Outline of Commissioning Process

- Instance Activation- Activate your instance, Update customer info etc.
- Configuration of inspeXtor Ips
- Discovery of Node Drivers- Auto discovery, Update pull schedule & Enable cluster Mapping.
- Configuration Templates and its Mapping.
- Control Clusters/individual Nodes
- Apply hardware Policy settings
- Create/ edit Lighting Policy.

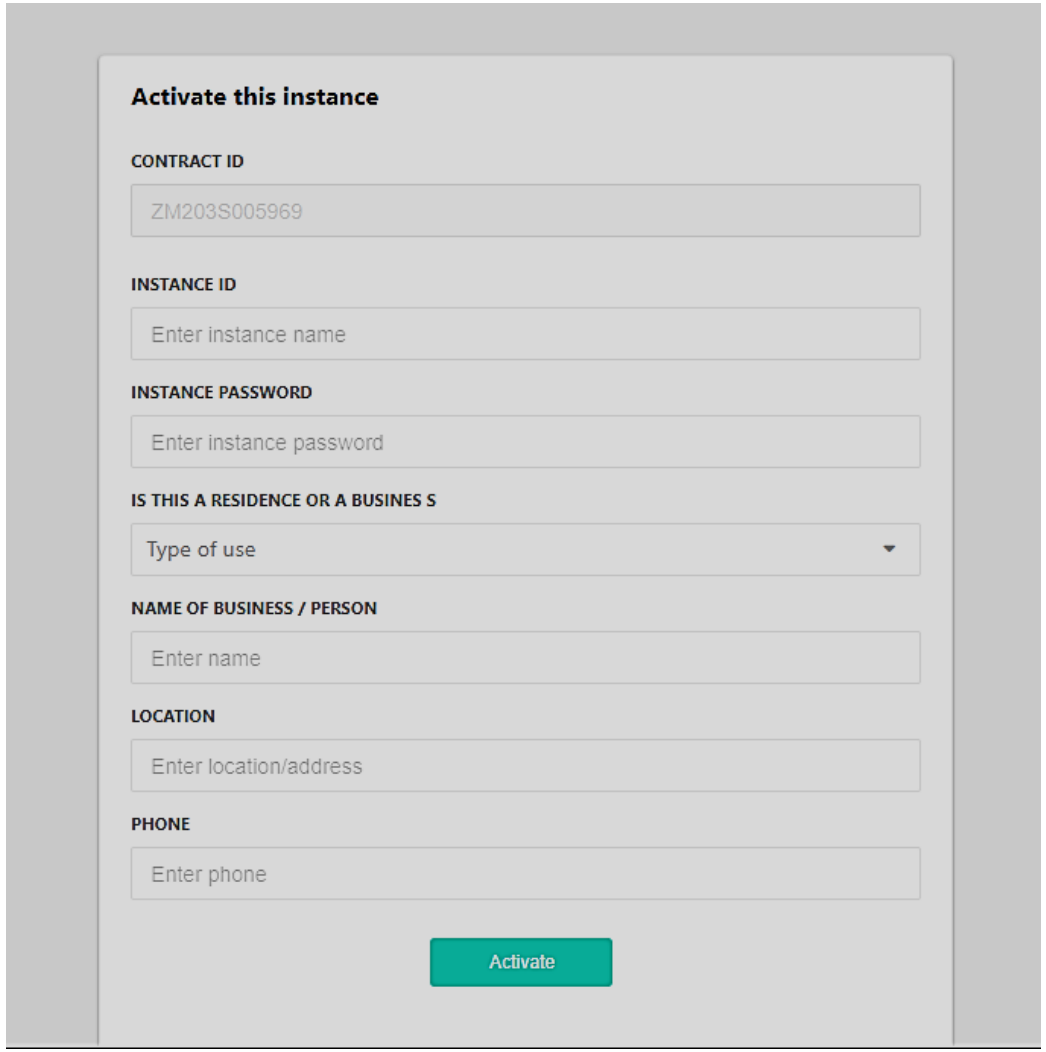
Find out Local IP of inspeXtor

InspeXtor Obtained its IP address from DHCP server once connected to network

Or

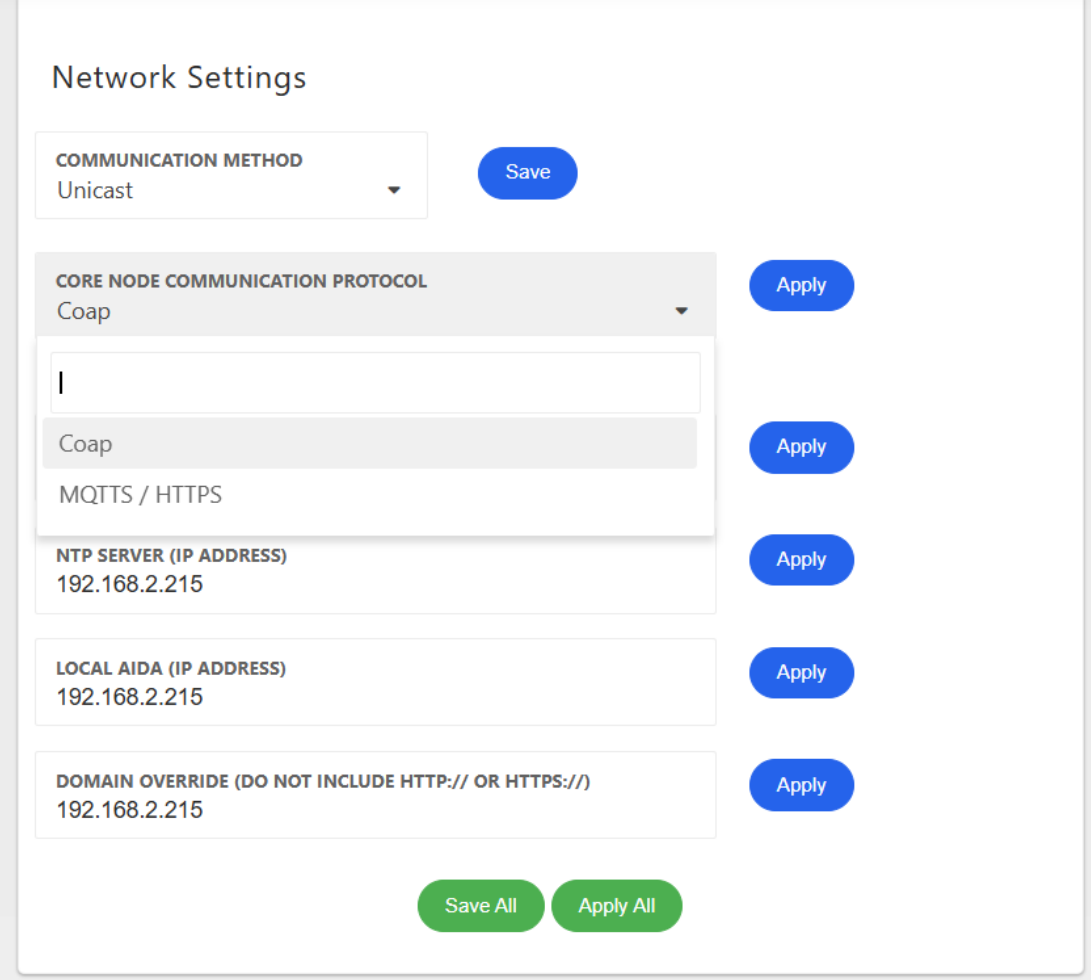
We can statically assign IP address to inspeXtor server as per clients network requirements

Instance Activation



- To activate the instance, collect Instance ID and Password from MHT engineers.
- Select your Type of Use
- Update your Name/Business Name
- Update your address
- Update Your phone number and activate your instance
- After Instance activation, verify that all data and settings has been erased.

