

# **Building Integration Platform (BIP) Commissioning Guide**

For BIP v1.11



Important changes are listed in Document Revision History at the end of this document.

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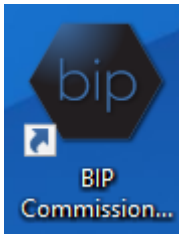
## What is BIP Commissioning?

---

The Building Integration Platform (BIP) enables data sharing between building systems. The BIP is made up of component services that can be reused for multiple system integrations.

BIP Commissioning is used to commission spaces, map devices with spaces, map spaces with Location Service system, etc. This application may only be used by the administrator who is assigned the role **Admin with Web Login**.

After installation of the BIP Commissioning tool, a shortcut appears on your desktop that launches the application (This icon is only available on deployment server).



## BIP Commissioning features

This application is used for:

- System Configuration
- Local Database User Creation
- Resource Registration
- User Management
- Space Management
  - Space Commissioning
  - Space Mapping
  - Conference Room Mapping
- Device Management
  - Access Control
  - HVAC
  - Lighting
  - Elevator
  - iBeacon
- Scene Commissioning
- Documents
- About

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## BIP Commissioning Access

To access the BIP Commissioning Tool, open the application URL in a web browser.

**URL:** `https://<ServerIPAddress/Domain>:8443/BIPCommissioning/#/login`

**NOTE** Replace <ServerIPAddress> with the actual IP Address or domain name of the server.

### Login

On opening the URL, the initial login screen appears:

The login screen is a light gray box with a title bar labeled "Login". Below the title bar, there are two input fields: "Username" with a person icon and "Password" with a lock icon. Below the password field, there is a link that says "By logging in you accept the EULA & Privacy Notice". At the bottom, there are two buttons: a red "Login" button and a blue "Reset" button.

A pre-configured user with **Admin with Web Login** access privileges is included with the product. Use this pre-configured user's credentials when logging into the application for the first time:

**Username:** webadmin

**Password:** adm@123

After the first login you will be prompted to change the password for this user. You may then create additional admin users, if needed. For more information see *User Management* (page 18).

### Change password

You can change your password after login by clicking **Change Password**.

The screenshot shows the BIP Commissioning application interface. On the left is a blue sidebar with a user profile section. The profile section shows "Logged in as: webdipadmin" and a "Change Password" button highlighted with a red box. Below the profile section are links for "System Configuration", "Local DB User Creation", "Resource Registration", and "User Management". On the right is a table with columns: First Name, Last Name, User Name, UserId, Provider, Last Logged in, Role, and two action columns. The table contains three rows of user data.

First Name	Last Name	User Name	UserId	Provider	Last Logged in	Role		
dip	admin	dipadmin	654e42c7-f930-48bc-ae11-916e887f5ef5	DB	null	Admin	Enabled	
webibcc	admin	webibccadmin	654e42c7-f930-48bc-ae11-916e887f5ef6	DB	null	Admin	Enabled	
webibcc	operator	webibccoperator	654e42c7-f930-48bc-ae11-916e887f5ef7	DB	null	Operator	Enabled	

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## Session expiration

For security reasons, the BIP Commissioning application displays a session expiration alert after a period of 20 minutes of inactivity. If no action is taken, the user is logged out.

Your session is about to expire!

---

You'll be logged out in 42 second(s). Do you want to stay signed in?

---





Yes, Keep me Signed InNo, Sign me out

## System configuration

You can configure all end systems using the System Configuration module.

### List of system configurations

The table below describes the action performed by each icon.

This icon	Performs this action.
	View
	Edit
	Delete
	Heartbeat

### Add system configuration

- 1 To add a new system configuration, click **Add New**.
- 2 Select a **System Type**. The following sections describe how to register each system type.

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[View List](#)

**System Type:\***  

Select System Type

**Gateway:\***  

Select Gateway

**System Name:\***

☒ Enable daily sync with end system

### Enable daily sync with end system

This option enables the Semantic Knowledge Base background process to synchronize with the end system data changes (if any) daily.

**NOTE** When a new System Configuration is saved using **Submit**, the application attempts to connect to the end system. If the connection fails, validate the configuration details are correct, and that the BIP server has network access to the end system.

## Register Lenel-OnGuard System

For security reasons, the BIP Commissioning application displays a session expiration alert after a period of 20 minutes of inactivity. If no action is taken, the user is logged out.

**System Type:\***  

Lenel-OnGuard

**Gateway:\***  

Select Gateway

**System Name:\***  

OnGuard

☒ Enable daily sync with end system

Field	Action
<b>System Type</b>	Select <b>Lenel-OnGuard</b> .
<b>Gateway</b>	Select the gateway ID.
<b>System Name</b>	Enter a system name for Lenel-OnGuard. <b>NOTE</b> When integrating with the ALC-WebCTRL or Carrier i-Vu system, the <b>System Name</b> must be <b>OnGuard</b> .
<b>IP/Hostname</b>	Enter the IP address or domain name of the end system server.
<b>Port</b>	Enter the OpenAccess Connector port on the end system server.
<b>Username</b>	Enter username.
<b>Password</b>	Enter password.
<b>Interface Name</b>	Enter interface name for the end system from one of these: "MyWay", "WebCTRL", or "i-Vu".

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## Register ALC-WebCTRL System

System Type: <sup>*</sup>	Gateway: <sup>*</sup>
<div>ALC-WebCTRL</div>	<div>Select Gateway</div>
System Name: <sup>*</sup>	<input checked="" type="checkbox"/> Enable daily sync with end system
<div></div>	

Field	Action
System Type	Select <b>ALC-WebCTRL</b> .
Gateway	Select the gateway ID.
System Name	Enter a system name for ALC-WebCTRL.
IP/Hostname	Enter the IP address or domain name of the end system server
Port	Enter a valid port.
Client ID	Enter a valid client ID.
Client Secret	Enter a valid client secret.

## Register Carrier i-Vu System

System Type: <sup>*</sup>	Gateway: <sup>*</sup>
<div>Carrier i-Vu</div>	<div>Select Gateway</div>
System Name: <sup>*</sup>	<input checked="" type="checkbox"/> Enable daily sync with end system
<div></div>	

Field	Action
System Type	Select <b>Carrier i-Vu</b> .
Gateway	Select the gateway ID.
System Name	Enter a system name for i-Vu.
IP/Hostname	Enter the IP address or domain name of the end system server.
Port	Enter a valid port.
Client ID	Enter a valid client ID.
Client Secret	Enter a valid client secret.

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## Register OTIS-Panorama System

<b>System Type:*</b>	<b>Gateway:*</b>
<div>OTIS-Panorama</div>	<div>Select Gateway</div>
<b>System Name:*</b>	<input checked="" type="checkbox"/> Enable daily sync with end system
<div></div>	

Field	Action
System Type	Select <b>OTIS-Panorama</b> .
Gateway	Select the gateway ID.
System Name	Enter a system name for the OTIS-Panorama system, for example, EMS.
IP/Hostname	Enter the IP address or domain name of the end system server
Port	Enter a valid port.

## Register Cooper-Fifthlight System

<b>System Type:*</b>	<b>Gateway:*</b>
<div>Cooper-Fifthlight</div>	<div>Select Gateway</div>
<b>System Name:*</b>	<input checked="" type="checkbox"/> Enable daily sync with end system
<div></div>	

Field	Action
System Type	Select <b>Cooper-Fifthlight</b> .
Gateway	Select gateway ID.
System Name	Enter a system name for Cooper-Fifthlight.
Protocol	http or https
IP/Hostname	Enter the IP address or domain name of the end system server.
Port	Enter a valid port.
Username	Enter username.
Password	Enter password.

