

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

Activate this instance

CONTRACT ID
ZM203S005969

INSTANCE ID
Enter instance name

INSTANCE PASSWORD
Enter instance password

IS THIS A RESIDENCE OR A BUSINESS
Type of use

NAME OF BUSINESS / PERSON
Enter name

LOCATION
Enter location/address

PHONE
Enter phone

Activate

- 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

The screenshot shows the 'INSPECTOR SETTINGS' page. The 'Network Settings' section is highlighted with a red oval. It contains four input fields for Broadcast, TFTP, NTP, and Local IP addresses, each with an 'Apply' button to its right. Below these are 'Save All' and 'Apply All' buttons. The 'Debugging & Fixup Tools' section has a single input field for a Node Serial Number and a 'Delete Node' button.

INSPECTOR SETTINGS

Network Settings

BROADCAST IP ADDRESS
10.10.7.255

TFTP SERVER (IP ADDRESS)
10.10.0.94

NTP SERVER (IP ADDRESS)
10.10.0.94

LOCAL INSPECTOR (IP ADDRESS)
10.10.0.94

Apply

Apply

Apply

Save All

Apply All

Debugging & Fixup Tools

NODE SERIAL NUMBER

Delete Node

- Default Values will get displayed here.
- Enter your Broadcast/TFTP /NTP Ips according to your network
- Enter your local inspeXtor IP

Auto discovery

Go to Management → Auto discovery

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

Auto Discovery

START IP ADDRESS 10.10.0.1	STOP IP ADDRESS 10.10.0.254	APPLY MODE Clear data	Start
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Test State : **COMPLETED** Last Update : 01-10-2023 06:41:48 Total units connected : 14

100%

SHOW 25	ENTRIES	SEARCH:	
IPADDRESS	CONNECTED	DESCRIPTION	LASTUPDATE
10.10.0.121	Yes	Created tag(s) and sent to node and peripherals, SN: 15130	01-10-2023 06:40:44
10.10.0.101	Yes	Created tag(s) and sent to node and peripherals, SN: 15328	01-10-2023 06:40:36
10.10.0.100	Yes	Created tag(s) and sent to node and peripherals, SN: 19007	01-10-2023 06:40:36