InspeXtor Setting Page

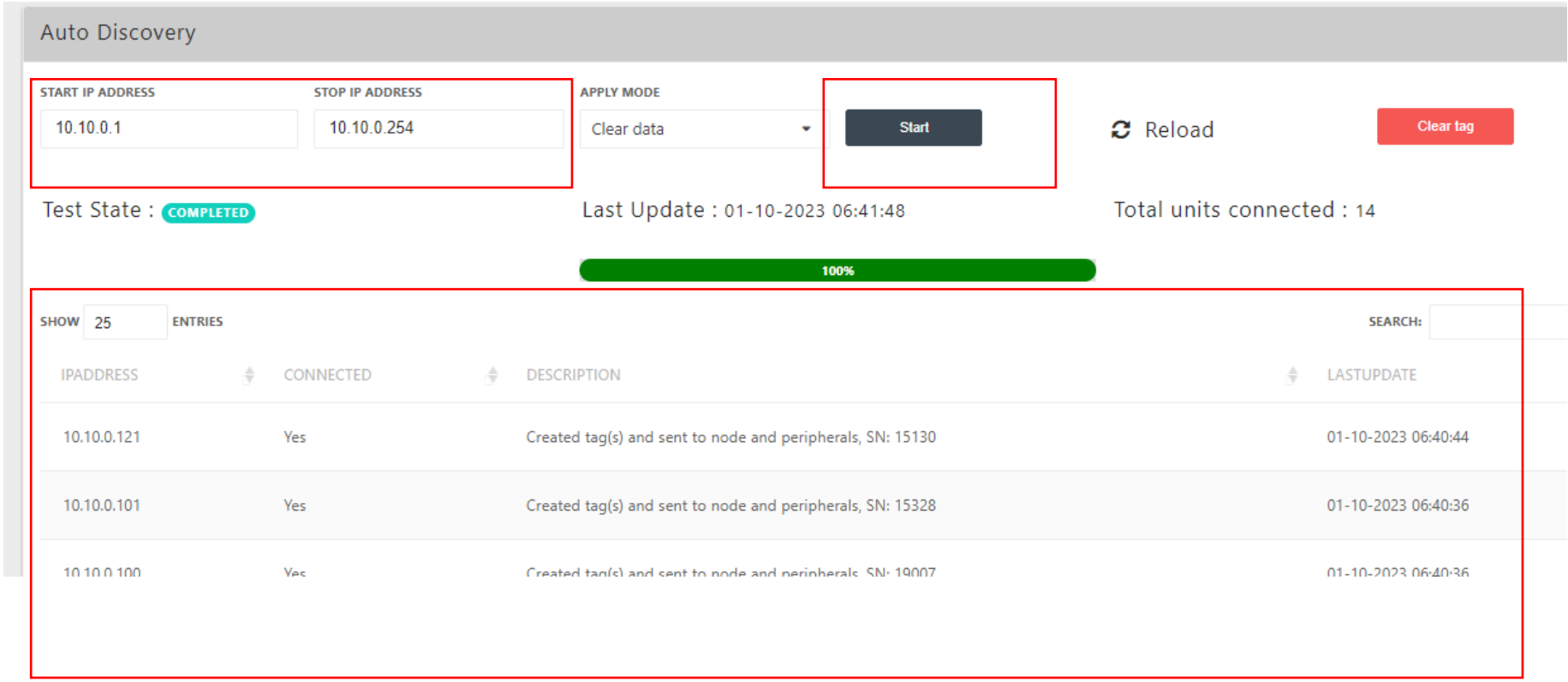


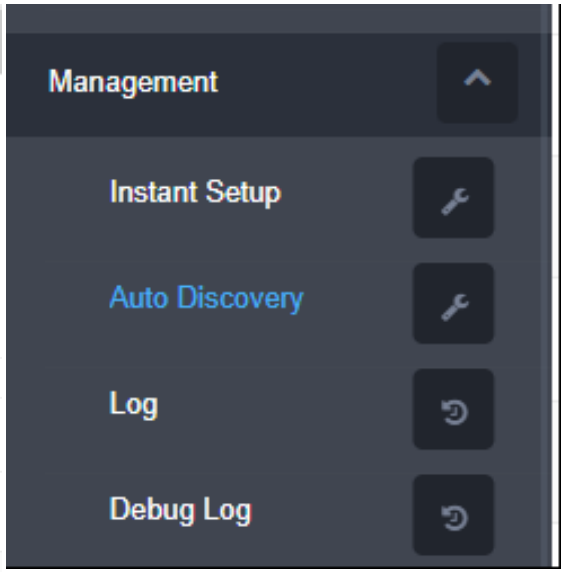
- Default Values will get displayed here.
- Select Communication method as unicast or broadcast according to your network design
- Select Core Node communication protocol as Coap or MQTTS/HTTPS as per your choice
- Enter your Local/TFTP /NTP Ips according to your network