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## Register Generic-BACnetLight System

System Type: <sup>*</sup>	Gateway: <sup>*</sup>
Generic-BACnetLight	Select Gateway
System Name: <sup>*</sup>	<input checked="" type="checkbox"/> Enable daily sync with end system
<input type="text"/>	

Field	Action
<b>System Type</b>	Select <b>Generic-BACnetLight</b> .
<b>Gateway</b>	Select the gateway ID.
<b>System Name</b>	Enter a system name for BACnetLight.
<b>BIP GatewayIP Address</b>	Enter the IP address for the gateway (selected above).
<b>Port</b>	Enter the port for establishing communication to BACnet server, for example, 74808.
<b>Subnet</b>	Enter the subnet IP address, for example, 255.255.240.0.
<b>Network Numbers</b>	Enter a comma-separated list of the valid BACnet devices network numbers, for example, 1,2. <b>NOTE</b> For unicast, enter 0.
<b>Enable datapoints filter</b>	<p>Select this option only if you want to configure the datapoints filter. Enter values for the fields as described below.</p> <ul style="list-style-type: none"> <li><b>Datapoints filtering priority</b> Possible values: types, range, names</li> <li><b>Datapoint types to filter</b> Possible values: analogValue, binaryValue</li> <li><b>Datapoint ID range to filter</b> For example, 0-100</li> <li><b>Datapoint names to filter</b> Enter a comma-separated list of names.</li> </ul>
<b>Enable BBMD support</b>	<p>Select this option only when you want to configure the BBMD support. Enter a value for the field below.</p> <p><b>BBMD IPv4 Addresses</b> Enter a comma-separated list of IP addresses for the BACnet router supporting BBMD.</p> <p><b>NOTE</b> Datapoint filter and BBMD support is disabled for unicast. Select <b>Enable Broadcast</b> to enable these options.</p>
<b>Enable Broadcast</b>	<p>Select this option only when data packet broadcast feature support is available for the network/subnet.</p> <p><b>NOTE</b> When you select <b>Enable Broadcast</b>, the <b>BACnet Device Object configuration JSON</b> data is optional. If JSON data is provided, the driver will do both unicast and broadcast.</p>

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Field	Action
<b>CACnet Device Object configuration JSON</b>	<p>Enter valid BACnet device object configuration data in JSON format. Sample JSON data can be viewed by clicking <b>Sample JSON</b>.</p> <p><a href="#">Sample JSON</a></p> <pre>[   {     "id": "2785460",     "ip": "10.176.58.233",     "port": "65269",     "old": "0",     "oType": "AI",     "oName": "temp.indoor 1"   },   {</pre> <p><a href="#">Close</a></p>

## Register ThyssenKrupp-Elevator System

<b>System Type:*</b> <div>ThyssenKrupp-Elevator</div>	<b>Gateway:*</b> <div>Select Gateway</div>
<b>System Name:*</b> <div></div>	<input checked="" type="checkbox"/> Enable daily sync with end system

Field	Action
<b>System Type</b>	Select <b>ThyssenKrupp-Elevator</b> .
<b>Gateway</b>	Select gateway ID.
<b>System Name</b>	Enter a system name for ThyssenKrupp-Elevator.
<b>BIP Gateway IP Address</b>	Enter the IP address of the gateway for communication to the TK server.
<b>Enable Broadcast</b>	<p>Select this option only when data packet broadcast feature support is available for the network/subnet.</p> <p><b>NOTE</b> On selection of <b>Enable Broadcast</b>, the <b>Group Elevator Configuration JSON</b> option is disabled (as that information is only required for the unicast option).</p>

Field	Action
<b>Group Elevator Configuration JSON</b>	Enter valid group elevator configuration data in JSON format. Sample JSON data can be viewed by clicking <b>Sample JSON</b> .
	<div> <div>Sample JSON</div> <div> <pre>{   "TKElevatorSystemConfig": [     {       "groupid": "1",       "buildingLanding": ["1", "2", "3", "4", "5", "6", "7"],       "elevatorsConfig": [         {           "elevatorId": "1",           "ip": "192.168.0.1",           "side": "front"         }       ]     }   ] }</pre> </div> <div>Close</div> </div>

## Register Phunware Location Service

System Type: <sup>*</sup>	Gateway: <sup>*</sup>
Phunware	Select Gateway
System Name: <sup>*</sup>	<input checked="" type="checkbox"/> Enable daily sync with end system
<input type="text"/>	

Field	Action
<b>System Type</b>	Select <b>Phunware</b> .
<b>Gateway</b>	Select gateway ID.
<b>System Name</b>	Enter a system name for Phunware.
<b>IP/Hostname</b>	Enter the IP address or domain name of the end system server.
<b>Access Key</b>	Enter a valid access key.
<b>Signature Key</b>	Enter a valid signature key.
<b>App Id</b>	Enter a valid application ID.
<b>Enable Proxy:</b>	<p>If the server is running behind a proxy, select this option to configure the proxy details. Enter values for the fields as described below.</p> <ul style="list-style-type: none"> <li><b>Proxy Hostname</b> Enter a valid proxy IP address or domain name.</li> <li><b>Proxy Port</b> Enter a valid proxy port number.</li> </ul>

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## Register Purple Location Service

<b>System Type:</b> Purple	<b>Gateway:</b> Select Gateway
<b>System Name:</b> <input type="text"/>	<input checked="" type="checkbox"/> Enable daily sync with end system

Field	Action
System Type	Select <b>Purple</b> .
Gateway	Select a gateway ID.
System Name	Enter a system name for Purple.
IP/Hostname	Enter the IP address or domain name of the end system server.
Client Api Key	Enter a valid client API key.
Enable Proxy	If the server is running behind a proxy, select this option to configure the proxy details. Enter values for the fields as described below: <ul style="list-style-type: none"> <li><b>Proxy Hostname</b> Enter a valid proxy IP address or domain name.</li> <li><b>Proxy Port</b> Enter a valid proxy port number.</li> </ul>

### NOTES

- You can configure either Phunware or Purple Location Service, but not both.
- Ping functionality is not implemented for Purple and Phunware.

## Register Pharos System

<b>System Type:</b> Pharos	<b>Gateway:</b> 38GKZY2 - Gateway1
<b>System Name:</b> Pharos	<input checked="" type="checkbox"/> Enable daily sync with end system

Field	Action
<b>System Type</b>	Select <b>Pharos</b> .
<b>Gateway</b>	Select gateway ID.
<b>System Name</b>	Enter a system name for Pharos.
<b>Protocol</b>	Enter protocol configured at end system (http or https).
<b>IP/Hostname</b>	Enter the IP address or domain name of the end system server.
<b>Port</b>	Enter a valid port, for example, 80.

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Field	Action
Username	Enter username.
Password	Enter password.

**NOTE** If Protocol value is "https", username and password fields are mandatory.

## Edit System configuration


Follow the instructions below to edit an existing system.

- 1 Click the **Edit** icon from the **System Configuration** list.
- 2 Modify the required values and click **Submit**.

## Special instructions

### Lenel-OnGuard

After editing the Lenel-OnGuard system configuration, follow the steps below to re-initiate events from OnGuard.

- 1 Click the **Ping** icon  after submitting changes, and verify the ping is successful.
- 2 Restart the **MyWay App Services** if installed.
- 3 Restart the **BAS OnGuard** integration add-on if installed.

### Generic-BACnetLight

After editing the BACnetLight commissioning data, manually restart the gateway service.

