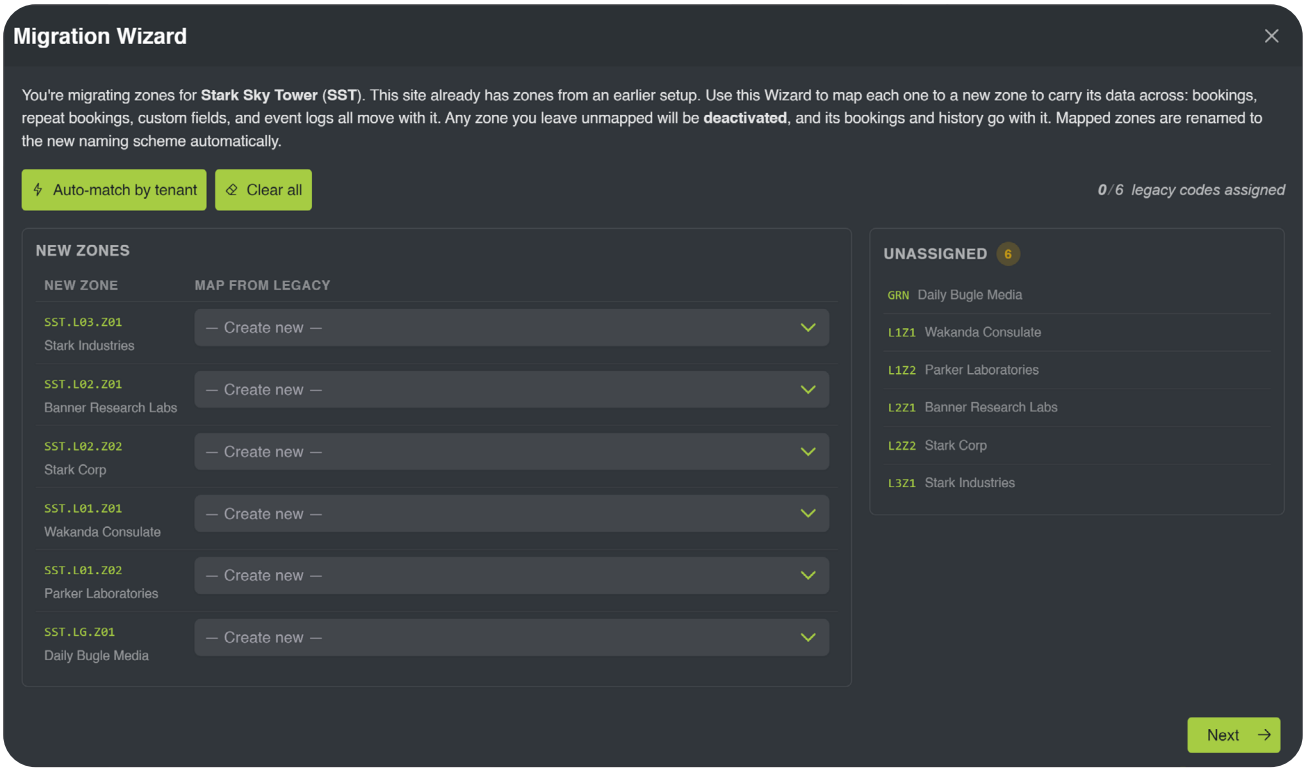
Pro Tip: The Manager’s default access to the Building Manager is limited to the following functions:

- Creating and assigning tenants to zones
- Setting a zone’s status
- Adding/changing zone descriptions

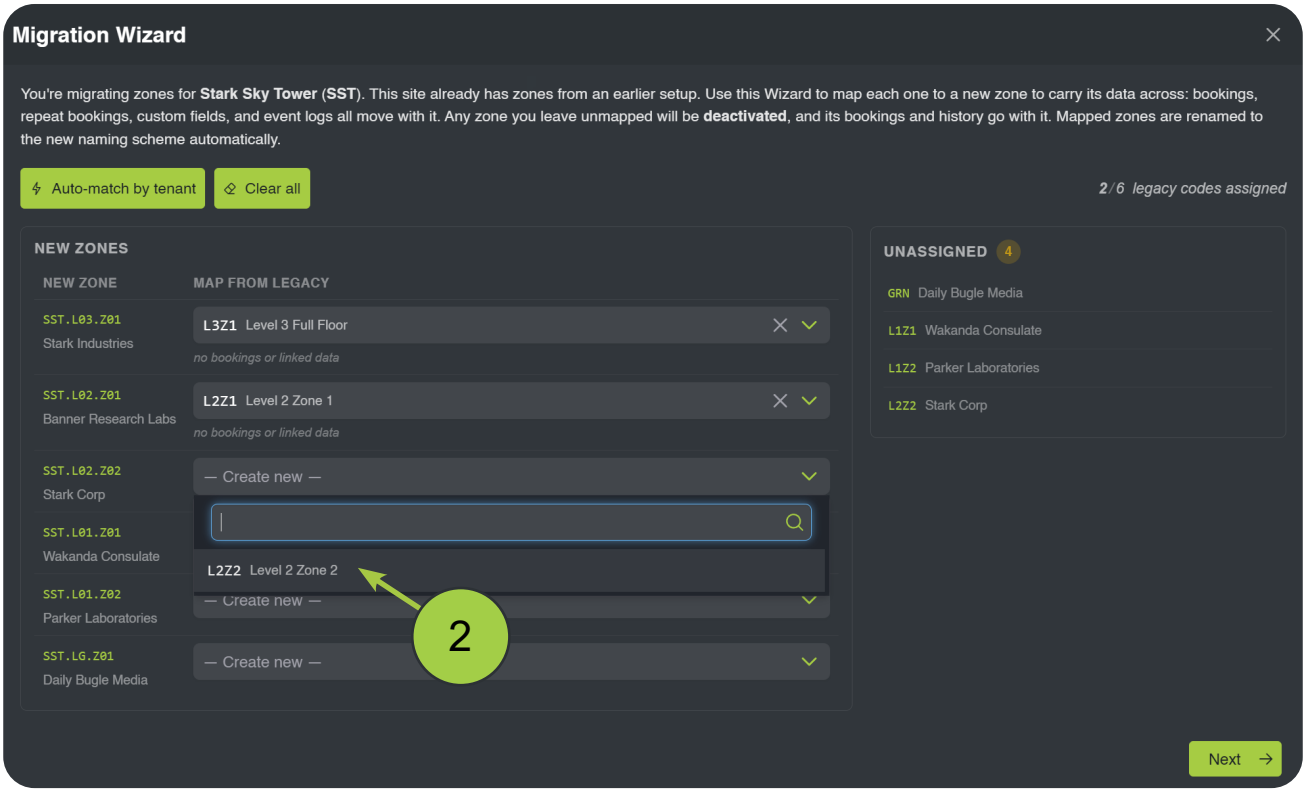
Using the Import Wizard

If you already have a site and levels that exist in the Zone Manager, you will need to use the Import Wizard to complete the set up. The Wizard allows you to assign your existing levels, zones and tenants to the new ones you created in the Building Manager.