Auto discovery

Go to Management →Auto discovery

Input IP Range for Node drivers connected in network and Perform Auto discovery



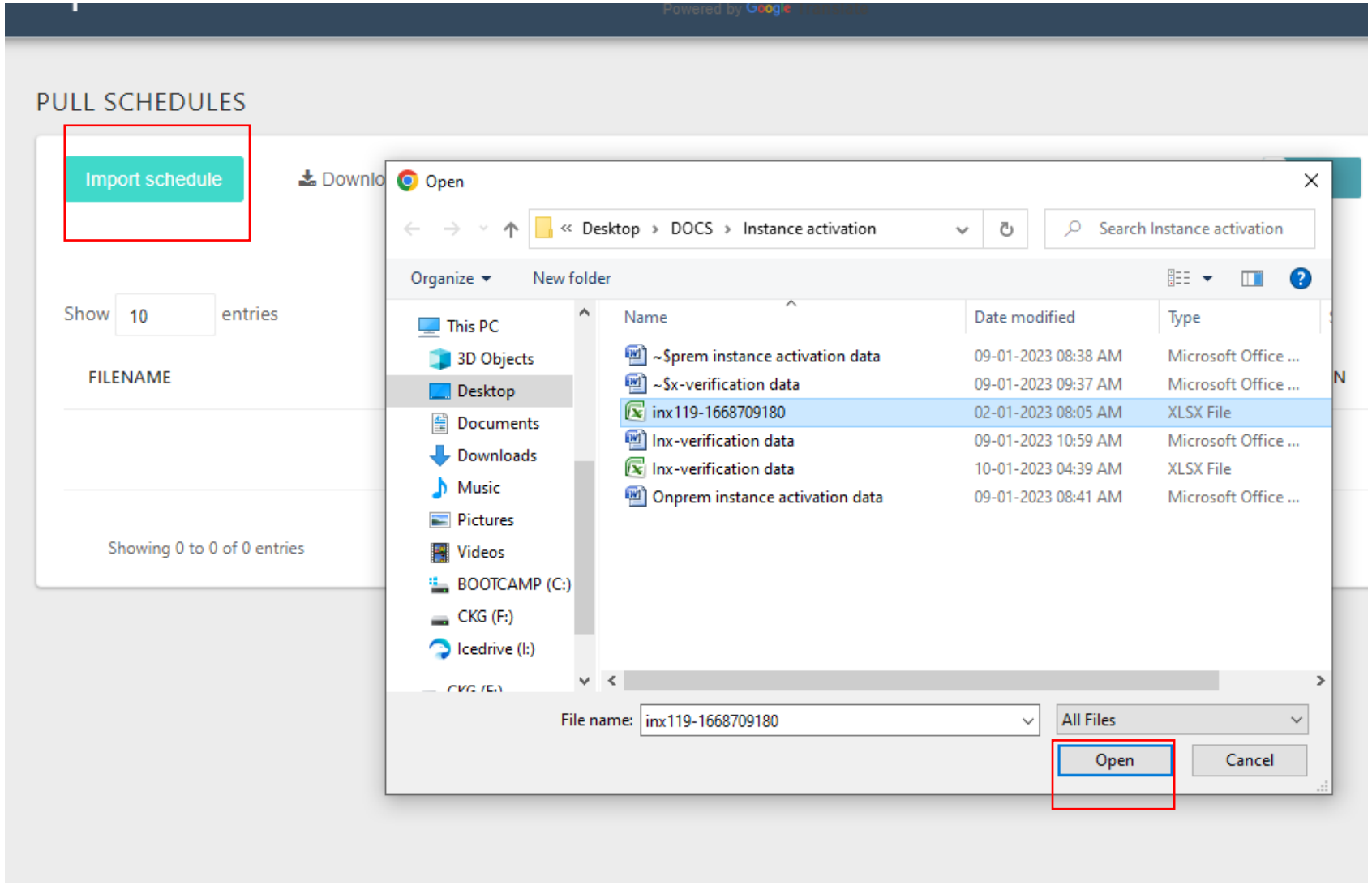


Pull Schedule

It is Map of all Node Drivers connected in POE network.

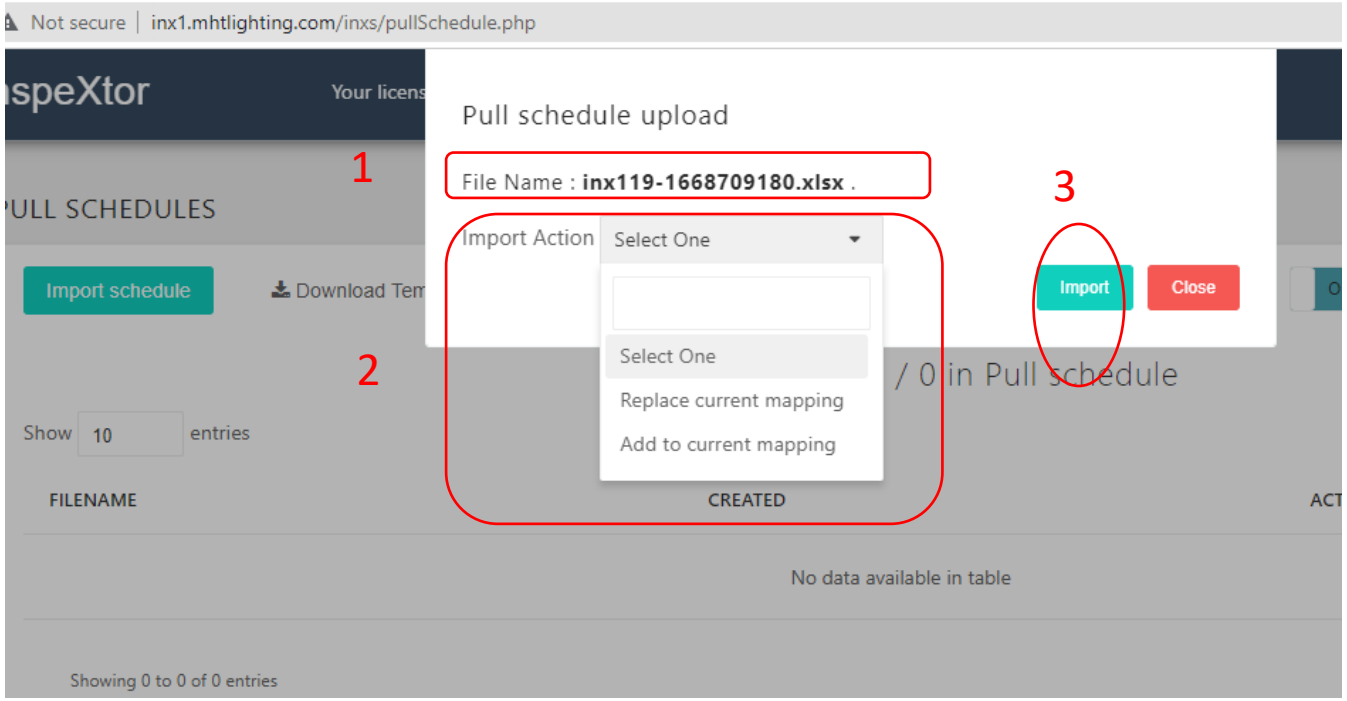
We can download Pull schedule Template from software

Pull Schedule



- Upload Pull schedule File using Import schedule button
- Select pull schedule file from your local computer and click on open as shown in diagram

Pull Schedule



1. **Pull schedule upload completed**

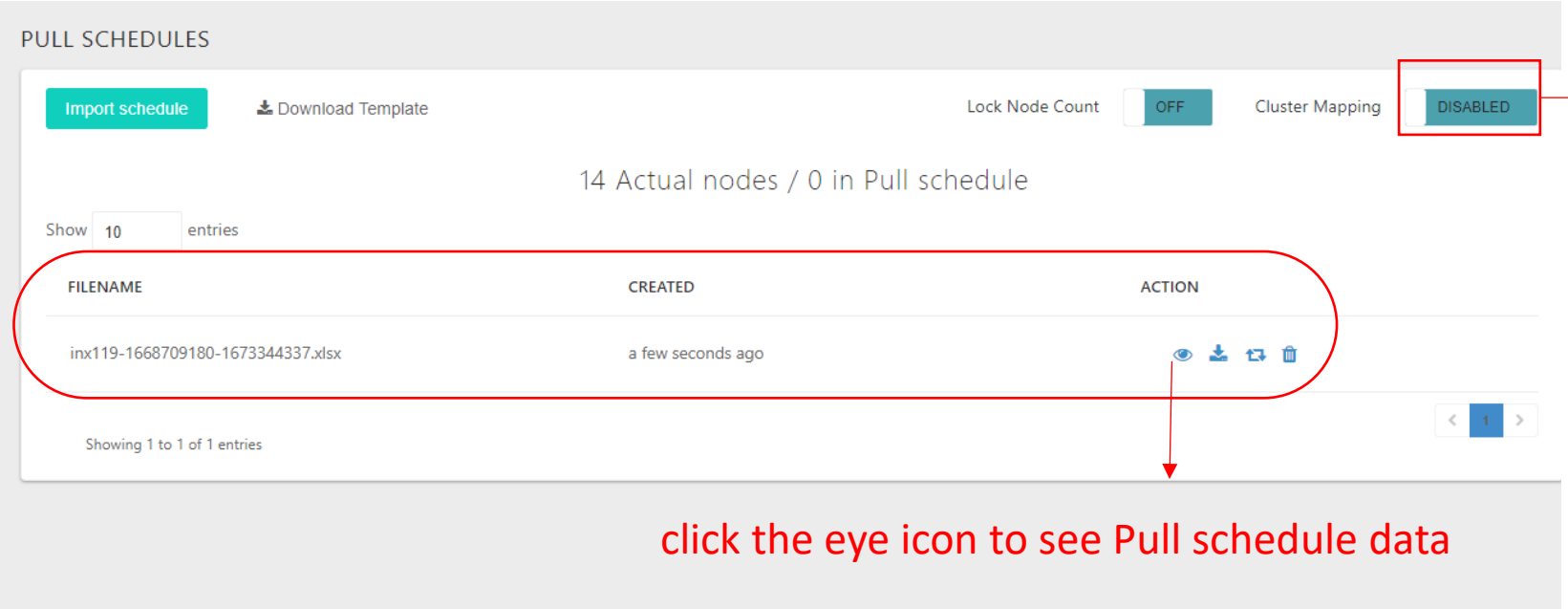
2. **Select from Import action dropdown: Replace/add**

->Replace current mapping: to clear any active cluster in the instance and load data from uploaded pull schedule file.