Management

- Instant Setup
- Auto Discovery
- Log
- Debug Log

Pull Schedule

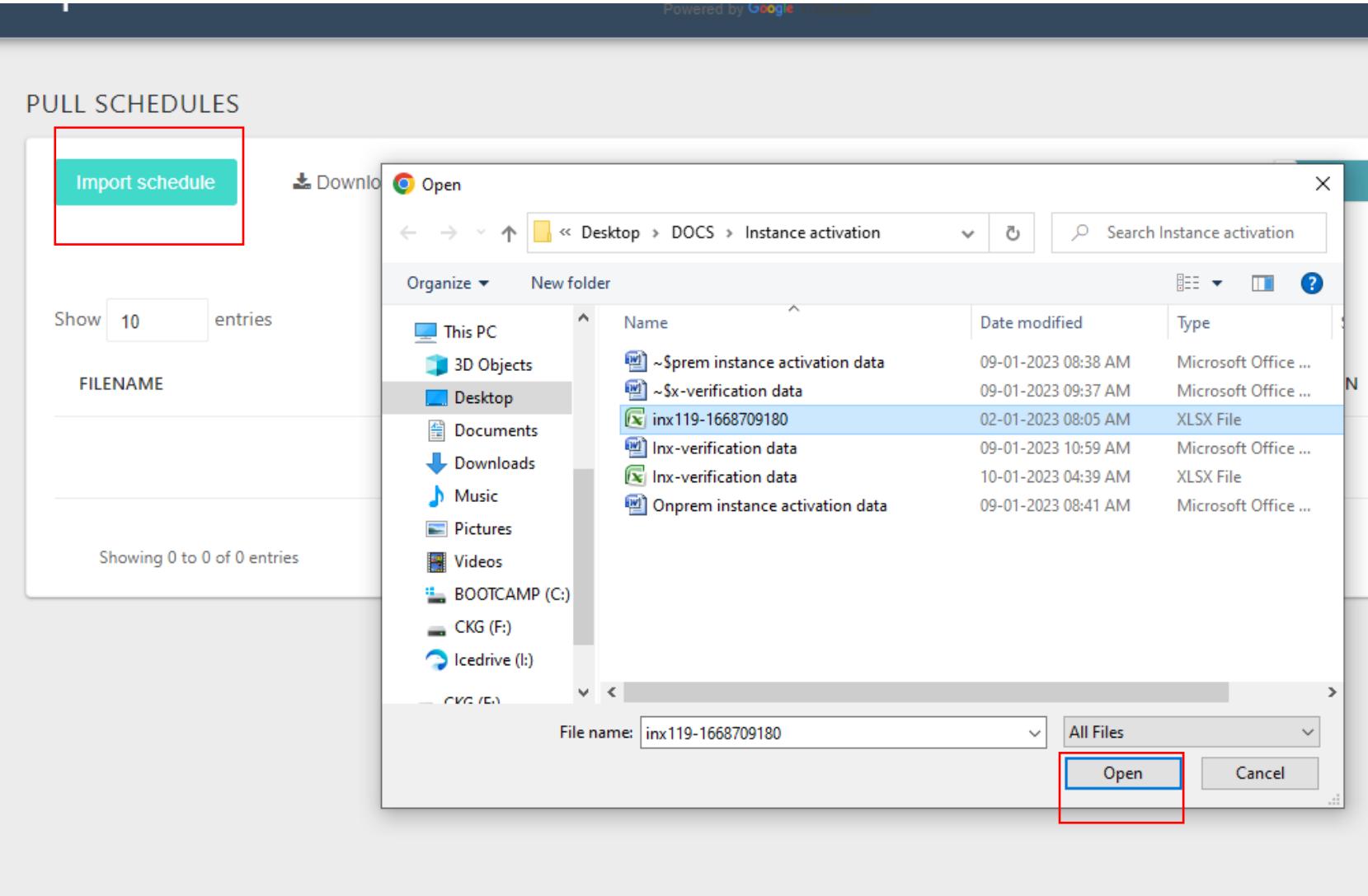


It is Map of all Node Drivers connected in POE network.



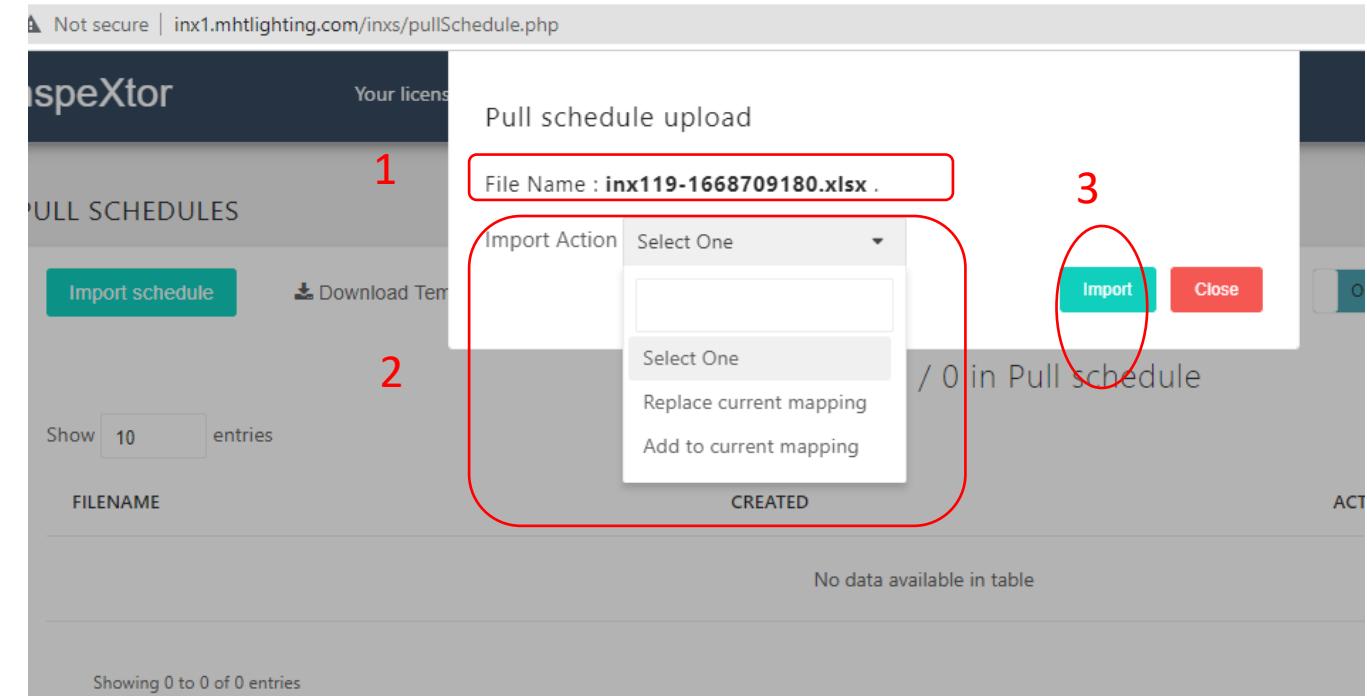
We can download Pull schedule Template from software