1. Once you **save for the first time**, the Import Wizard will open, displaying your new zones (left side) alongside the existing zones (right) still unassigned.



2. Click each dropdown to locate and assign the legacy zones. Then hit the Next button.

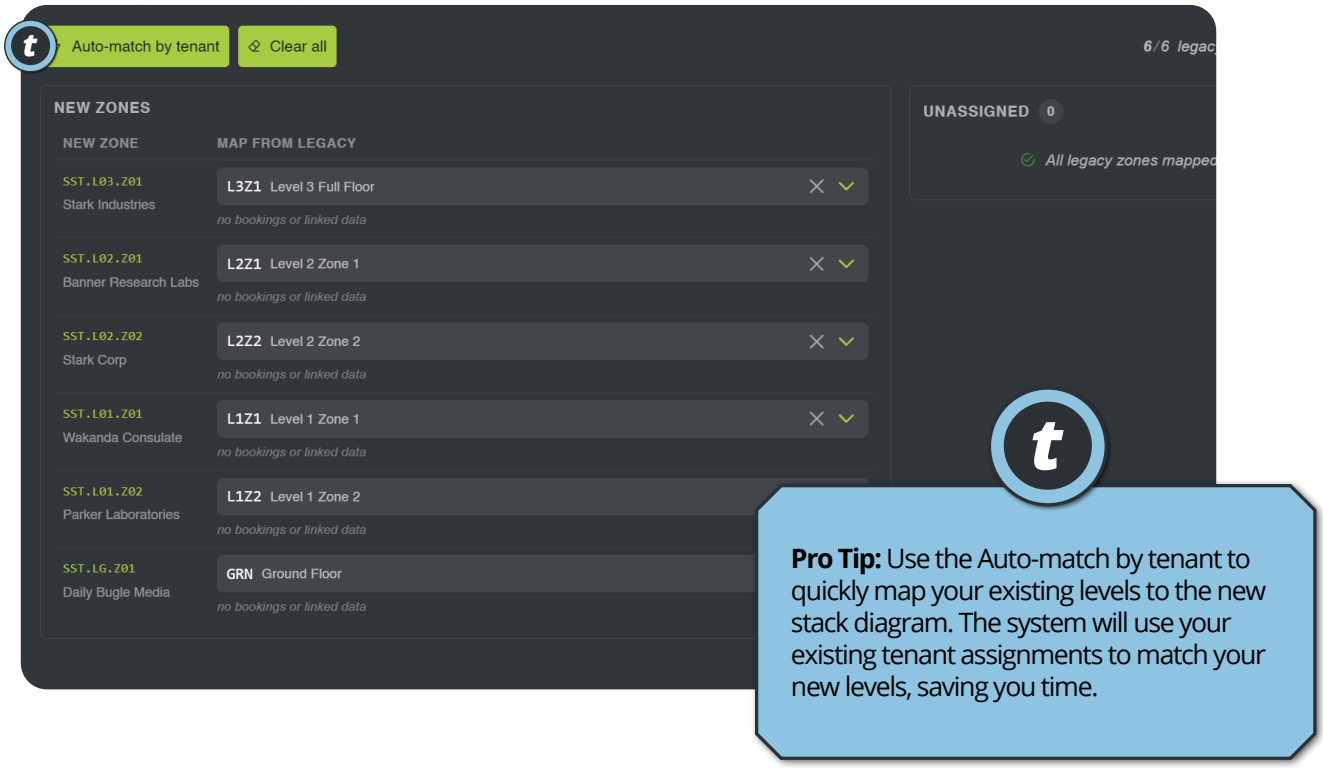


3. In the next window, confirm the levels to rename. If incorrect, hit the back button and make the needed changes. In this example, we see that 6 zones will be renamed, 0 will be created and 0 will be deactivated. Hit the Migrate button.



Your site migration is now complete. As a System Admin, you can now use the Building Manager and your new stack diagram to:

- Add new levels and zones
- Change the status of a level
- Reassign tenants to new zones
- Create and add new tenants
- Update zone descriptions
- Add towers



Pro Tip: Use the Auto-match by tenant to quickly map your existing levels to the new stack diagram. The system will use your existing tenant assignments to match your new levels, saving you time.

Zone Manager (Formerly “Floor Manager”)

Location: **Main Menu > Settings > Zone Manager**

The Zone Manager works with the Building Manager by offering more functions related to levels, zones and tenants. These functions include adding floor plans, price overrides, defined fields and create billing groups. **NOTE:** You cannot create or delete zones in the Zone Manager if you have a stack diagram in the Building Manager.