### ThyssenKrupp-Elevator

After editing the TK commissioning data, manually restart the gateway service.

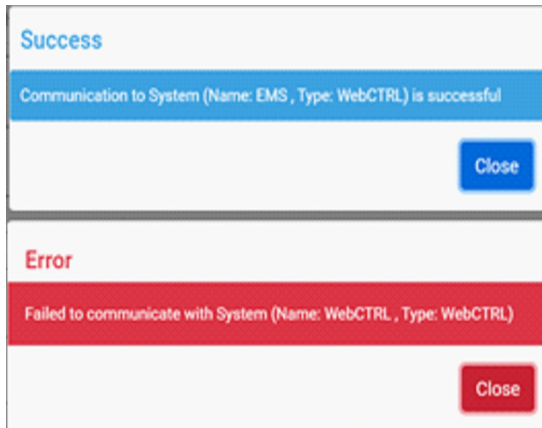
## View System Configuration

To view system configuration details, click the **View** icon



## Ping System Status

To determine if the configured system is communicating with the end system, click the **Ping** icon



## Local Database User Creation

---

This feature is used for adding DB users directly into the database. Other users are verified and loaded from AD or SSO data sources.

### Add User

Admins can create local users.

- 1 On the **Local DB User Creation** tab, click **Add User**.
- 2 Provide the user's first name, last name, username, password and email address.
- 3 Click **Create**.

#### NOTES

- You can clear the data fields while creating a user by clicking **Clear**.
- To navigate back to the previous screen, click **View User**.



BIP Commissioning

Logged in as: webdipadmin

[Change Password](#) [Logout](#)

[System Configuration](#)

[Local DB User Creation](#)

[Resource Registration](#)

Search:

[Add User](#)

First Name	Last Name	User Name	Email	
Admin	Admin	webibccadmin		
Operator	Operator	webibccoperator		
web cib	admin	webcibadmin		
web dip	admin	webdipadmin		

Items per page:

Local User Creation

[View User](#)

First Name\*

Last Name\*

Username\*

Password\*

Email\*

Create

Clear

## View User

On the **Local DB User Creation** tab, click **View User** to view a list of users, including any newly-created users.

Local User Creation

[View User](#)

First Name\*

Last Name\*

Username\*

Password\*

Email\*

Create

Clear

Search:

[Add User](#)

First Name	Last Name	User Name	Email	
firstname	lastname	user500	user500@utc.com	
firstname	lastname	user499	user499@utc.com	
firstname	lastname	user498	user498@utc.com	
firstname	lastname	user497	user497@utc.com	
firstname	lastname	user496	user496@utc.com	
firstname	lastname	user495	user495@utc.com	
firstname	lastname	user494	user494@utc.com	

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## Search User

Search for a user with the **Search** box. Type a user name and results are displayed.

First Name	Last Name	User Name	Email
Chakri	Anuma	anumacc	cybersecurity@utc.com

## Delete User

View a list of all the registered users with the option to delete users.

First Name	Last Name	User Name	Email
firstname	lastname	user500	user500@utc.com
firstname	lastname	user499	user499@utc.com
firstname	lastname	user498	user498@utc.com
firstname	lastname	user497	user497@utc.com
firstname	lastname	user496	user496@utc.com
firstname	lastname	user495	user495@utc.com
firstname	lastname	user494	user494@utc.com

## Resource Registration

In **Resource Registration**, you can register MyWay devices and other client applications which can access the BIP resources.

## View Client

- 1 Go to the **Resource Registration** tab to see a list of clients.
- 2 View the resource list by clicking **Add Resources**, and then clicking **View Resource**.

Search: <input type="text" value="Enter Search Text"/>				<a href="#">Add Resource</a>	
Client ID	Resource Name	Resource Type	Scopes		
Aab8ef5e0c31cb9a3	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
A4571ed0f09cc60be	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
Ae31e96d05384faa5	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
Af752a55e851feada	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
A54119b087200ed11	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
Aaa80f4c078c143c5	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>

## Add Resource

- 1 Click **Add Resource** to add new Resources.

Search:

[Add Resource](#)

Client ID	Resource Name	Resource Type	Scopes		
Aab8ef5e0c31cb9a3	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
A4571ed0f09cc60be	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
Ae31e96d05384faa5	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
Af752a55e851feada	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
A54119b087200ed11	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
Aaa80f4c078c143c5	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>

[View Resources](#)

Resource Name\*

Description\*

Client ID\*

Client Password\*

Resource IDs\*

Grant Type\*

Scopes\*

AccessToken Time\*

[Create](#)
[Clear](#)

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Field	Action
<b>Resource Name</b>	The resource name should be between 3 and 20 characters.
<b>Description</b>	This field provides more information about the resource. It should be between 3 and 20 characters.
<b>Client ID</b>	The Client ID should be between 3 and 20 characters.
<b>Client Password</b>	<p>This password must be 6 to 20 characters long, and must contain at least one of each of the following:</p> <p><b>Uppercase letter</b></p> <p><b>Lowercase letter</b></p> <p><b>Number</b></p> <p><b>Special character</b></p>
<b>Resource IDs</b>	This drop-down allows you to select multiple services that the new client can use.
<b>Grant Type</b>	<p>This drop-down allows you to select any, or all, of the following options:</p> <p><b>Service</b></p> <p><b>Native</b></p> <p><b>Native refresh</b></p>
<b>Scopes</b>	<p>This drop-down allows you to select any, or all, of the following options:</p> <p><b>Read</b></p> <p><b>Write</b></p> <p><b>Openid</b></p>
<b>Access Token Time</b>	This drop-down allows you to select token validity period, for example, 1 week, 30 days, 1 year

- After completing all the fields, click **Create**. Clicking **Clear** clears all data fields.

## Disable/Enable Client

Disable any client by clicking **Disable**.

Search: <input type="text" value="Enter Search Text"/>					<a href="#">+ Add Resource</a>	
Client ID	Resource Name	Resource Type	Scopes			
Aab8ef5e0c31cb9a3	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
A4571ed0f09cc60be	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
Ae31e96d05384faa5	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
Af752a55e851feada	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
A54119b087200ed11	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
Aaa80f4c078c143c5	MyWayAndroid	password,refresh_token	read,write	<a href="#">Disable</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

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Enable any disabled client by clicking **Enable**.

Search: <input type="text" value="Enter Search Text"/>		<a href="#">Add Resource</a>			
Client ID	Resource Name	Resource Type	Scopes		
imsclient	IMSCClient	client_credentials	read,write	<a href="#">Enable</a>	<a href="#">Edit</a> <a href="#">Delete</a>
webibccclient	IBCC	password	read	<a href="#">Disable</a>	<a href="#">Edit</a> <a href="#">Delete</a>

## Edit Client

You can edit client details like Scopes, Resource IDs, Grant Type and Access Token Time. To edit a record:

- 1 Click the **Edit** icon next to the client.
- 2 Update any of the required fields and click **Update**.

Resource Name	Description
<input type="text" value="MyWayAndroid"/>	<input type="text" value="mobile client for cibappservice"/>
Client Id	Scopes*
<input type="text" value="Aab8ef5e0c31cb9a3"/>	<input type="text" value="x read x write"/>
Resource Ids*	Grant Type*
<input type="text" value="x aaa x cibappservice x userservice"/>	<input type="text" value="x native x native refresh"/>
AccessToken Time*	
<input type="text" value="1 day"/>	
<a href="#">Update</a>	<a href="#">Cancel</a>

## Delete Client

Delete any client by clicking the **Delete** icon



.