->Add to current mapping: keep existing cluster and load data from uploaded pull schedule file.

3. **Click import**

Pull Schedule

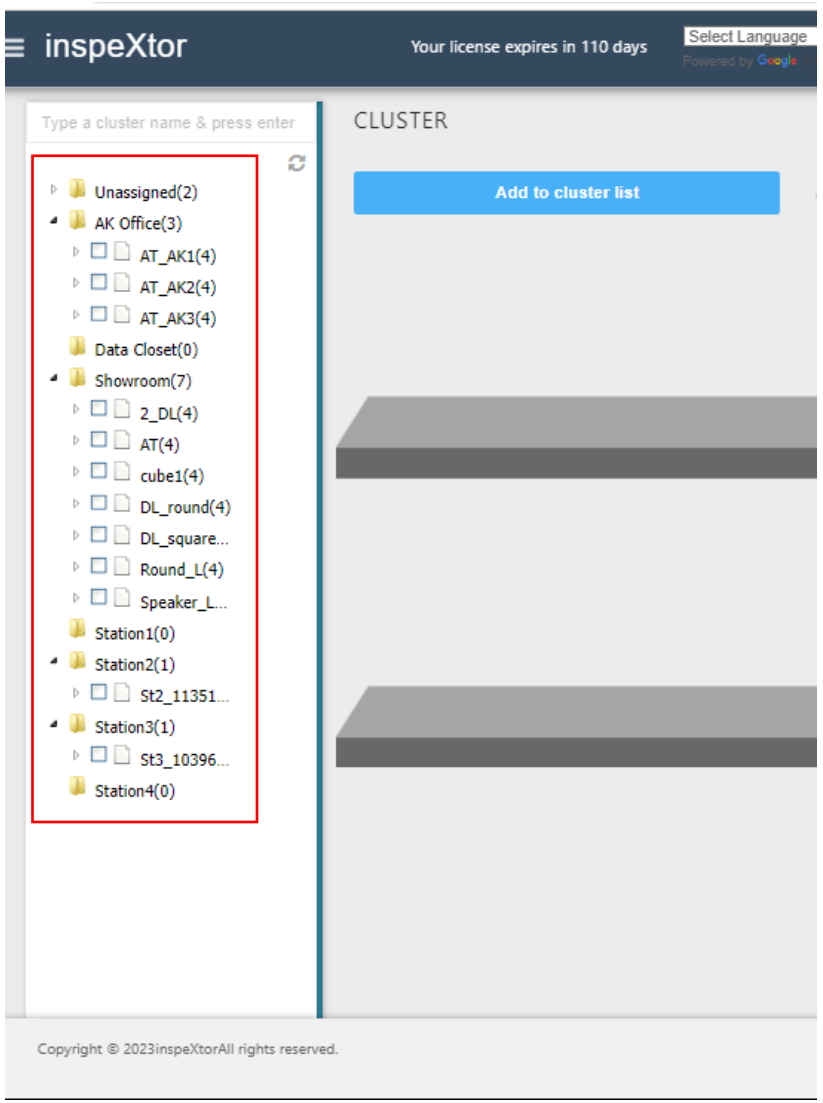


After Pull schedule upload, it is important to enable cluster mapping.

click the eye icon to see Pull schedule data

After successful import file will be listed as below.
Check file data is correct. (click the eye icon)

Verification of Clusters



1. Go to Cluster menu under commissioning.
2. Check all clusters are created and nodes are mapped under each cluster. (it takes 10 – 15 mts to show nodes in the cluster)
3. If nodes are not created properly, please contact support team

Configuration Templates and Its Mapping

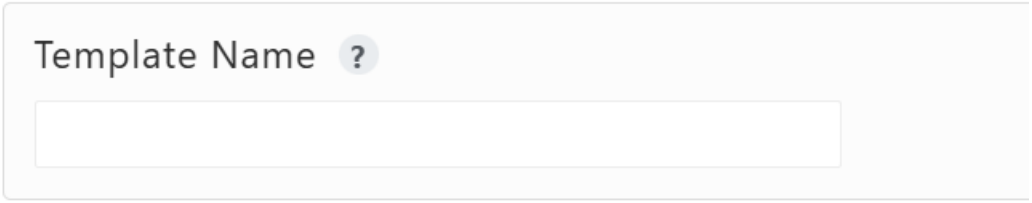
- Create a configuration template to configure Node parameters correctly
- Once configuration templates are created, map it to its corresponding cluster

ITS VERY IMP TO APPLY ALL & SAVE ALL INSPEXTOR IPS THROUGH INSPEXTOR SETTING PAGE

AFTER NODE CONFIGURATION MAPPING IS FINISHED.

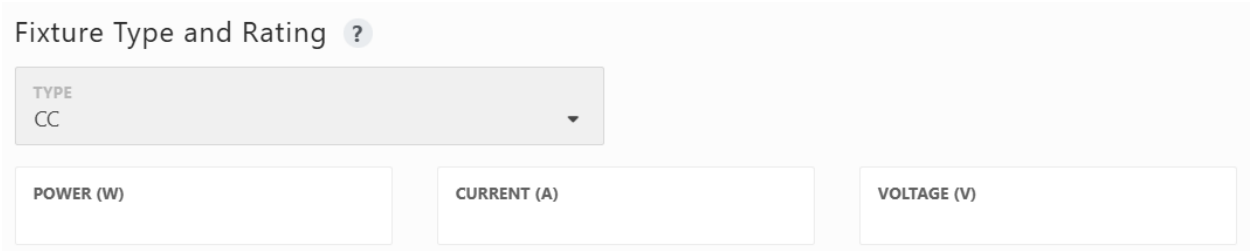
Core Node Config Template

Section1: Template Name



Input Template name as per your naming convention.