You can learn more about the Zone Manager in the **7NOX Manager Guide.**

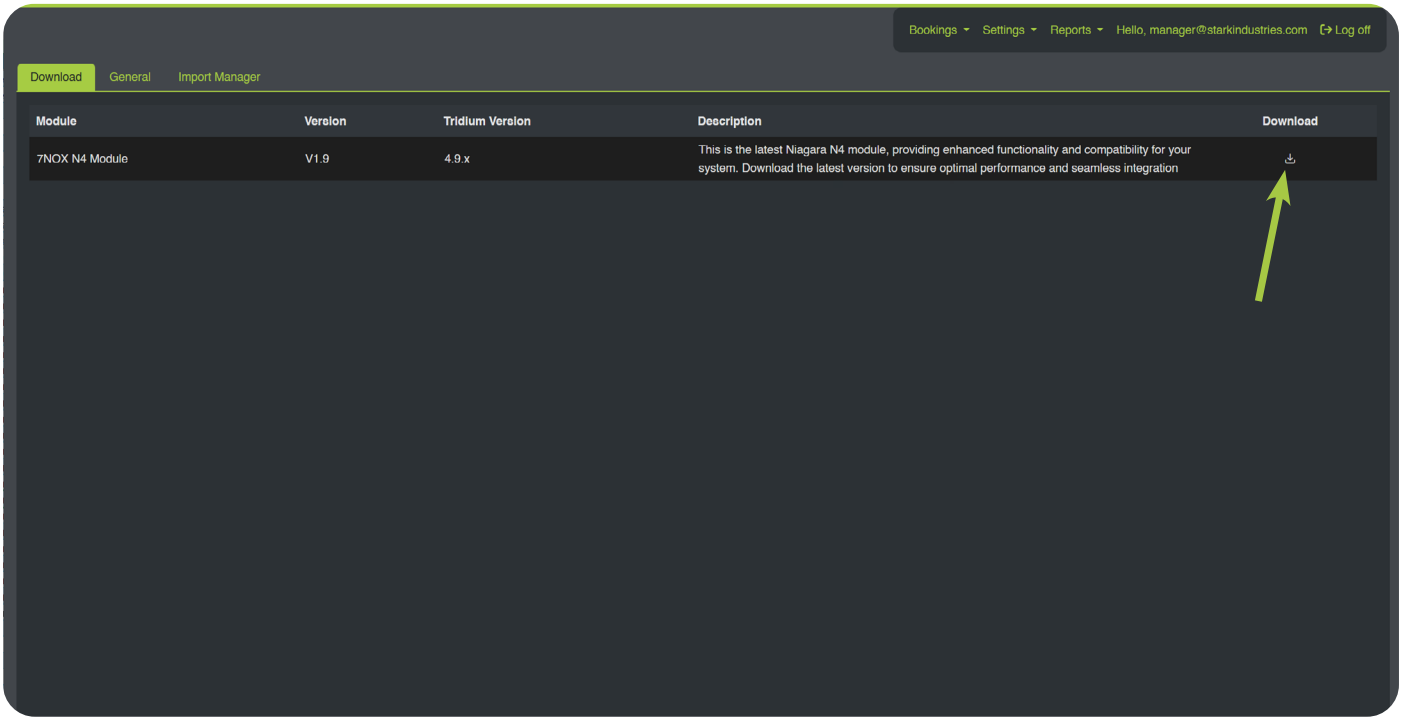
Platform Manager

Location: **Main Menu > Settings > Platform Manager**

The Platform Manager is where managers can download 7NOX modules, add T&C’s to your portal front end, or make **bulk changes** to your sites’ floors, tenants and users.

Download the 7NOX Niagara Module

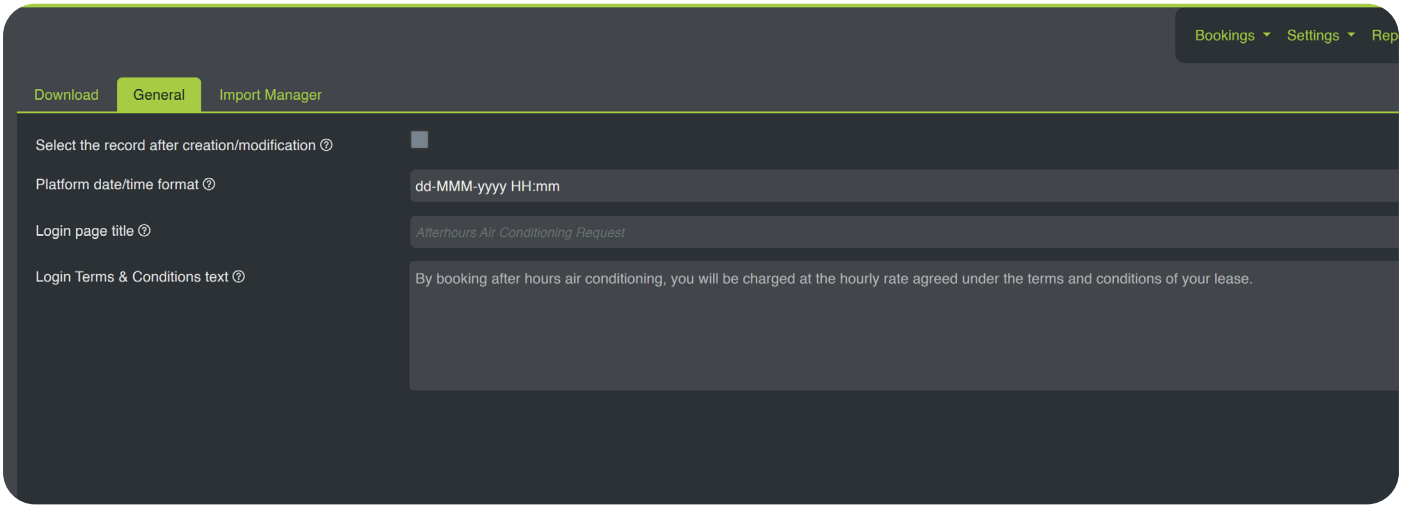
You can download the Niagara Module from within the Platform Manager in the **Download tab**.



After downloading the 7NOX Niagara Module, you can find integration how-to videos and PDF manuals on our Training page.