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

PULL SCHEDULES

Import schedule Download Template

Lock Node Count OFF Cluster Mapping DISABLED

14 Actual nodes / 0 in Pull schedule

Show 10 entries

FILENAME	CREATED	ACTION
inx119-1668709180-1673344337.xlsx	a few seconds ago	

Showing 1 to 1 of 1 entries

click the eye icon to see Pull schedule data

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

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

Verification of Clusters

Your license expires in 110 days

Select Language

Powered by Google

Type a cluster name & press enter

CLUSTER

Add to cluster list

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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

Section 1: Template Name

Template Name 

Input Template name as per your naming convention.

Section 2: Fixture Type and Rating

Fixture Type and Rating 

TYPE	CC	
POWER (W)	CURRENT (A)	VOLTAGE (V)

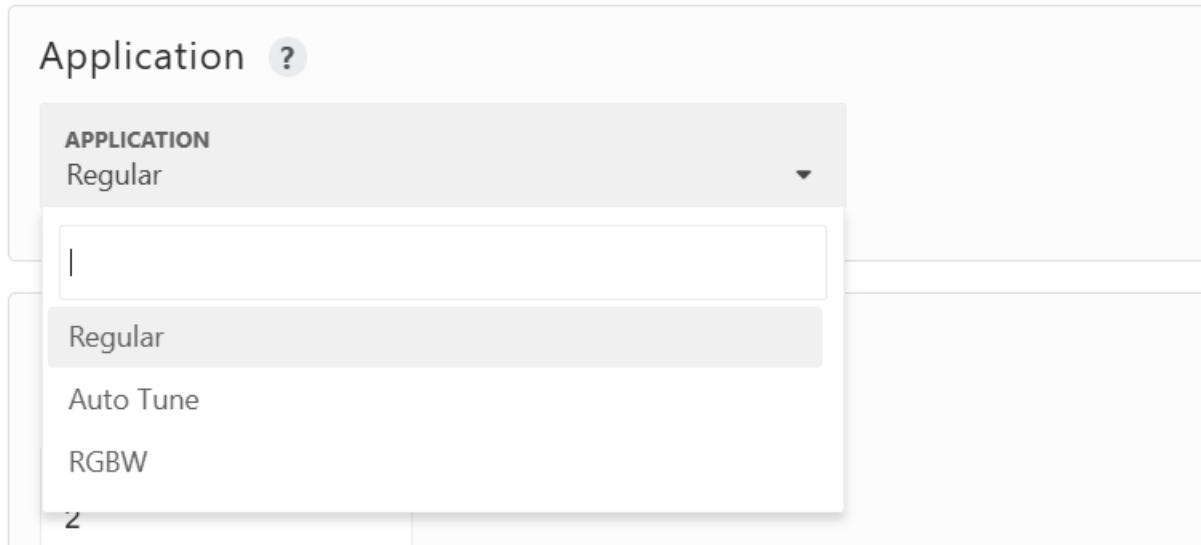
Depending on the type of fixture you are using, select the appropriate option:

- **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 ?