## Search Client

Search for a client by typing the client ID in **Search**.

Search:	<input type="text" value="Enter Search Text"/>	<button>+ Add Resource</button>			
Client ID	Resource Name	Resource Type	Scopes		
Aab8ef5e0c31cb9a3	MyWayAndroid	password.refresh_token	read.write	<button>Disable</button>	<button></button> <button></button>
A4571ed0f09cc60be	MyWayAndroid	password.refresh_token	read.write	<button>Disable</button>	<button></button> <button></button>
Ae31e96d05384faa5	MyWayAndroid	password.refresh_token	read.write	<button>Disable</button>	<button></button> <button></button>
Af752a55e851feada	MyWayAndroid	password.refresh_token	read.write	<button>Disable</button>	<button></button> <button></button>
A54119b087200ed11	MyWayAndroid	password.refresh_token	read.write	<button>Disable</button>	<button></button> <button></button>
Aaa80f4c078c143c5	MyWayAndroid	password.refresh_token	read.write	<button>Disable</button>	<button></button> <button></button>

## User Management

Use the User Management module to register BIP users of the following types:

- Active Directory (AD)
- Single Sign-on (SSO)

- Local Database (DB)

**User Management**

Search: Enter Search Text

Register User

First Name	Last Name	User Name	Userid	Provider	Last LoggedIn	Role	Actions
webibcc	admin	webibccadmin	654e42c7-f930-48bc-ae11-916e887f5ef6	DB	null	Enabled	[Add] [Delete]
dip	admin	dipadmin	654e42c7-f930-48bc-ae11-916e887f5ef5	DB	null	Enabled	[Add] [Delete]
Manoja	Sompalli	sompalm	76aa2644-835b-45a1-9ee4-9a94206dea67	SSO	null	Enabled	[Add] [Delete]
webdip	admin	webdipadmin	9d18e558-6265-46b8-949e-76007c573df7	DB	2021-04-20 11:16:37.0	Enabled	[Add] [Delete]

Items per page: 25

Search: Enter Search Text

Register User

First Name	Last Name	User Name	Email	Provider	Last LoggedIn	Role	Actions
Seshank S	Pendyala	pendyas	SeshankS.Pendyala@utc.com	UTC AD	null		[Disable] [Edit]
dip	admin	dipadmin	dipadmin@utc.com	UTC DB	2017-11-01 16:31:17.0	ROLE_ADMIN	[Disable] [Edit]
webdip	admin	webdipadmin	webdipadmin@utc.com	UTC DB	2017-11-01 15:47:51.0	ROLE_ADMIN	[Disable] [Edit]

Items per page: 25

## Register User

Follow the steps below to register a BIP user:

- Go to the **User Management** tab and click **Register User**.

View User

Domain Name\*  
Enter your Domain Name

User Name\*  
User Name

Email\*  
Email

Role\*  
Role

First Name  
First Name

Last Name  
Last Name

Register Clear

- Provide user information.

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- To register an Active Directory user:
    - a. In **Domain Name**, select **Active Directory**.
    - b. Provide a username or email address, and tab to the next field.  
The remaining information is automatically populated, except for **Role**.
    - c. Select the **Role**.
  - To register a Single Sign-On user (Screen-2)
    - a. In **Domain Name**, select **Single Sign-On**.
    - b. Enter the **username**, **email**, **first name**, **last name**, and **password**.
    - c. Select the **Role**.
  - To register a Local DB User
    - a. In **Domain Name**, select **Local MyWay User**.
    - b. Select the username from the provided list of local DB users.
    - c. User's first name, last name and email will get populated.
    - d. Select the **Role**.
- 3** Click **Register**.

## Role Types

Role	Description
<b>User</b>	A user with this role can access only the MyWay App.
<b>Admin</b>	A user with this role can access only the MyWay App. Similar to User, but also has full Community Space access by default.
<b>Demo</b>	A user with this role can access the MyWay App for demonstration purposes only.
<b>Operator</b>	Not applicable
<b>MyWay Admin</b>	A user with this role can access the MyWay App and the Commissioning tools. By default, user has full access to all space types.
<b>Admin with Web Login</b>	A user with this role can access the MyWay App and the Commissioning tools. MyWay access is the same as the Admin role.

**NOTE** For more information about MyWay App access, see Role Based Access in the *MyWay Commissioning Tool Application* document.

## Bulk Upload

Upload UsersActive Directory users can be uploaded in bulk by following the instructions below.

- 1** On the **User Management** tab, click **Register User**.

- 2** Click the **Upload** icon



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- 3** Click **Download Sample CSV** and open the sample CSV file.

View User

1. Download bulk user registration template with help of download sample CSV button.

2. Provide the list of user details by following guidelines.

- DomainName, Role fields are mandatory
- Supported values for DomainName field are AD,DB,and SSO
- Supported values for Role are ROLE\_ADMIN,ROLE\_DEMO,ROLE\_MYWAYADMIN,ROLE\_USER,ROLE\_OPERATOR, and ROLE\_ADMIN\_WEBLOGIN
- For AD user, either Username or EmailID is mandatory value and must exists in Active Directory
- For DB user, username is a mandatory value and must exist in DB
- For SSO user, All fields are mandatory

3. Upload the updated CSV file for bulk user registration.

Download Sample CSV

Use downloaded file for bulk user registration

Choose File

No file chosen

Upload File

- 4** Provide users' information according to the column headers, then click **Upload File**.

[illegible]

- 5** These users now appear in **User Management** and can be viewed by clicking **View User**.

View User

Download Sample CSV

Use downloaded file for bulk registration of AD Users

Choose File

No file chosen

Upload File

## Space Management

Space Management is used to configure spaces, map spaces to Location Service System spaces, and map Microsoft® Office conference rooms to spaces.

## Space Commissioning

This module is used to create spaces for a building.

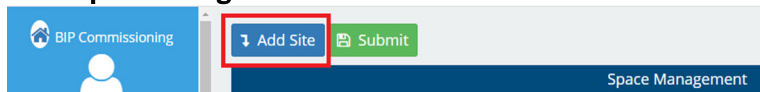
- Spaces are created in a hierarchy, for example, **Site** > **Building** > **Floor** > **Space**.
- Spaces can be of 2 types, **Open** or **Closed**.
- Nested spaces can be created up to 4 levels of nesting, with **Site** as the root.

The screenshot shows the 'Space Management' interface. At the top, there are buttons for 'Add Site' and 'Submit'. Below this, a tree structure is visible. The root node is 'Carrier HRDC' with fields for '17.4374' and '78.3851', and an 'Add Space' button. A child node is 'HRDC Building' with the same coordinates and an 'Add Identifier' button. Under 'HRDC Building', there are several floor nodes: '1 Floor 09 9th Floor', '2 Floor 10 10th Floor', '3 Floor 11 11th Floor', '4 Floor 12 12th Floor', '5 Floor 13 13th Floor', and '6 Floor 14 14th Floor'. Each floor node has an 'Add Space' button. Under the '1 Floor 09' node, there are three space entries: 'Open Space' (Garage Room, Garage, Alias Name), 'Closed Space' (Elevator, Elevator Group 1, Alias Name), and 'Closed Space' (Elevator, Elevator Group 2, Alias Name). Each space entry has an 'Add Space' button and a close 'X' button.

## Add Space

Follow the instructions below to create any type of space.

- 1 Go to **Space Management** and click **Add Site**.