General Settings

Here are the settings you can change in the General tab of the Platform Manager

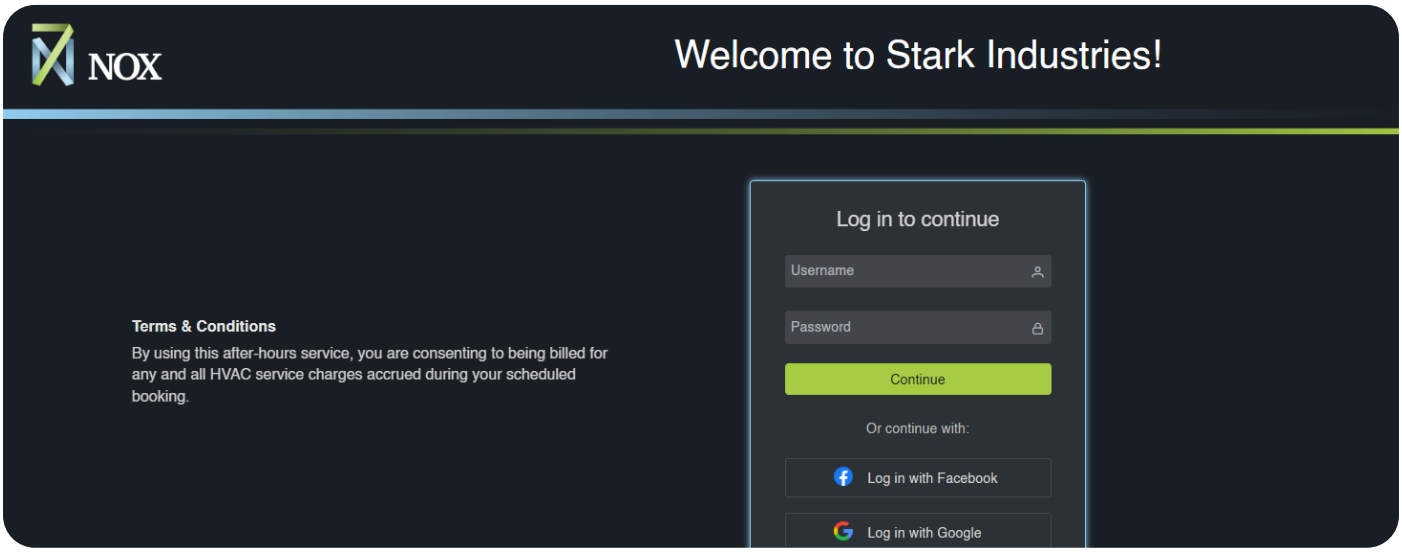


Login Page title

Change the title of your login page to reflect what you want your tenants to see when logging in. Can you add your company name or a custom greeting.

Login Terms & Conditions text

Create a T&Cs statement or other disclaimer at the front of your login page.



Select the record after creation/modification

When creating or editing records like bookings, you can choose whether the system continues to select the record after you've created or de-selects it. This can save time if you're creating many records one after another.

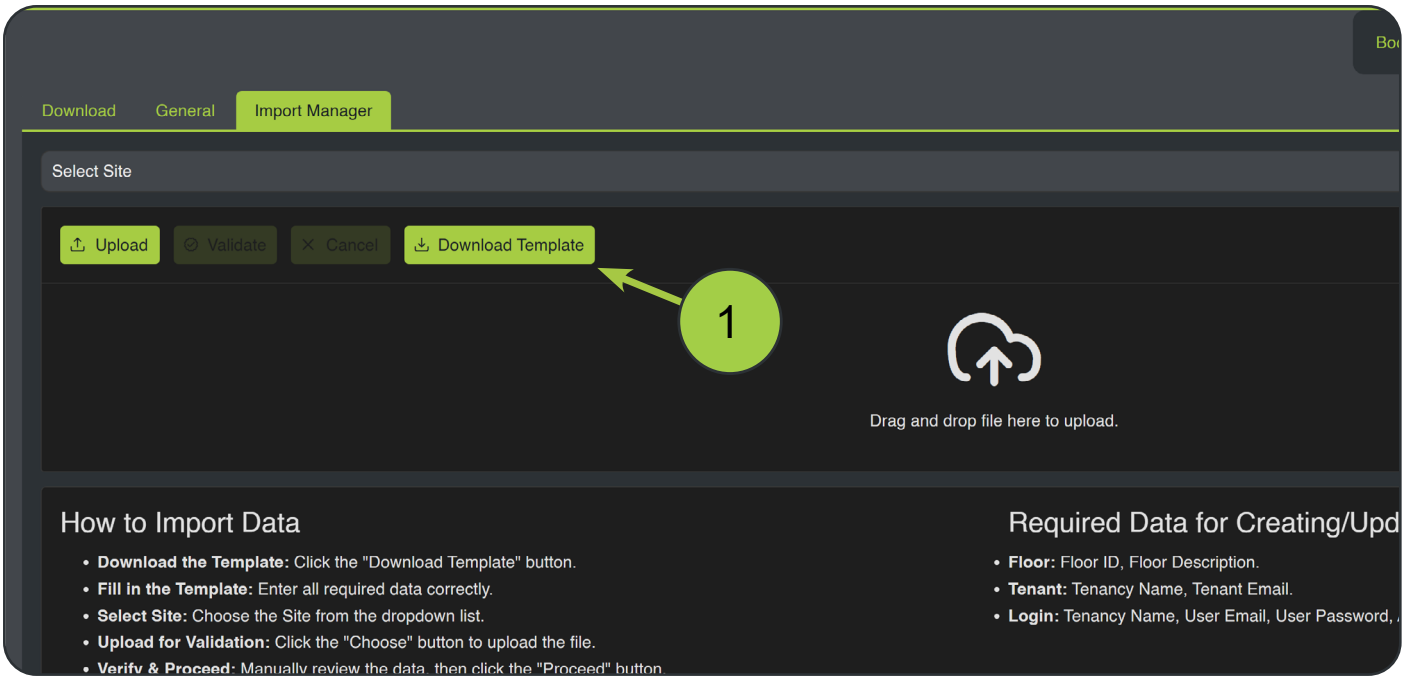
Platform date/time format

This is your platform's master date/time format. Setting it applies it to any record (e.g., booking, tenant) that is not associated with a site or associated with multiple sites.