Section 2: Fixture Type and Rating



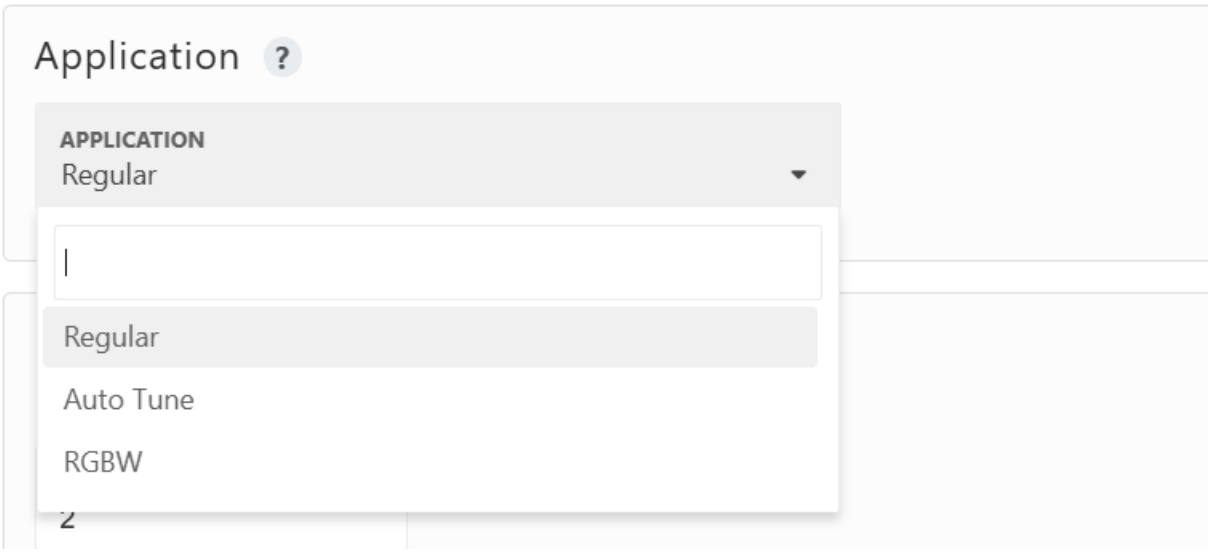
Depending on the type of fixture you are using, select the appropriate option:

- **CC:** Choose this if you are using a CC Node.
- **CV:** Choose this if you are using a CV Node.
- **Disabled:** Select this to disable the node's output channels. No outputs will be available when this option is chosen.

Also input fixture parameter as per fixture specifications.

Power, current and its Voltage.

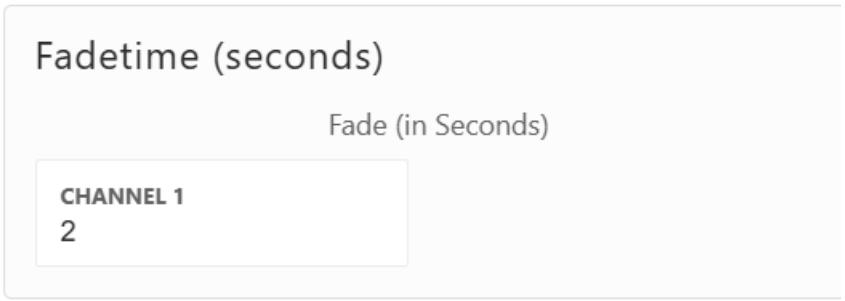
Section3: Application



Application Selection:
Choose the appropriate application based on how the node will be used:

- **Regular:** Select this option when using CC or CV fixtures.
- **Auto Tune:** Use this option for color-tunable fixtures. These fixtures have two pairs:
    - **Warm Pair (3000K)**
    - **Cool Pair (5000K)**
- **RGBW:** select this option when using RGBW fixture.

Section4: Feature

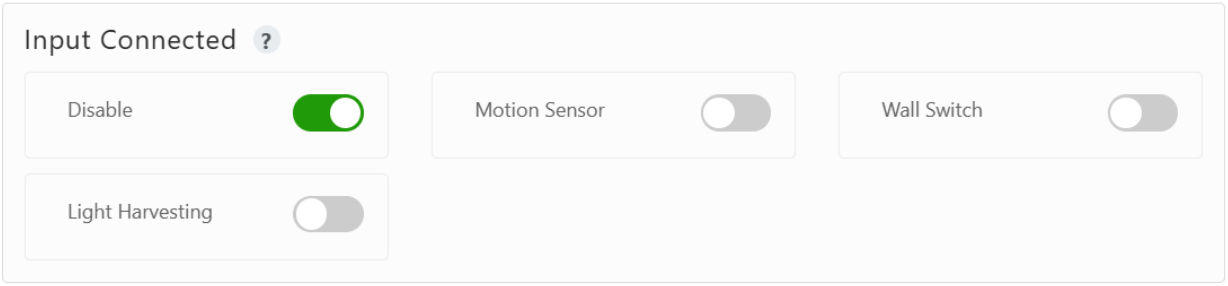


- **Fade (in seconds):**

  Defines how smoothly fixtures transition between states.

  Based on the value entered, the output fixtures will fade over the specified time instead of switching instantly.

Section5: Input



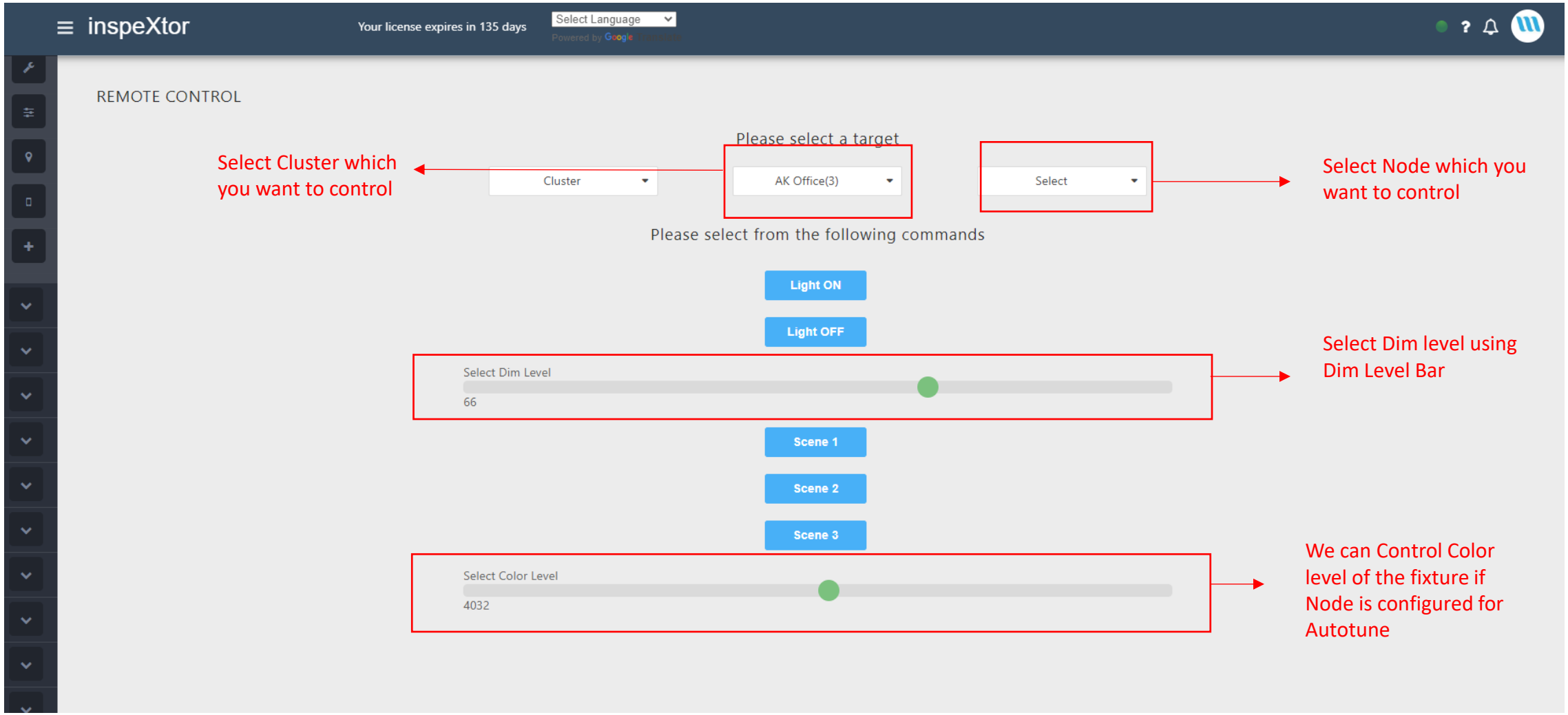
- **Disable:**
  - Select this option if no motion sensor is connected to the node.
- **Motion Policy:**
  - Enable this option if a motion sensor is connected to the node.
- **Logical Occupancy:**
  - Use this option when multiple nodes and multiple sensors are grouped together.
  - Ensures that if one sensor detects vacancy while another detects occupancy, the entire group remains in the occupied state.
  - This prevents lights from shutting off when a person is standing in a corner that only one sensor covers.
- **Occupied Delay (e.g., 0 sec):**