APPLICATION

Regular

Regular

Auto Tune

RGBW

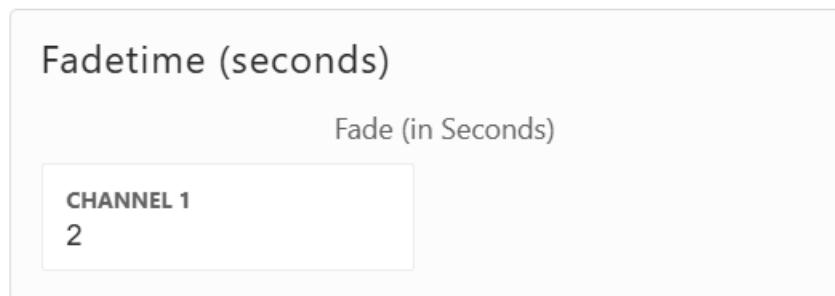
2

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



Fadetime (seconds)

Fade (in Seconds)

CHANNEL 1

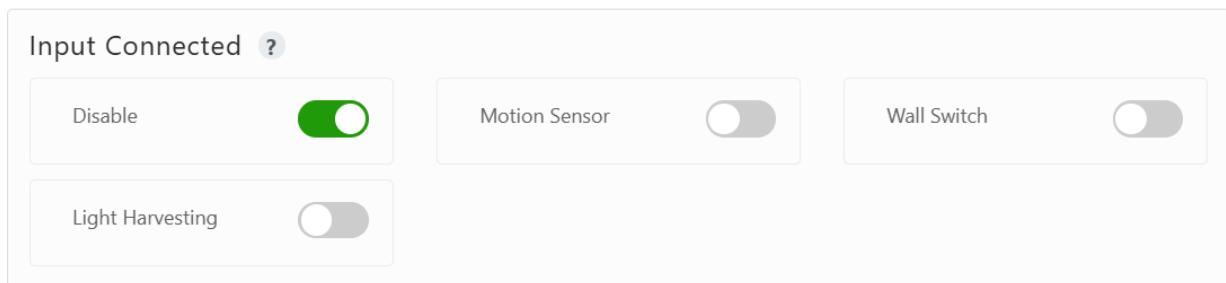
2

- **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

inspeXtor Your license expires in 135 days Select Language Powered by Google Translate

REMOTE CONTROL

Select Cluster which you want to control

Please select a target

AK Office(3)