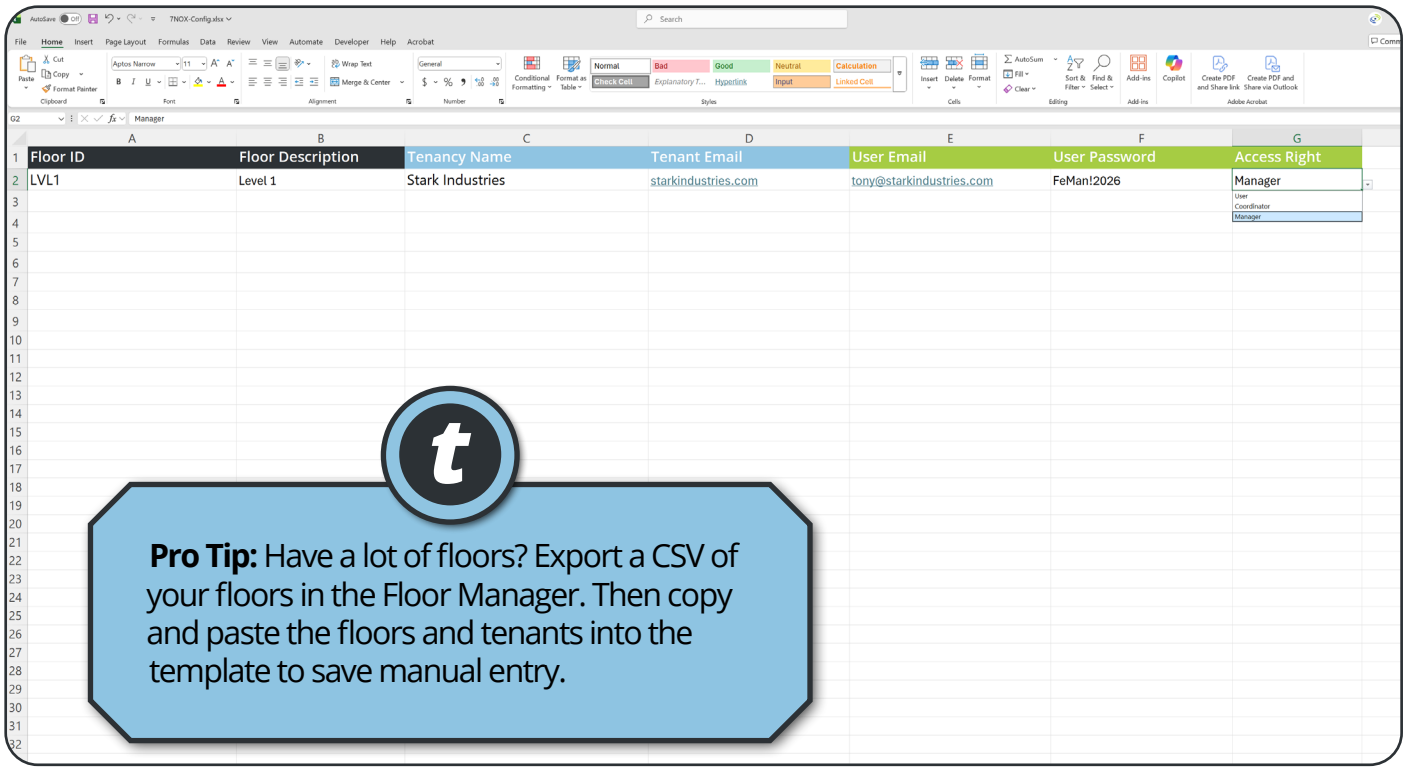
Import Manager

By using the Import Manager, you can save time when making bulk changes to your floors, tenants and users.

1. Download the Template: Click the “Download Template” button.



The 7NOX Import Manager Template is an Excel file you can download and use to make quick, bulk changes to your sites. **With the exception of the Floor ID**, you can change any or all of these parameters within the same template upload.



2. Fill in the Template: Enter all required data correctly.

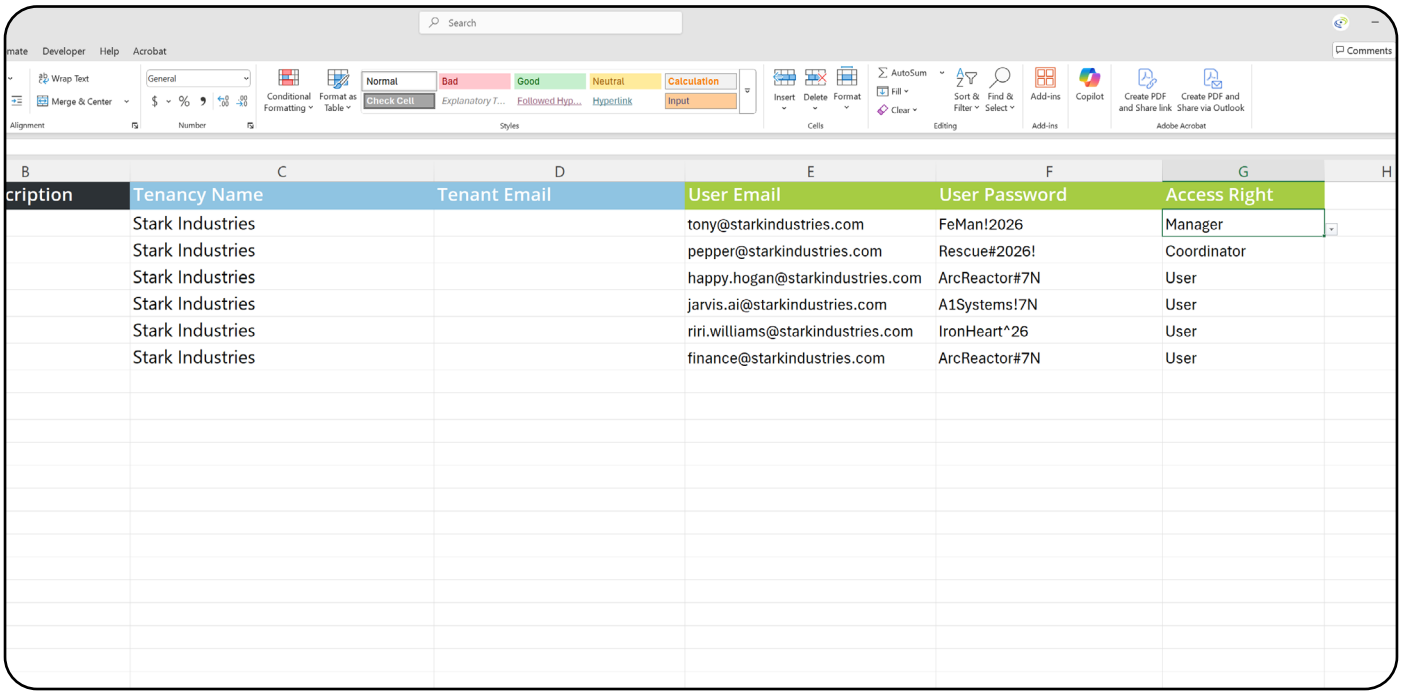
In order to create and/or update records using the template you must include all required information:

Import Manager Required Information

	Floor ID	Floor Description	Tenancy Name	Tenant Email	User Email	User Password	Access Right
Floor	✓	✓					
Tenant			✓	✓			
Login			✓		✓	✓	✓