  - Defines how quickly the node changes to Occupied after the sensor is triggered.
  - Example: 0 sec → status changes immediately.
- **Vacant Delay (e.g., 60 sec):**
  - Defines how long the node waits before switching from Occupied to Vacant after the sensor reports vacancy.
  - Example: 60 sec → lights turn off 60 seconds after vacancy is detected.

- **Wall switch**
  - Enable this option if a wall switch is connected to the node.

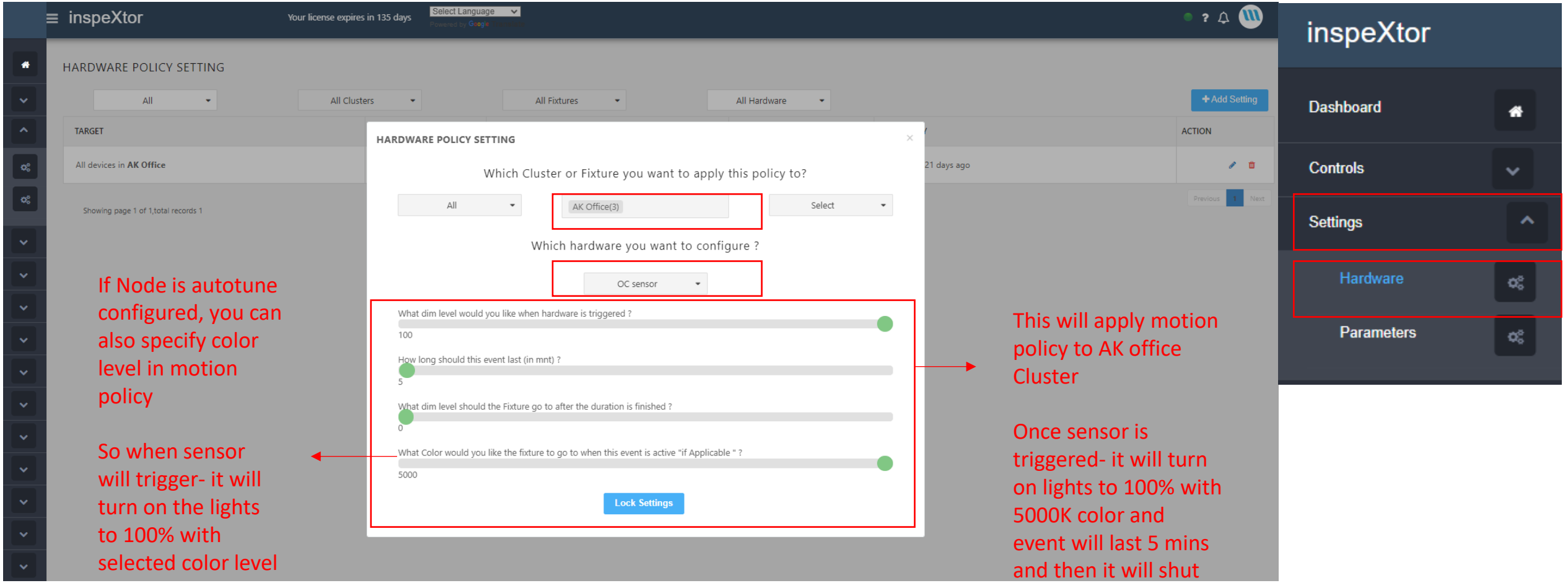
- **Light Harvesting**
  - Enable this option if daylight sensor is connected to core node.
  - Also, this option will let you input timeout period. Specify timeout period as per your choice. If you input 30 minutes as example. It will disable daylight harvesting for 30 mins.

Control cluster / individual Node



Hardware setting page

How to apply Motion policy to individual Node/ Node Cluster



If Node is autotune configured, you can also specify color level in motion policy

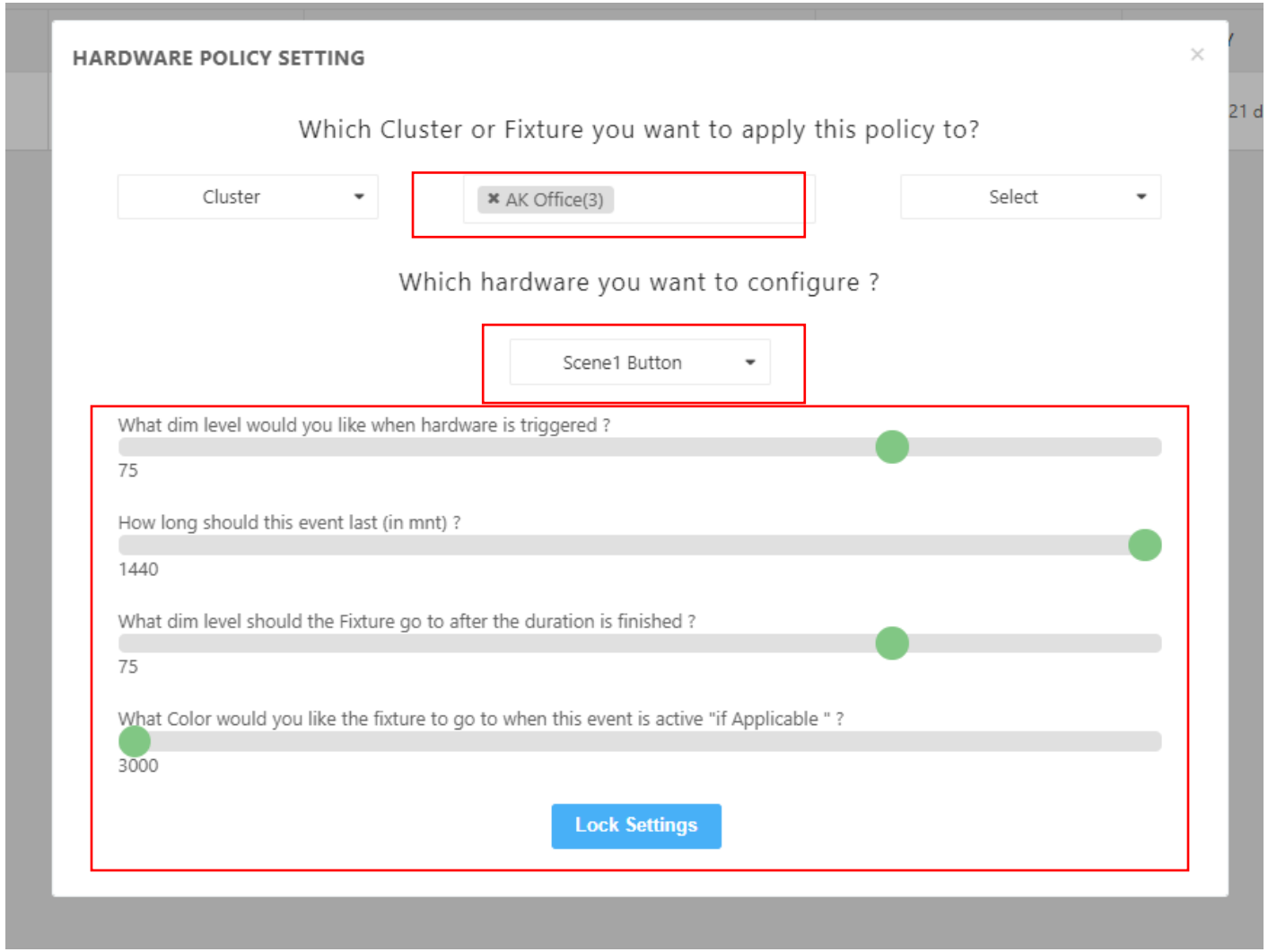
So when sensor will trigger- it will turn on the lights to 100% with selected color level