Select Node which you want to control

Please select from the following commands

Light ON

Light OFF

Select Dim Level

66

Select Dim level using Dim Level Bar

Scene 1

Scene 2

Scene 3

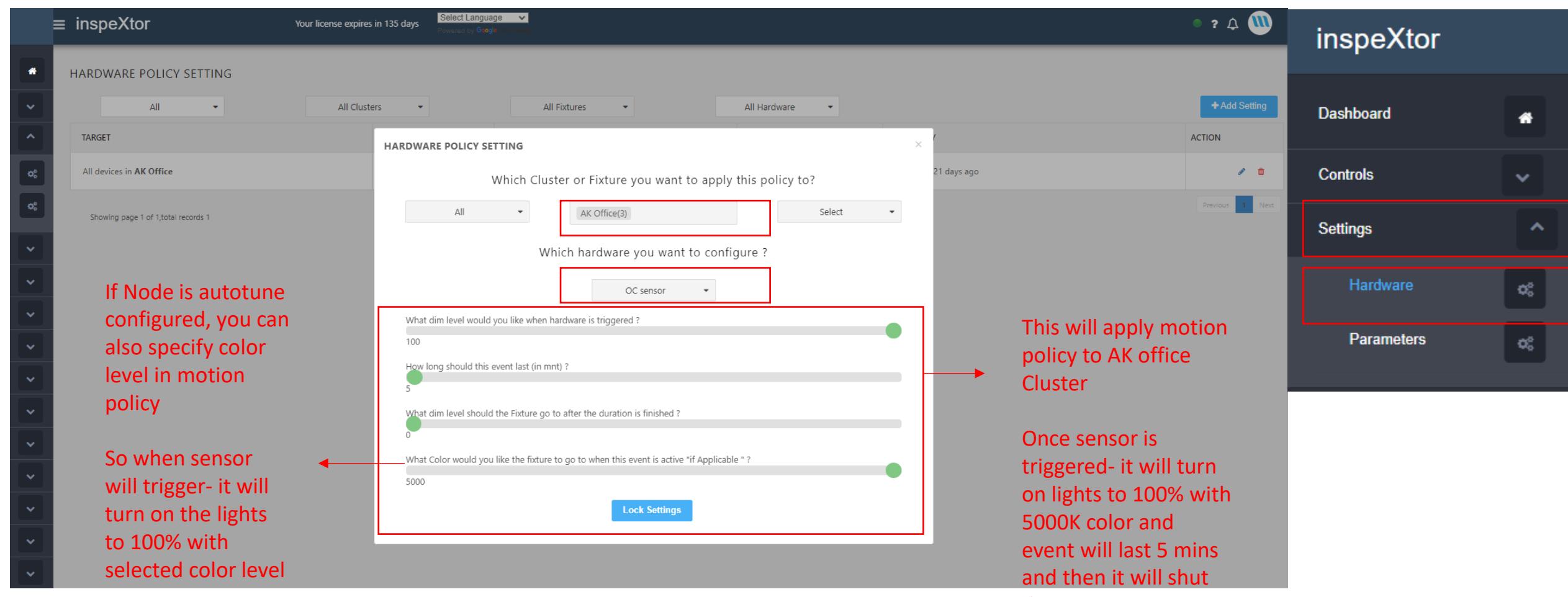
Select Color Level

4032

We can Control Color level of the fixture if Node is configured for Autotune

Hardware setting page

How to apply Motion policy to individual Node/ Node Cluster



The screenshot shows the inspeXtor software interface. On the left, the main dashboard has a sidebar with various icons. The main area shows a table of hardware settings. A modal window titled "HARDWARE POLICY SETTING" is open, prompting the user to "Which Cluster or Fixture you want to apply this policy to?". The "AK Office(3)" option is selected. Below this, it asks "Which hardware you want to configure?", with "OC sensor" selected. The modal contains four sliders: "What dim level would you like when hardware is triggered?", set to 100; "How long should this event last (in mnt)?", set to 5; "What dim level should the Fixture go to after the duration is finished?", set to 0; and "What Color would you like the fixture to go to when this event is active *?", set to 5000. A "Lock Settings" button is at the bottom. Red boxes and arrows highlight the "AK Office(3)" selection, the "OC sensor" selection, and the four sliders.

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

Which Cluster or Fixture you want to apply this policy to?

AK Office(3)

Which hardware you want to configure?