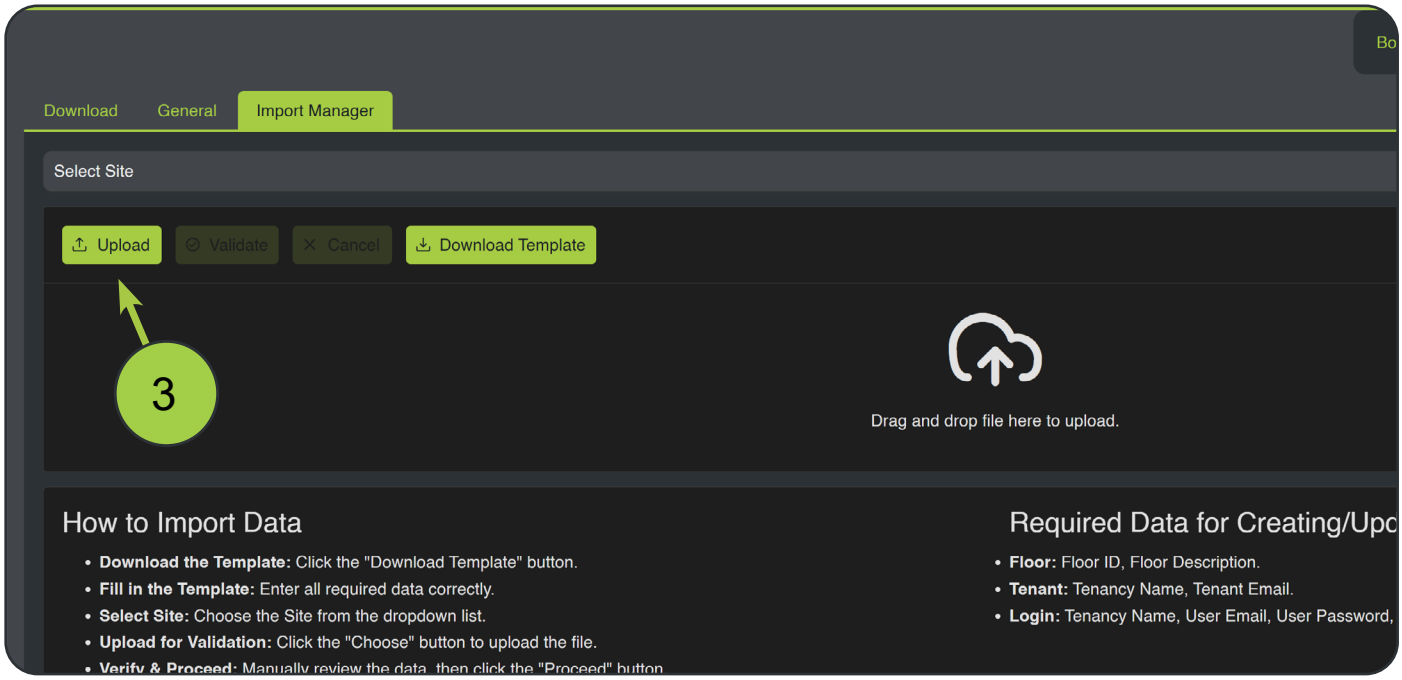
In the example below, a manager is using the Import Manager Template to update one user and create five new ones. For the "tony@starkindustries" user, the manager is changing the password and upgrading the access right to "manager".

In addition, the manager is adding five brand new users. Because all required information is supplied (Tenancy Name, User Email, User Password, and Access Right) the 7NOX system can make the required changes. **NOTE:** although the "tony@starkindustries.com" user already exists, the Tenancy Name is *still required* to update the password and access right.



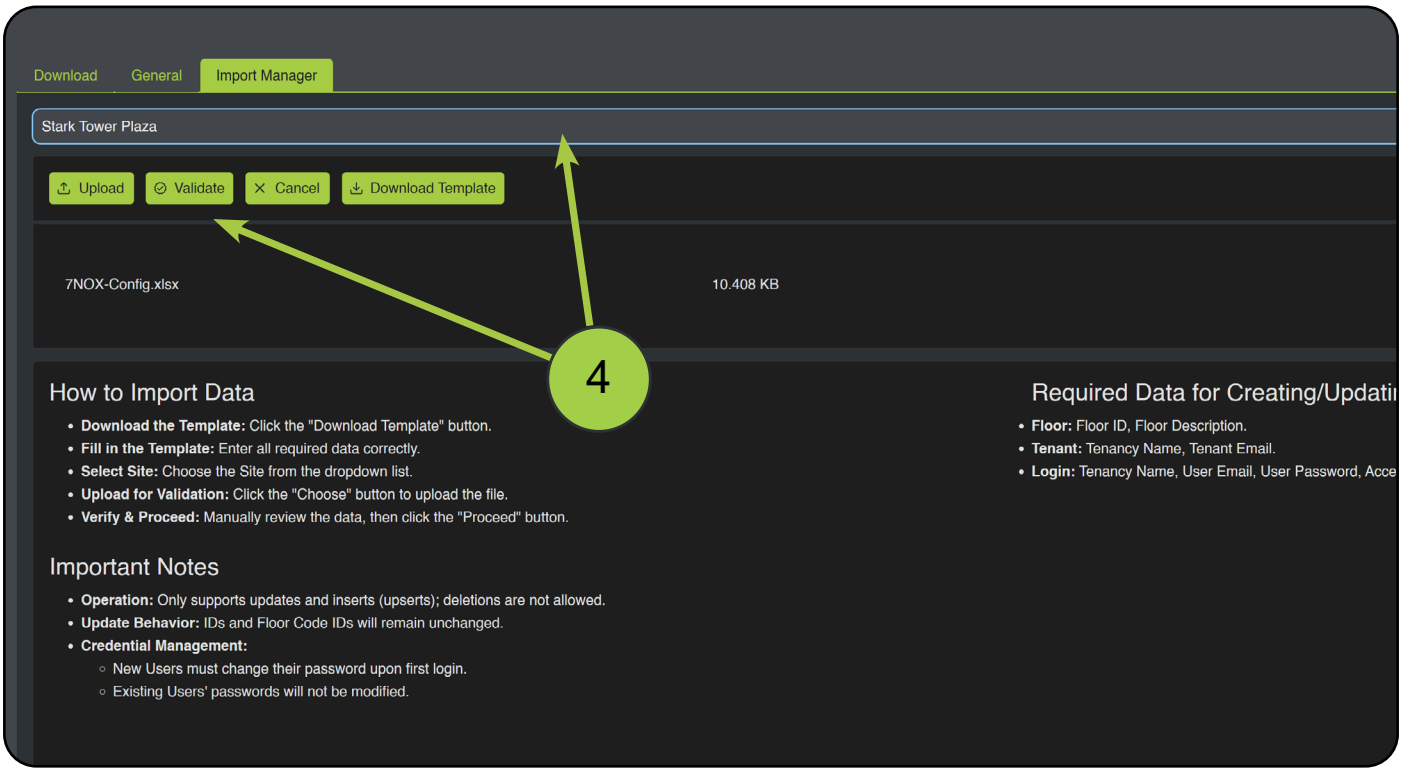
cription	Tenancy Name	Tenant Email	User Email	User Password	Access Right
	Stark Industries		tony@starkindustries.com	FeMan!2026	Manager
	Stark Industries		pepper@starkindustries.com	Rescue#2026!	Coordinator
	Stark Industries		happy.hogan@starkindustries.com	ArcReactor#7N	User
	Stark Industries		jarvis.ai@starkindustries.com	A1Systems!7N	User
	Stark Industries		riri.williams@starkindustries.com	IronHeart^26	User
	Stark Industries		finance@starkindustries.com	ArcReactor#7N	User