- 2 Enter the **Site Name**.
- 3 Click **+** and then enter the site longitude, latitude.
- 4 Enter **Floor** name.
- 5 Click **+**, and then click **Add Space**.
- 6 Select a **Space Type**, for example, Open Space or Closed Space.
- 7 Select space tag, for example, Reception, Pantry, or Development Area.
- 8 Enter the name of the space.
- 9 After all spaces are created, click **Submit**.
- 10 At each floor level and space, you can give the space a descriptive alias name to indicate which floor is mapped to which space. For example, in the case of a manager cabin space, the alias name could be "BIP manager".

## NOTES

- Space names must be the same as a space available in the building.
- By default, you can add no more than 10 spaces.

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## Delete Space

Follow the steps below to delete any space.

- 1 Click **X** for the space you want to delete.
- 2 Click **Confirm**.

**NOTE** If parent space is deleted, then nested child spaces are also deleted.

The screenshot shows the 'Space Management' interface. At the top, there are buttons for 'Add Site' and 'Submit'. Below this is a tree structure of spaces. The root node is 'HRDC' with a delete button (X). It has two children: 'TestPOC' and '1'. 'TestPOC' has a delete button (X) and two children: '4' and '6'. '1' has a delete button (X) and two children: 'First Floor' and 'Alias Name'. 'First Floor' has a delete button (X) and two children: 'Open Space' and 'Corridor Space'. 'Open Space' has a delete button (X) and two children: 'corridor' and 'Alias Name'. 'Corridor Space' has a delete button (X) and two children: 'corridor' and 'Alias Name'. '2' has a delete button (X) and two children: 'SeconFloor' and 'Alias Name'.

## Other Actions

- Update the name of a space:
  - a) Click the space name text.
  - b) Enter the desired name.
  - c) Click **Submit**.
- Update and delete latitude and longitude fields at the building level.

## Space Mapping

Space Mapping allows you to map building spaces with Location Service System spaces. Location Service System spaces come from Location System API's (Phunware/Purple). Before mapping at the Spaces level, its corresponding parent must be mapped.

The screenshot shows the 'Space Mapping' interface with a list of mapping options: 'Site to Site Mapping', 'Building to Building Mapping', 'Floor to Floor Mapping', and 'Space to Space Mapping'.

## Add Site to Site Mapping

Site to Site Mapping based on Configured Location Service System:

Follow the steps below to map a site with Location Service system campus

- 1 Click **Site to Site Mapping**, then select the site and corresponding Location Service System campus.
- 2 Click **Add**.
- 3 Click **Submit**.

**Site to Site Mapping**

\*\*\* Sites having accessKeys & signature keys will only be listed. And those keys on successful authorization with Phunware, can be mapped.

Search:

Site	Phunware Space (Campus)	CMX Space (Campus)	
Mindspace Raheja	System Campus	System Campus	<input type="button" value="Add"/>

Items per page:

Site	Phunware Space (Campus)	CMX Space (Campus)	
<input type="text" value="Select Sites"/>	Venues: <input type="text" value="Select Phunware Venues"/>	<input type="text" value="Select CMX Campus"/>	<input type="button" value="Add"/>

## Add Building to Building Mapping

Building to Building Mapping based on Configured Location Service System

Follow the steps below to do building to building:

- 1 Click **Building to Building mapping**.
- 2 Select **Site > Building > Location Service System Building**
- 3 Click **Add**.
- 4 Click **Submit**.

**Building to Building Mapping**

\*\*\* Buildings under the mapped Sites can only be mapped.

Search:

Site	Building	Phunware Space (Building)	CMX Space (Building)	
Mindspace Raheja	Building 12(c)	Kennesaw Office	Kennesaw Office	<input type="button" value="Add"/>

Items per page:

Site	Building	Phunware Space (Building)	CMX Space (Building)	
<input type="text" value="Select Sites"/>	<input type="text" value="Select Building"/>	<input type="text" value="Select Building"/>	<input type="text" value="Select Building"/>	<input type="button" value="Add"/>

## Add Floor to Floor Mapping

Floor to Floor Mapping based on Configured Location Service System:

Follow the steps below for floor-to-floor mapping.

- 1 Click **Floor to Floor**.
- 2 Select **Site > Building > Floor > Location Service System Floor**.
- 3 Click **Add**.
- 4 Click **Submit**.

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**Floor to Floor Mapping**

\*\*\* Floors under the mapped Sites. Building can only be mapped

Search:

Site	Building	Floor	Phunware Space (Floor)	CMX Space (Floor)	
Mindspace Raheja	Building 12(c)	Floor11	Kennesaw_2nd_floor	Kennesaw_2nd_floor	<input type="button" value="Delete"/>

Items per page:

Site	Building	Floor	Phunware Space (Floor)	CMX Space (Floor)	
Select Sites	Select Building	Select Floor	Select Floor	Select Floor	<input type="button" value="Add"/>

## Add Space to Space Mapping

Space to Space Mapping based on Configured Location Service System

Follow the steps below for space to space mapping:

- 1 Click **Space to Space**.
- 2 Select **Site > Building > Floor > Space > Location Service System Space**.
- 3 Click **Add**.
- 4 Click **Submit**.

**Space to Space Mapping**

\*\*\* Spaces under the mapped Sites. Building and Floors can only be mapped

Search:

Site	Building	Floor	Room	Phunware Space (Points)	CMX Space (Zones)	
Mindspace Raheja	Building 12(c)	Floor11	11th Elevator Bay	Elevator	Reception	<input type="button" value="Delete"/>

Items per page:

Site	Building	Floor	Room	Phunware Space	CMX Space	
Select Sites	Select Building	Select Floor	Select Space	Select Points	Select Spaces	<input type="button" value="Add"/>

## Delete Mapping

You can delete the mapping at site level, building level, floor level, and space level. Click **Delete** next to the mapping you want to delete.

**Space to Space Mapping**

\*\*\* Spaces under the mapped Sites. Building and Floors can only be mapped

Search:

Site	Building	Floor	Room	Phunware Space (Points)	CMX Space (Zones)	
Mindspace Raheja	Building 12(c)	Floor11	11th Elevator Bay	Elevator	Reception	<input type="button" value="Delete"/>

Items per page:

Site	Building	Floor	Room	Phunware Space	CMX Space	
Select Sites	Select Building	Select Floor	Select Space	Select Points	Select Spaces	<input type="button" value="Add"/>

## Cancel Mapping

Any mapping which has not been submitted can be canceled by clicking **Cancel**.

Space to Space Mapping

\*\*\* Spaces under the mapped Sites, Building and Floors can only be mapped

Search:

Site	Building	Floor	Room	Phunware Space (Points)	CMX Space (Zones)	
Mindspace Raheja	Building 12(c)	Floor11	11th Elevator Bay	Elevator	Reception	<input type="button" value="X"/>

Items per page: 10

Site	Building	Floor	Room	Phunware Space	CMX Space	
Select Sites	Select Building	Select Floor	Select Space	Select Points	Select Spaces	<input type="button" value="Add"/>

## Search Mapping

Mapping can be searched in any section with the **Search** box.

Space to Space Mapping

\*\*\* Spaces under the mapped Sites, Building and Floors can only be mapped

Search:

Site	Building	Floor	Room	Phunware Space (Points)	CMX Space (Zones)	
Mindspace Raheja	Building 12(c)	Floor11	11th Elevator Bay	Elevator	Reception	<input type="button" value="X"/>

Items per page: 10

Site	Building	Floor	Room	Phunware Space	CMX Space	
Select Sites	Select Building	Select Floor	Select Space	Select Points	Select Spaces	<input type="button" value="Add"/>

## Conference Room Mapping

This module maps Meeting Room and Conference Room spaces so MyWay users can reserve a room.