OC sensor

What dim level would you like when hardware is triggered ?
100

How long should this event last (in mnt) ?
5

What dim level should the Fixture go to after the duration is finished ?
0

What Color would you like the fixture to go to when this event is active *?
5000

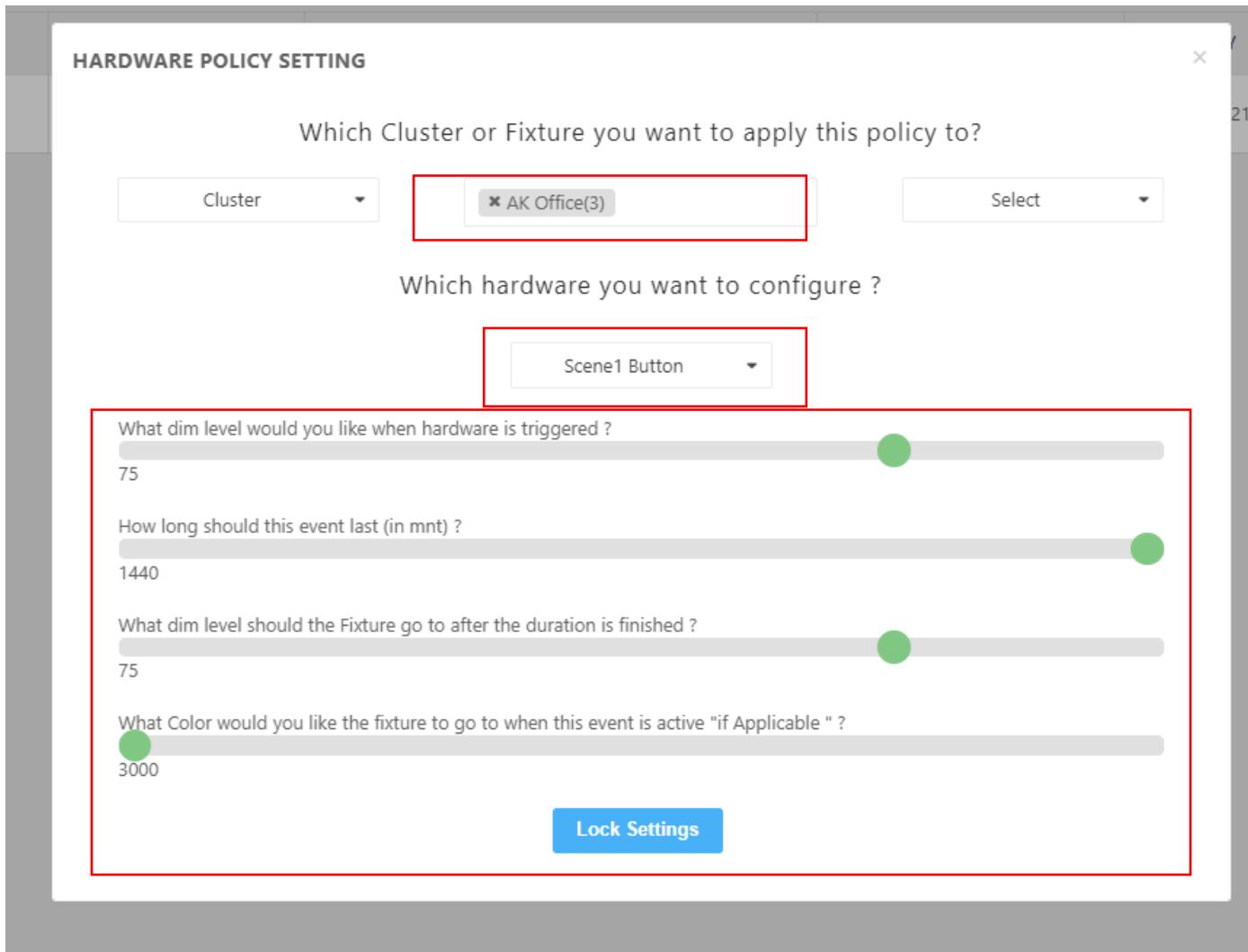
Lock Settings

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

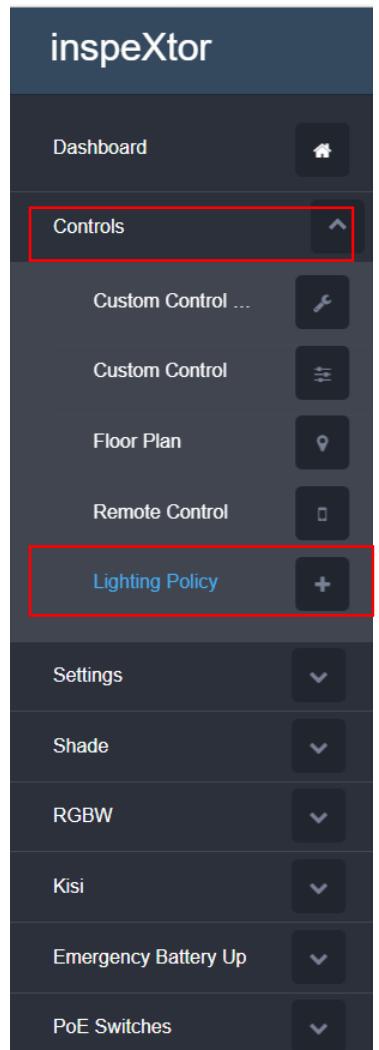
How to apply Scene buttons policies using hardware setting page