3. Hit the Upload button in the Import Manager and select the prepared template file.



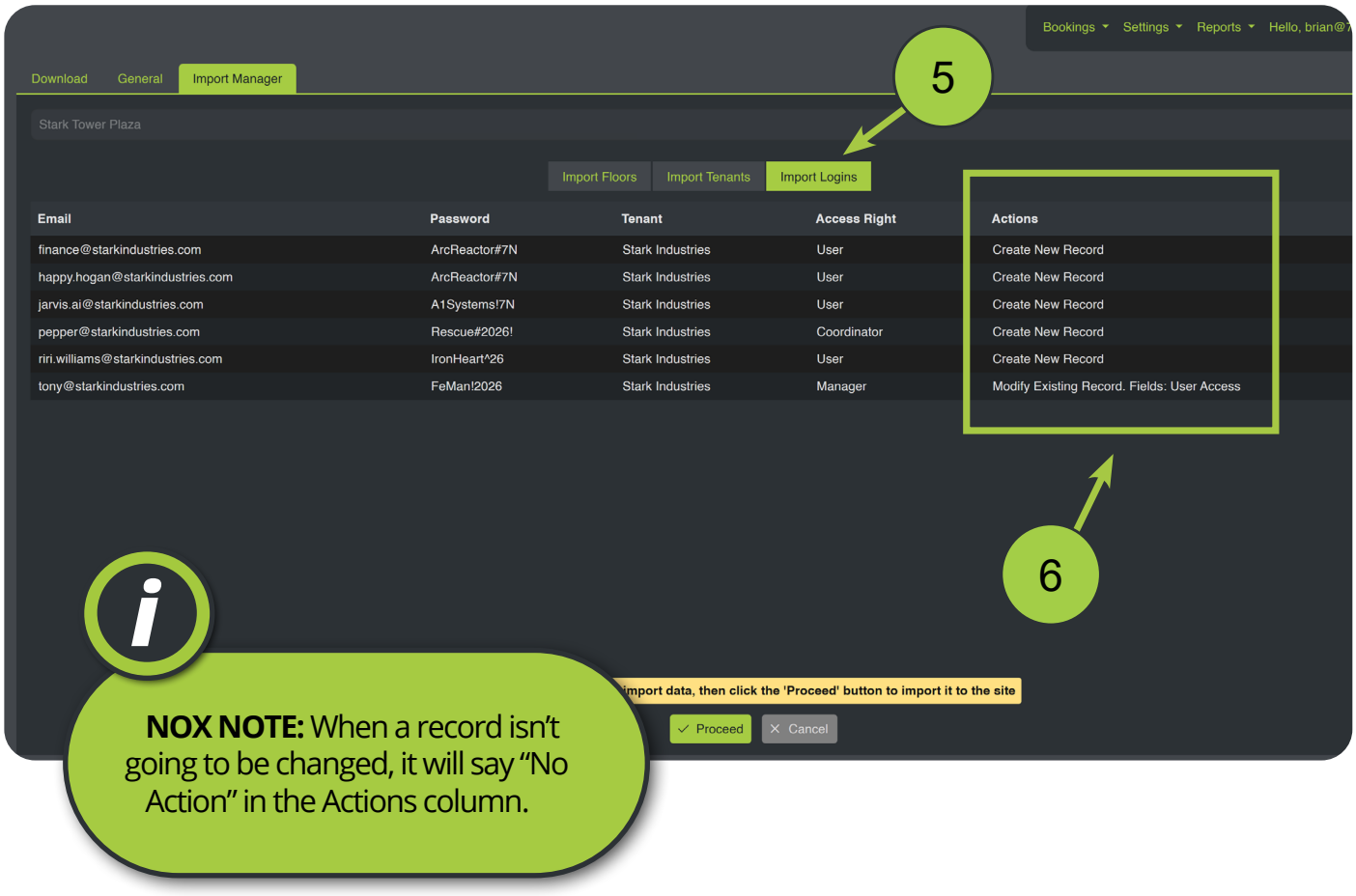
You should now see your file name appear in the Import Manager window.

4. Choose the appropriate site from the dropdown and hit the Validate button



5. Select the appropriate tab for validating actions

The validation window has three different tabs for confirming changes for importing floors, tenants, and logins. Using the previous example, the manager would select the Import Logins tab to view the actions being taken for the updates.



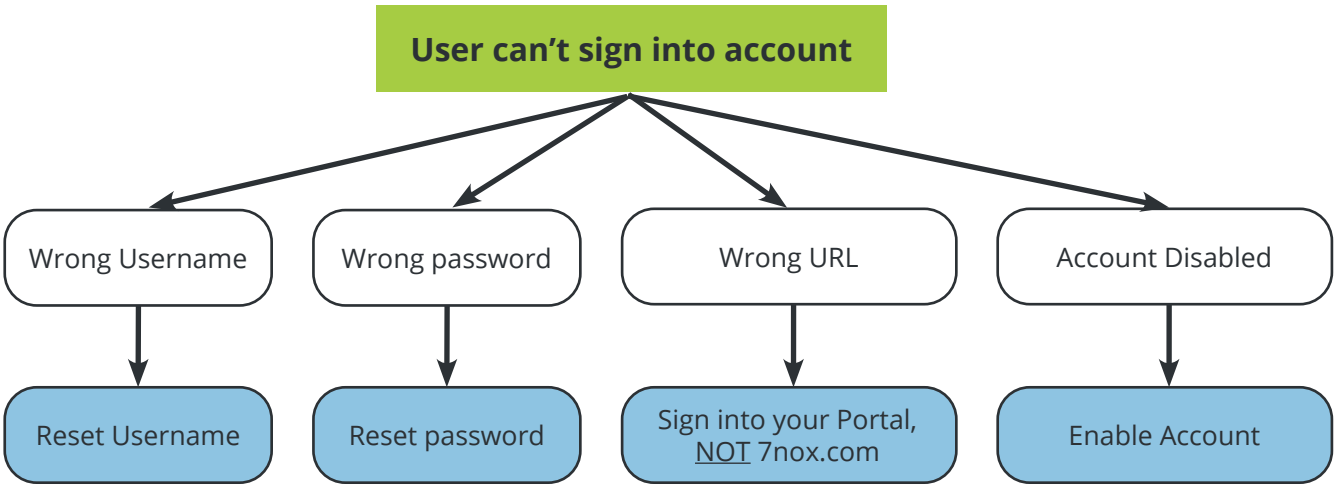
6. Verify & Proceed: Manually review the data, then click the "Proceed" button.