### Add Conference Mapping

- 1 Click **Conference Room Mapping**.
- 2 Enter your password in case of EWS, or email address and password if you are using Office 365.  
**NOTE** Office 365 Graph configuration does not require any input to load the Exchange Group and available rooms.
- 3 Select **Site > Building > Space** (select space type and space) > **Exchange Group > Exchange Meeting Room**.
- 4 Click **Add**.
- 5 Click **Submit**.

BIP Commissioning

Logged in as: webdipadmin

System Configuration

Local DB User Creation

Resource Registration

User Management

Space Management

- Space Commissioning

- Space Mapping

- Conference Room Mapping

Search:

Site	Space	Exchange Group	Exchange Meeting Room	
HRDCMILE	Meeting5	RLHYDHRDCConfRooms@carrier.com	chanakya@carrier.com	<input type="button" value="X"/>
HRDCMILE	Tiruveb Office	RLHYDHRDCConfRooms@carrier.com	chola2@carrier.com	<input type="button" value="X"/>
HRDCMILE	Conf6	RLHYDHRDCConfRooms@carrier.com	agni@carrier.com	<input type="button" value="X"/>
HRDCMILE	Conf4	RLHYDHRDCConfRooms@carrier.com	Hoysala@carrier.com	<input type="button" value="X"/>

Items per page: 10

Site	Building	Space	Exchange Group	Exchange Meeting Room	
Select S	Select Buildi	Select Space Type	Select Exchange Group	Select Exchange F	<input type="button" value="Add"/>
		Select Spaces			

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## Delete Conference Space Mapping

Delete a conference space mapping by clicking the red **Delete** icon.

## Search Conference Space Mapping

To search for a conference space, begin typing in the **Search** box.

Site	Space	Exchange Group	Exchange Meeting Room	
HRDCMILE	Tiruveb Office	RLHYDHRDCConfRooms@carrier.com	chola2@carrier.com	

Items per page: 10

## Device Management

To map end system devices to spaces, you must use Device Management to map Access Control, HVAC, Lighting, Elevator, and iBeacon devices. You can control temperature, light, reader access, and elevator functionalities.

## Access Control

Access Control allows you to associate devices with spaces. For example, Open Spaces can be associated with Readers (categorized as IN and Other). Closed Spaces can be associated with Readers (categorized as IN and Other) and Light Scenes. Easily manage your access control options with the space tree-structure.

## Associate devices with Space

You can associate access readers with spaces with two categories, “Access Point-In” and “Access Point -Other”.

- 1 Click **Associate Devices** next to a space.
- 2 Select the type (**Access Point -In** or **Access Point -Other**) and select readers.
- 3 Click **Submit**.

Space Devices Association

DLF 17.4422347 78.3954168

DLF North Tower

Floor 11

Open Space 10th Floor Lobby

Open Space 11th Floor Elevator Area

Open Space 11th Floor Lobby Area

Open Space 9th Floor Cafeteria

Open Space 9th Floor Elevator

Associate Devices

Select Devices:

Select Device Type: Select Devices

Closed Space

Open Space

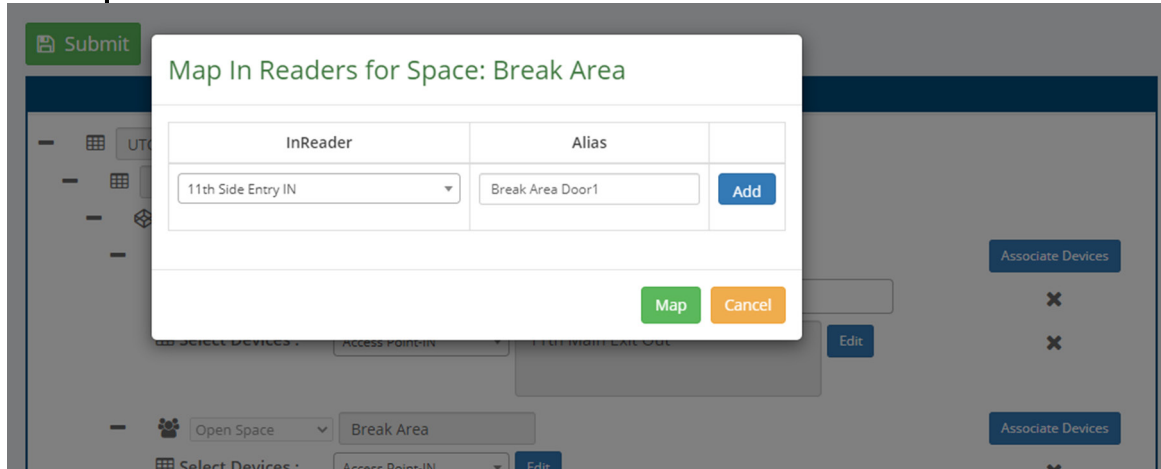
Access Point-IN

Access Point-Other

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### To associate "IN Readers":

- 1 Click **Associate Devices**, and then select **Access Point-In Readers**.
- 2 Select a reader and then click **Add**.
- 3 Click **Map**.



- 4 Click **Submit**.

**NOTE** Admins can change the default alias name of a reader. This is the name that appears in **Doors** on the mobile app.

### *Edit Space-Device Mapping*

Edit space device mapping with **Edit**.

### To edit a device

- 1 In a space, click **+** to expand the space detail.
- 2 Click **Edit** and select a device
- 3 Click **Submit**.

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## To edit an access point reader

- 1 Click **Edit**, and then select a reader.
- 2 Click **Add**, and then click **Map**.
- 3 Click **Submit**.

The screenshot shows a configuration form for an 'Open Space' named 'DIP Development Area'. There is an 'Edit' button in the top right corner. Below the space name, there are two input fields: 'In Readers:' with the value '1000-ID1-1320-0-1' and 'Other Readers:' with the value '1000ID2-1320-2-1'.

## Delete Space-Device Mapping

Follow the steps below to delete a space device mapping.

- 1 Click **Edit** next to the space with the mapping you want to delete.
- 2 Click the **Delete** icon **X**.
- 3 Confirm the deletion.

**NOTE** Deleting the space-device mapping deletes only mapping, and not the space.

The screenshot shows the 'Space Devices Association' interface. On the left is a sidebar with navigation links: 'System Configuration', 'Local DB User Creation', 'Resource Registration', 'User Management', 'Space Management', 'Device Management', 'Access Control', 'HVAC', and 'Lighting'. The main area displays a tree view of spaces: 'HRDCMILE' (with IP addresses 26.8818 and 80.1231), 'HRDCBuild', 'Floor1', 'Floor2', and 'Floor3'. Under 'Floor3', there are two 'Closed Space' entries: 'AV3' and 'Chappan Office'. The 'Chappan Office' entry is selected, showing 'In Readers:' as 'BSG Reader2'. To the right of this entry, there is an 'Edit' button (highlighted with a red box) and a delete icon 'X'. Further right, there are buttons for 'Associate Devices', 'Cancel', and 'Associate Devices'.

## HVAC

This module is used to associate temperature data points with spaces.

## Mapping Temperature Zone

Select Device :  
Temperature

Map Zones - Spaces Submit

### Temperature Zone Management

Select Zones Covers Spaces : Select Spaces

×

Zone for device floor09\_hvac\_break Update Space Mapping ×

Has Datapoints Properties : floor09\_hvac\_break:zone\_temp of: Floor 09 \* / HVAC / Break Area

Covers Spaces : C2Elevator; ComfortOpenspace; F3OpenSpace; F5Openspace

### Associate Temperature Zone with Spaces.

- 1 Click **Map Zones – Spaces**.
- 2 Select **Temperature Zone** and then select spaces.
- 3 Click **Submit**.