This will apply motion policy to AK office Cluster

Once sensor is triggered- it will turn on lights to 100% with 5000K color and event will last 5 mins and then it will shut down to 0%

Hardware setting page

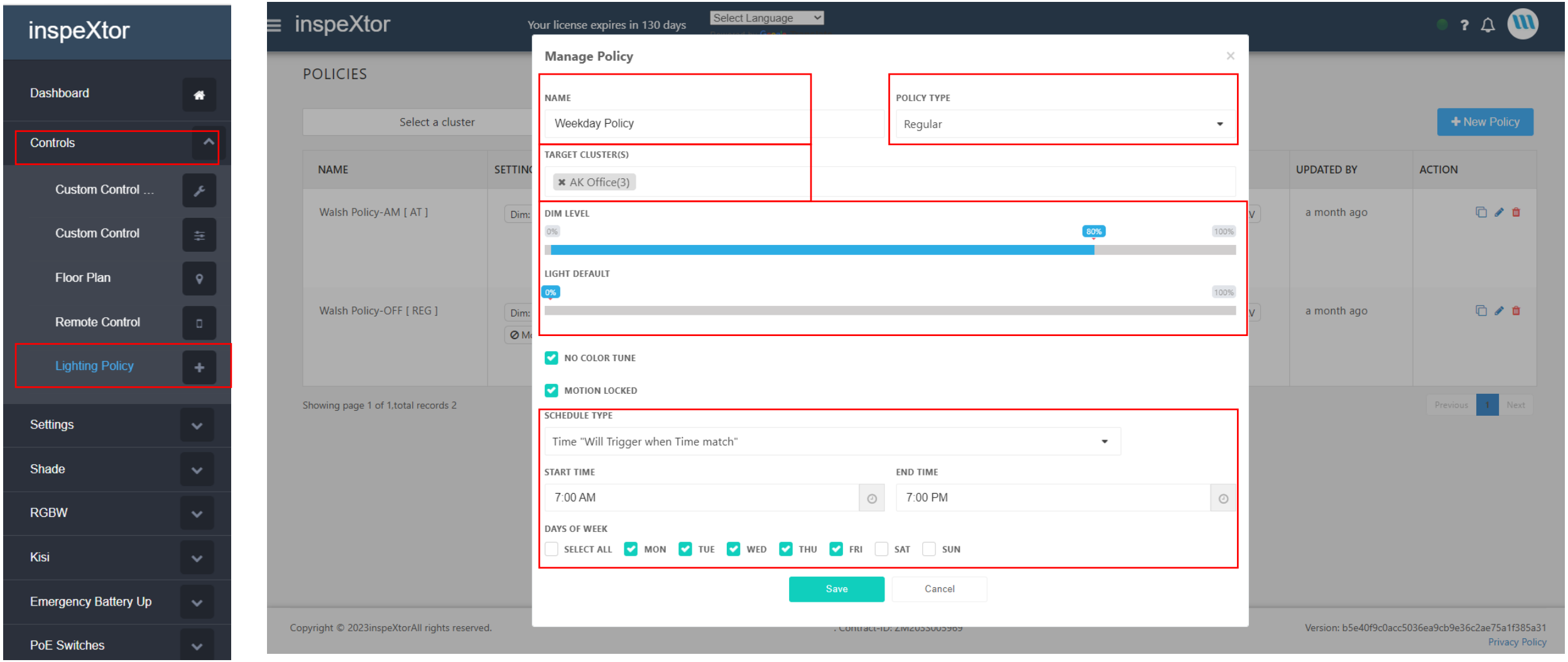
How to apply Scene buttons policies using hardware setting page



Lighting Policy

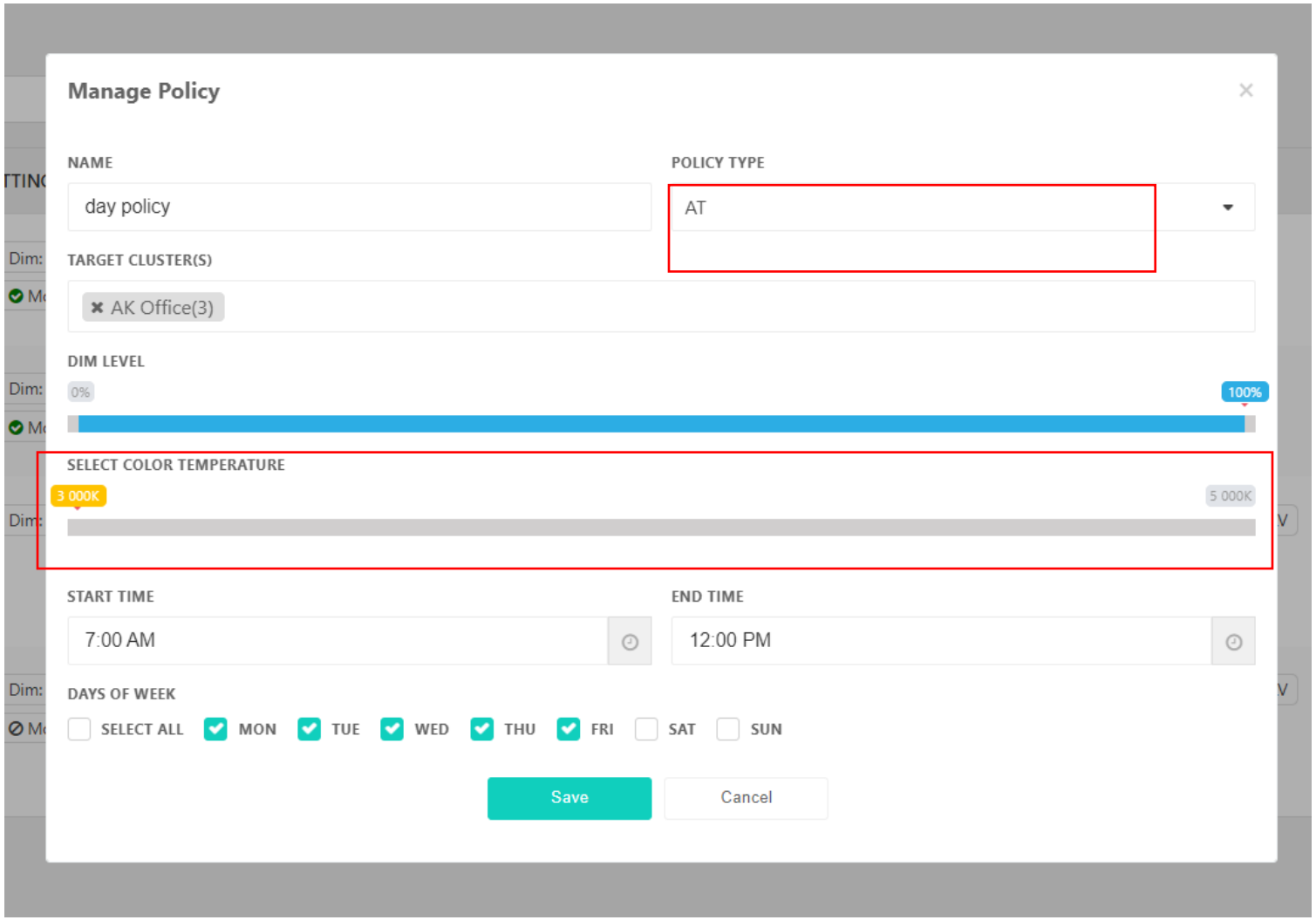
[Refer to Wiki Link for more details : Lighting Policy · AK-Khalis/mht-inx-wiki Wiki]