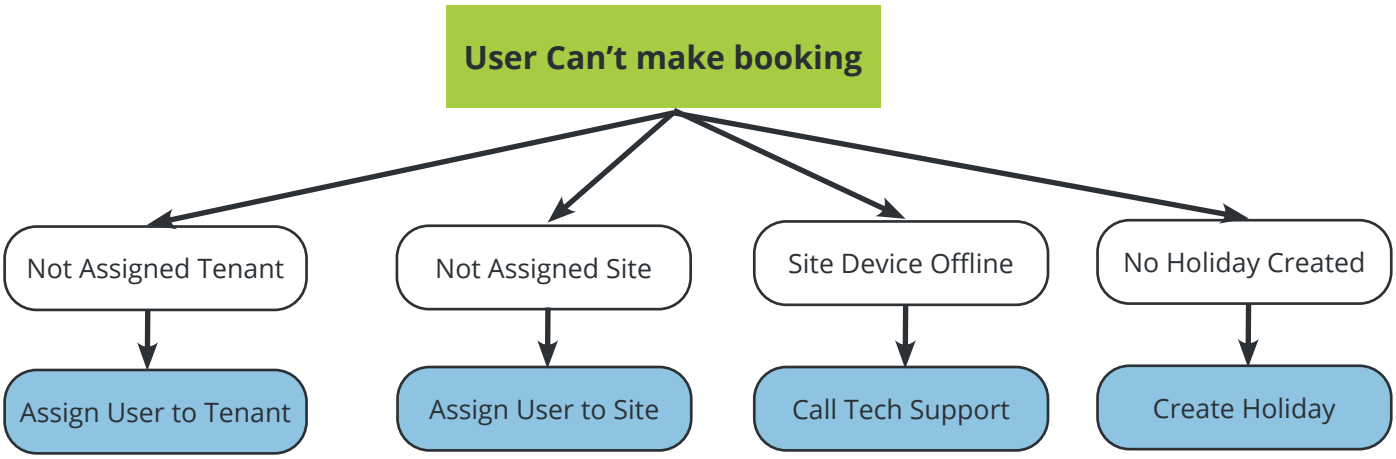
In the "Actions" column above, we can validate the account changes:

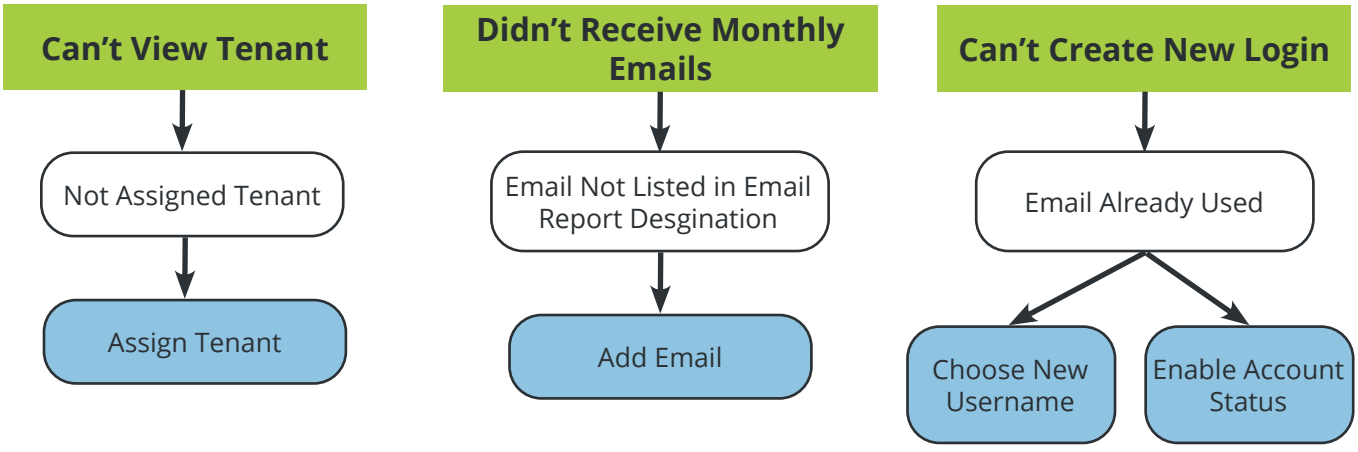
- Five new user accounts are set to **"Create New Record"**
- The existing "tony@starkindustries.com" is set to **"Modify Existing Record. Fields: User Access."**
- All of the new correct passwords are now showing in the "Password" column.

These changes align with the intended changes, so we can hit the Proceed button to complete the import process.

Troubleshooting Chart







Document Revisions

This document is version controlled via the use of revision numbers. The revision numbers will be incremented each time the document is changed. A minor revision will be indicated by a change to the number to the right of the point, such as from 1.1 to 1.2. Normally the document will only be formally re-distributed when the major version changes, indicated by a change in the number to the left of the point, such as from 1.2 to 2.0.

Revision	Date	Comments
1	14/01/2026	v3.5.0
1.1	29/05/2026	v3.5.9. Custom Booking Fields, Updated Site Device
1.2	07/08/2026	Updated point naming & push button points
1.3	17/09/2026	Added Building Manager, Custom Booking Fields

Additional Resources

- Site Device Configuration (Video)
- Site Device Standard Integration (Video)
- Manager Guide
- Ops Teams FAQ
- 7NOX Blog



7NOX is a product of OpSys Solutions Ltd, a New Zealand-based hardware and software developer. Visit our website. We're located at 17 Nixon Street, Grey Lynn, Auckland 1021