## Update Spaces

Follow the steps below to update any space against a temperature zone.

- 1 Click **+** to expand the temperature zone.
- 2 Click **Update Space Mapping**.
- 3 **Delete** or **Add** spaces as required.
- 4 Click **Submit**.

Map Zones - Spaces Submit

### Temperature Zone Management

Zone for device color\_ozone1 Update Space Mapping ×

Has Datapoints Properties : color\_ozone1:zone\_temp of: Floor 09 \* / HVAC / Tenant 3

Covers Spaces : ST Admin's Cabin; ST Office 5

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## Delete Temperature Zone Mapping

- 1 Click the **Delete** icon **X**.
- 2 Confirm the deletion.

The screenshot shows the 'Temperature Zone Management' interface. A confirmation dialog box is open, asking 'Are you sure to delete spaces with this Zone?' with 'OK' and 'Cancel' buttons. The background interface includes a sidebar with navigation options like 'System Configuration', 'Local DB User Creation', 'Resource Registration', 'User Management', 'Space Management', 'Device Management', 'Access Control', and 'HVAC'. The main area has a 'Map Zones - Spaces' button and a 'Submit' button. Below, there's a table with two rows: 'Zone for device color\_ozone1' and 'Zone for device floor09\_hvac\_break'. Each row has a 'Cancel' button and a delete icon (X).

## Lighting

This module is used to associate lighting devices with spaces.

The screenshot shows the 'Light Zone Management' interface. It has 'Add Zones' and 'Submit' buttons at the top. Below, there's a table with one row: 'Lighting'. This row has 'Update Datapoints' and 'Update Space Mapping' buttons, and a delete icon (X). Below the table, there are three sections: 'Manual Datapoints' with value 'LightDevice23\_AI0-9125', 'Scene Datapoints' with value 'LightDevice23\_AI0-9125', and 'Covers Spaces' with value 'Chappan Office'.

## Associate Light Zone with Space

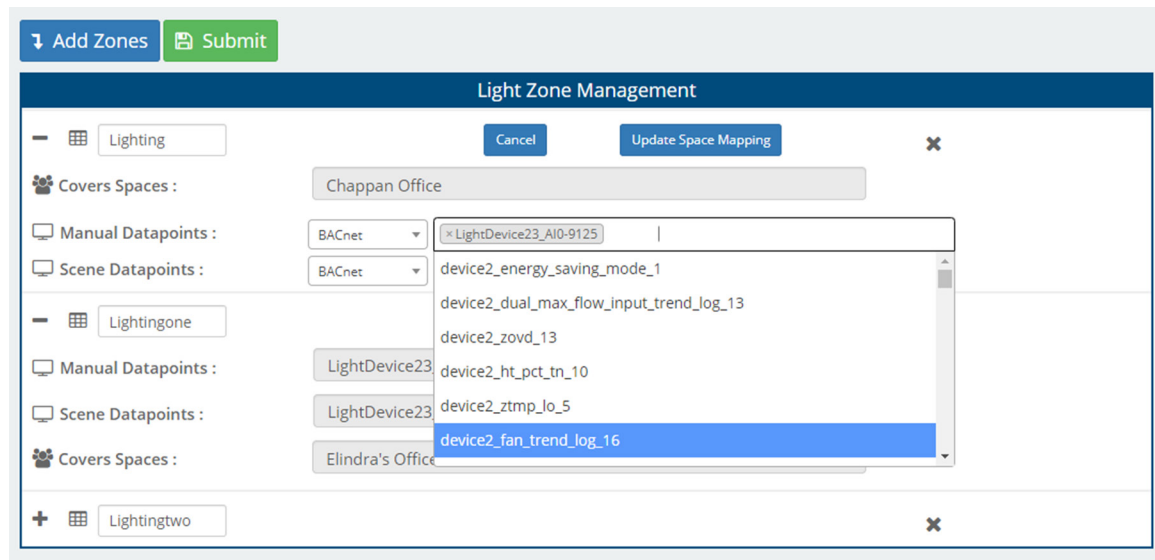
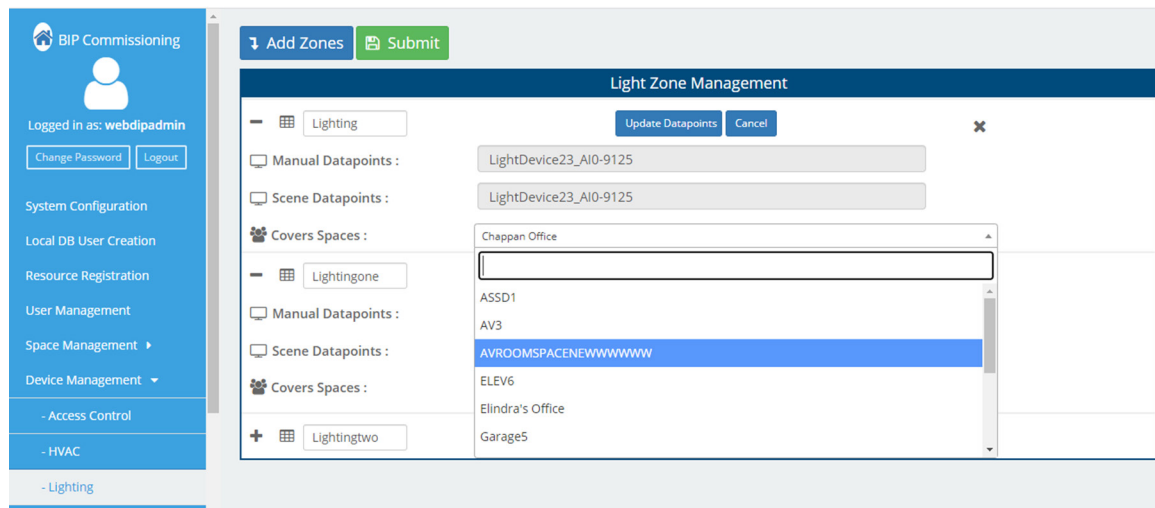
- 1 Click **Add Zones**.
- 2 Enter a name for the zone.
- 3 Click the **Expand** icon **+**.
- 4 Click **Set Datapoint** and select a light system from the drop-down box.
- 5 Select a light device for **Manual Datapoints** or **Scenes Datapoints** configuration.
- 6 To associate space with this zone, click **Associate Space**, and then select the desired space
- 7 Click **Submit**.

The screenshot shows the 'Light Zone Management' interface with annotations. The 'Add Zones' button is highlighted with a red box. The 'ClientZone' input field is highlighted with a red box. The 'Set Datapoints' and 'Associate Spaces' buttons are highlighted with a red box. The 'Manual Datapoints' and 'Scene Datapoints' sections are highlighted with a red box. The 'Covers Spaces' section is highlighted with a red box. The 'Set Datapoints' button is highlighted with a red box. The 'Associate Spaces' button is highlighted with a red box. The 'Submit' button is highlighted with a red box.

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## Update Light Zone

In this module you can Update Zone names, Update Light Datapoint, and Update Space Mapping.



To update a space against a light zone,

- 1 Click **+** to expand that light zone.
- 2 Click **Update Space Mapping**.
- 3 Delete spaces or add new spaces as required.
- 4 Click **Submit**.