Regular lighting policy with Motion disabled/Autotune disabled.

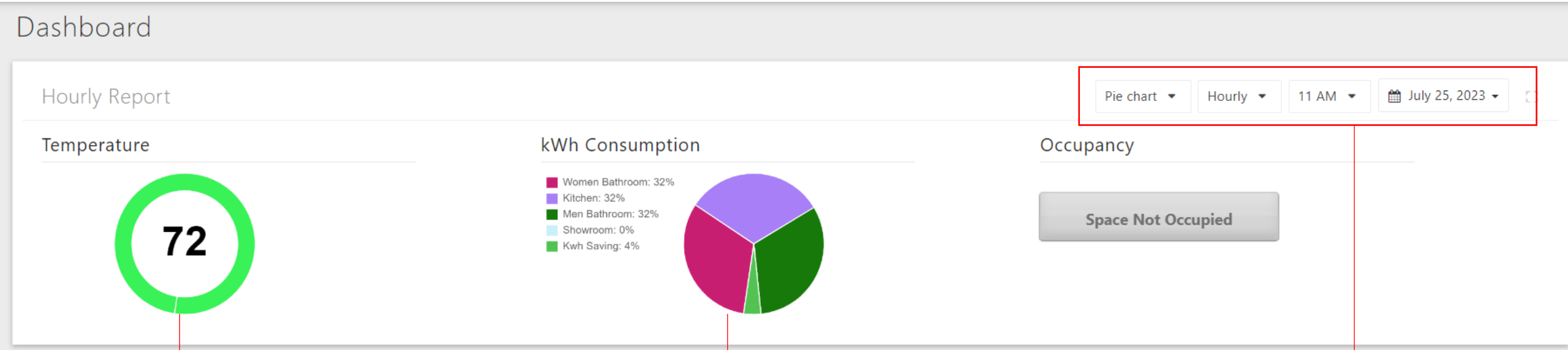


Lighting Policy

How to setup Autotune lighting policy



Interpretation of Dashboard data

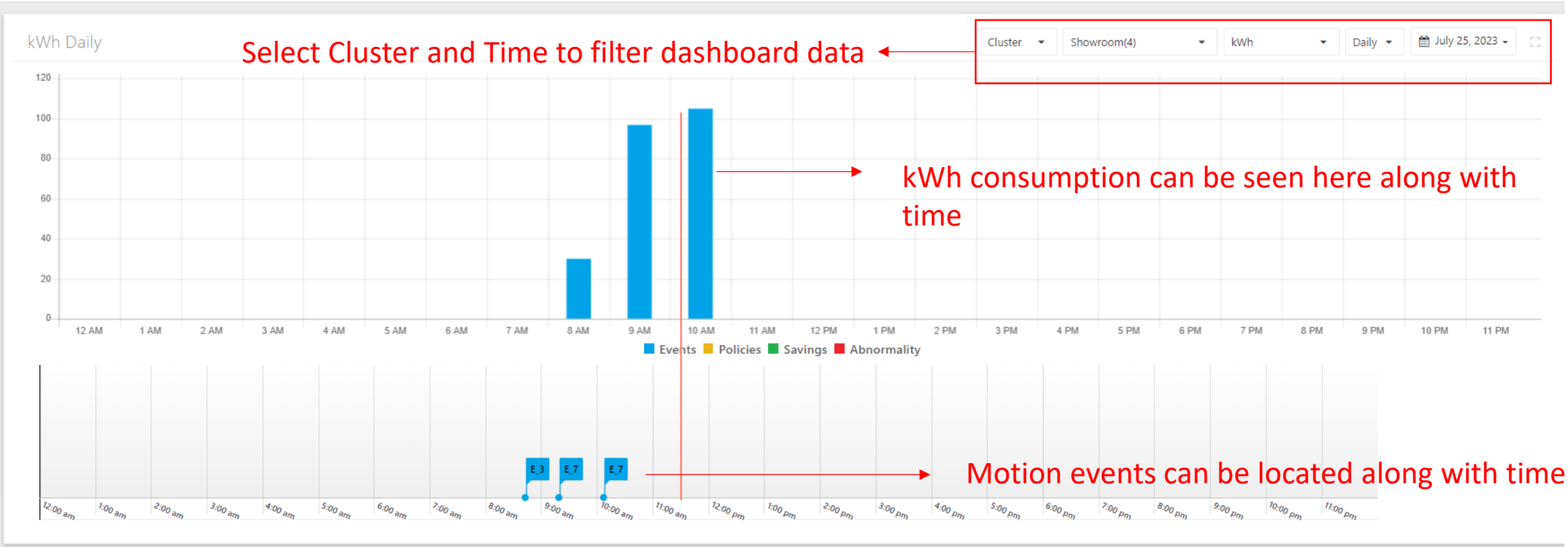


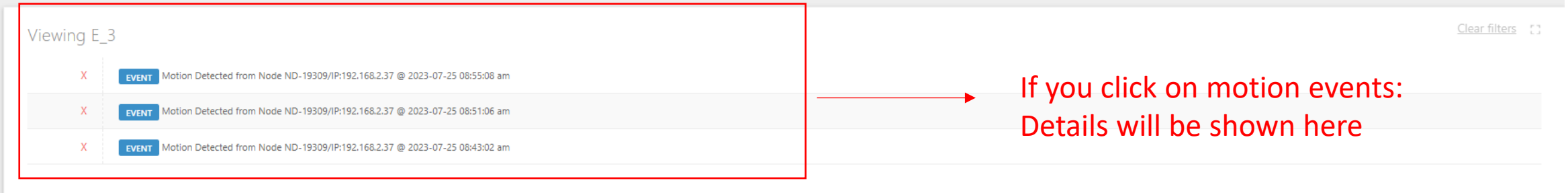
Default temperature of Node

This pie Chart represents kWh consumption per Cluster

Data can be filtered using selection of date and time.

Interpretation of Dashboard data





MHT Technologies

Thank You

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