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.



Manage Policy

NAME: Weekday Policy

POLICY TYPE: Regular

TARGET CLUSTER(S): AK Office(3)

DIM LEVEL: 80%

LIGHT DEFAULT: 0%

NO COLOR TUNE:

MOTION LOCKED:

SCHEDULE TYPE: Time "Will Trigger when Time match"

START TIME: 7:00 AM

END TIME: 7:00 PM

DAYS OF WEEK: MON, TUE, WED, THU, FRI

Save Cancel

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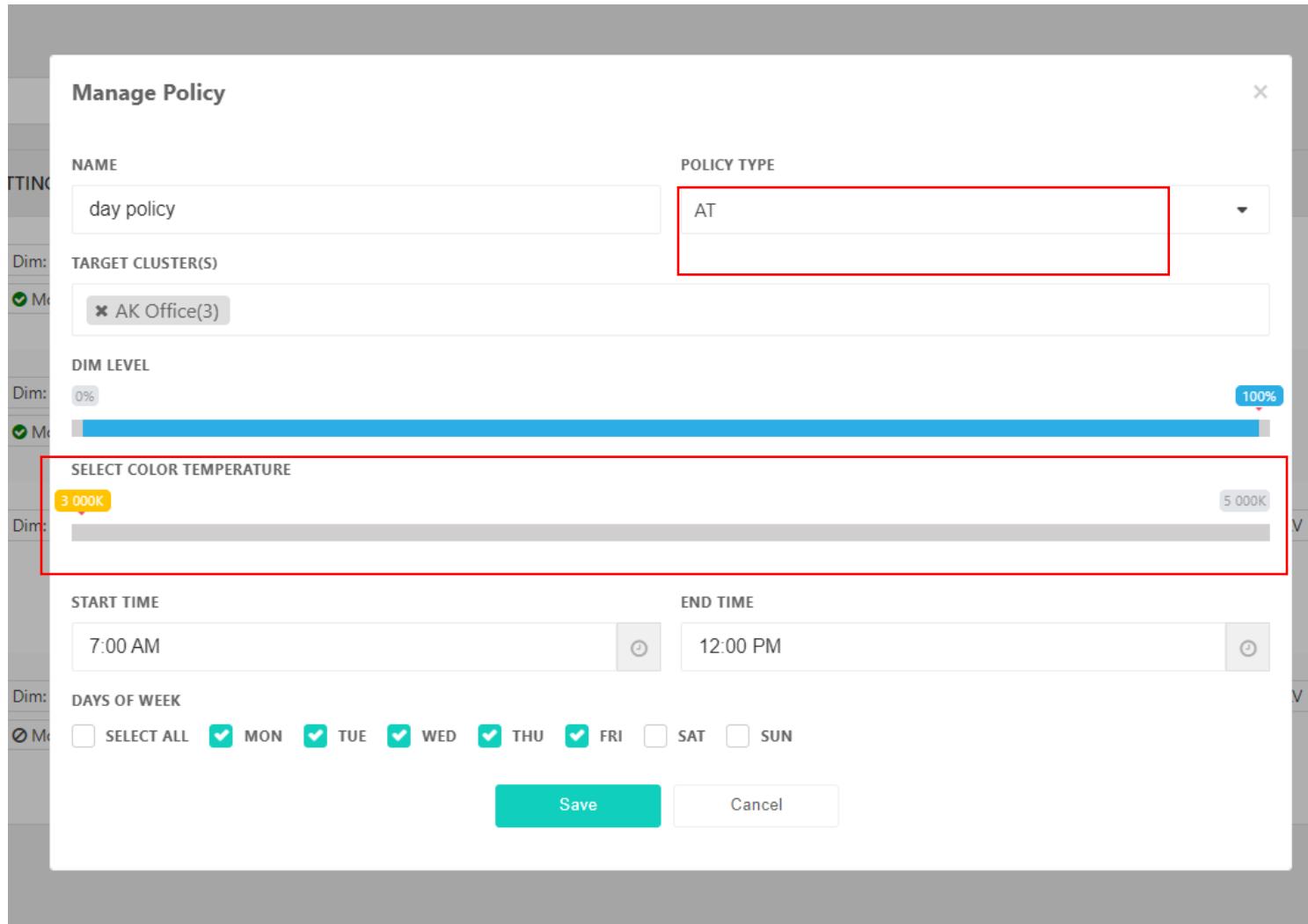
Contract-ID: ZM2055005909