To update Light Datapoint Mapping

- 1 Click **+** to expand the light zone.
- 2 Click **Update Datapoint**.
- 3 Select the required light datapoints.
- 4 Click **Submit**.

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- 1 Click on **Zone Name**, and enter the new name.
- 2 Click **Submit**.

### Delete Light Zone Mapping

- 1 Click the **Delete** icon **X**.
- 2 Confirm the deletion.

The screenshot shows a 'Delete Node' dialog box with the text 'Are You Sure To Delete This Node?'. It has two buttons: 'OK' and 'Cancel'. In the background, a table is visible with columns for 'Name', 'Type', and 'Status'. The table contains three rows: 'Lighting' (Type: Manual Datapoints, Status: X), 'Lightingone' (Type: Manual Datapoints, Status: X), and 'Lightingtwo' (Type: Manual Datapoints, Status: X). The 'Status' column is highlighted with a red border.

Name	Type	Status
Lighting	Manual Datapoints	X
Lightingone	Manual Datapoints	X
Lightingtwo	Manual Datapoints	X

## Elevator

This module is used to associate elevator groups with floors.

Map Groups - Spaces

Submit

Elevator Group Management

Select Groups

Covers Spaces : 

Select Spaces

×

−

PASS1

Elevator-2

Update Space Mapping

Show Group Cars

×

Covers Spaces :

Floor-1 - 1-Elevator2; Floor-2 - 2-Elevator2; Floor-3 - 3-Elevator2; Floor-4 - 4-Elevator2; Floor-5 - 5-Elevator2

+

PASS2

Elevator-4

×

## Add Elevator Mapping

- 1 Click **Map Group-Spaces**.
- 2 Select a **Group**, and then select a space from **Cover**.
- 3 Click **Update Space Mapping**.
- 4 Click **Submit**.

**NOTE** Use **Show Group Cars** and **Hide Group Cars** to view or hide group cars.

Map Groups - Spaces Submit

Elevator Group Management

PASS1 Elevator Group1 Update Space Mapping Hide Group Cars

Covers Spaces : Floor 10 - Elevator Group 1; Floor 09 - Elevator Group 1; Floor 13 - Elevator Group 1; Floor 11 - Elevator Group 1; Floor 12 - Elevator Group 1

2 : Elevator2 1 : Elevator1

PASS2 Elevator Group2

## Update Space Mapping

Click **Update Space Mapping**, and then select a space.

Map Groups - Spaces Submit

Elevator Group Management

PASS1 Elevator Group1 Cancel Hide Group Cars

Covers Spaces : Floor 10 - Elevator Group 1; Floor 09 - Elevator Group 1; Floor 13 - Elevator Group 1; Floor 11 - Elevator Group 1; Floor 12 - Elevator Group 1

2 : Elevator2 1 : Elevator1

PASS2 Elevator Group2

Floor 11 - Elevator Group 2  
Floor 10 - Elevator Group 2  
Floor 12 - Elevator Group 2  
Floor 13 - Elevator Group 2  
Floor 09 - Elevator Group 2

## Delete Spaces Mapped with Elevator group

- 1 Click the **Delete** icon **X**.
- 2 Confirm the deletion.

The screenshot shows a web interface titled "Map Groups - Spaces". A modal dialog box is open with the text "Are you sure to unmap spaces with this Elevator Groups?". Below the dialog, the interface shows a list of spaces. The first space is "PASS1" mapped to "Elevator Group1". It has a "Covers Spaces" list: "Floor 10 - Elevator Group 1; Floor 09 - Elevator Group 1; Floor 13 - Elevator Group 1; Floor 11 - Elevator Group 1; Floor 12 - Elevator Group 1". Below this, there are two input fields for "2:" (Elevator2) and "1:" (Elevator1). At the bottom, there is a "PASS2" space mapped to "Elevator Group2". Buttons for "Update Space Mapping" and "Hide Group Cars" are visible.

## iBeacon Device Management

This module allows mapping iBeacon devices to spaces. You can map iBeacon to spaces using UUID, RSSI, Major, and Minor values.

The screenshot shows a web interface titled "iBeacon Space Devices Association". It features a tree view on the left with the following structure: "hrdc site1" (expanded) -> "HRDCBUILDING" (expanded) -> "Floor-1" (expanded) -> "room1" (expanded). To the right of "room1", there is a form to add iBeacon devices. The form has four input fields: "11144", "1144", "-4", and "80". There is a "Submit" button at the top left and an "Add iBeacon" button next to the "room1" entry. Below "room1", there are three more entries: "room2", "F1-Conference Room", and "F1-Meeting Space", each with an "Add iBeacon" button.

Field	Description
Building	Admin has configured UUID and RSSI values in building level.
Floor	Admin has configured UUID and RSSI values in floor level.
Room	Admin has configured Minor, Major, RSSI and Batter level (read only) values in room space level.

**NOTE** iBeacon configuration is performed in the MyWay App, by a MyWay Admin. A list of all configured iBeacon devices is visible on this page.

## Delete iBeacon device

- 1 Click the **Delete** icon **X**.
- 2 Confirm the deletion.

The screenshot shows the 'iBeacon Space Devices Association' interface. It features a tree view under 'hrdc site1' with 'HRDCBUILDING' containing 'Floor-1'. 'Floor-1' has 'room1' and 'room2'. Each room has an 'Add iBeacon' button. A red box highlights a delete icon (X) next to a value '80' in the room1 section.

## Scene Commissioning

This module creates or updates Scenes for temperature or lighting points for a selected space. There are two modes for a Scene, OFF and ON.

The screenshot shows the 'Scene Management' interface. It features a tree view under 'HRDC Site' with 'HRDC Building' containing 'Floor-1' and 'Floor-2'. 'Floor-2' has 'Open Space' and 'Closed Space' sections. Each section has a 'Create Scene' button. A red box highlights a delete icon (X) next to a value '10' in the 'Closed Space' section.

### Create Scenes

- 1 Click **Create Scene**, and then enter the **Index**, **Scene Label**, and **Scene Alias** details.
- 2 Add **Scene Data**, select the system type from the available list.
- 3 Chose **Zone/Datapoint** from the list.
- 4 Choose the datapoint ID or zone ID from the list, and enter the set value for scene management.
- 5 Enter the **Enter** set value.
- 6 Click **Submit**.

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## Delete Scenes

- 1 Click the **Delete** icon **X**.
- 2 Confirm the deletion.

## Documents

This module allows the administrator to upload privacy notice documents and the customer's building image to display on the MyWay App.

The screenshot shows the BIP Commissioning interface. On the left is a blue sidebar with a user profile icon and the text 'Logged in as: webdipadmin'. Below this are buttons for 'Change Password' and 'Logout'. A list of menu items follows: 'System Configuration', 'Local DB User Creation', 'Resource Registration', 'User Management', 'Space Management' (with a right arrow), 'Device Management' (with a dropdown arrow), 'Scene Commissioning', and 'Documents' (which is highlighted). The main content area on the right contains a table with the following data:

File Type	File Upload	View File	
privacyNotice	Yes	<a href="#">Open</a>	
buildingLogo	No	<a href="#">Open</a>	

**NOTE** To upload building image the following are restrictions;

- Building image should be a 1242x900 .png file.
- File size should be maximum up to 2 MB.
- Building image background should not be transparent.

## About

This module displays an option to view and download documents like the EULA, Privacy Notice and 3rd Party Library License Information.

## Document revision history

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Important changes to this document are listed below. Minor changes such as typographical or formatting errors are not listed.

Date	Topic	Change description	Code*
		No updates yet	

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