Version: b5e40f9c0acc5036ea9cb9e36c2ae75a1f385a31

Privacy Policy

Lighting Policy

How to setup Autotune lighting policy



Interpretation of Dashboard data

Dashboard

Hourly Report

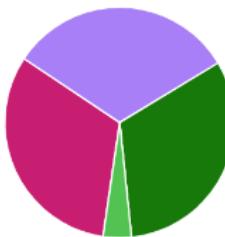
Temperature



Default temperature of Node

kWh Consumption

- Women Bathroom: 32%
- Kitchen: 32%
- Men Bathroom: 32%
- Showroom: 0%
- Kwh Saving: 4%



This pie Chart represents kWh consumption per Cluster

Pie chart

Hourly

11 AM

July 25, 2023

Occupancy

Space Not Occupied

Data can be filtered using selection of date and time.

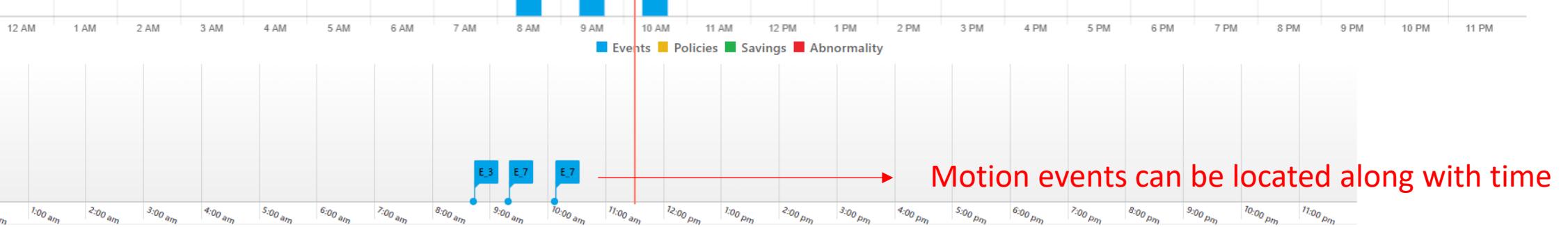
Interpretation of Dashboard data

kWh Daily

Select Cluster and Time to filter dashboard data

Cluster Showroom(4) kWh Daily July 25, 2023

kWh consumption can be seen here along with time



Viewing E_3

[Clear filters](#)

If you click on motion events:
Details will be shown here

X	EVENT	Motion Detected from Node ND-19309/IP:192.168.2.37 @ 2023-07-25 08:55:08 am
X	EVENT	Motion Detected from Node ND-19309/IP:192.168.2.37 @ 2023-07-25 08:51:06 am
X	EVENT	Motion Detected from Node ND-19309/IP:192.168.2.37 @ 2023-07-25 08:43:02 am



Thank You

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