# Honeywell REMOTE BUILDING MANAGER INNCOM DIRECT DASHBOARD



# **Gateway Configuration Guide**

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# **Related documentation**

The following documents provide additional information about this product.

- INNCOM Direct Dashboard User Guide 31-00707
- INNCOM Direct Onboarding Guide 31-00746

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# **1. OVERVIEW**

The overview of the entire onboarding, configuration, cloud supervisor procedure for using the **INNCOM Direct Dashboard** is illustrated below:

# **RBM** INNCOM DIRECT DASHBOARD OVERVIEW



For more details on configuring the above tasks, refer to the below documents:

Tasks	Document
Order In-take and Onboarding Portal	INNCOM Direct Onboarding Guide - 31-00746
Gateway Configuration	INNCOM Direct Gateway Configuration Guide - 31-00708
Cloud Supervisor	INNCOM Direct Dashboard User Guide - 31-00707

# 2. PREREQUISITES

The prerequisites to using Remote Building Manager - INNCOM Direct Dashboard are as follows:

# **IMPORTANT:**

These requirements must be prepared/installed on-site as the initial step in the onboarding process.

Software Requirement	<ul><li>Niagara 4.13u3</li><li>Chrome browser (Recommended)</li></ul>
	• Must have a Global Capacity license only if PMS exists to cover the global points which are not a part of the standard Device/point calculation.
	• The Niagara workbench license must be upgraded to Niagara 4.13u3.
License Requirements	NOTE:
	Ensure the following licenses or features are enabled in the Niagara 4.13u3 license. • INNCOM1.license • INNCOM1.certificate • nCloudDriver feature
	Follow the steps below to set up a new station:
Station Template	<ul> <li>INNCOMDirectStation.ntpl station template file is located at 'C:\Niagara\Niagara4.13.x.xxx\defaults\workbench\newStations' folder.</li> <li>Use this template while station creation in Niagara Workbench</li> </ul>
	• Ensure an Internet connection is available, and ports are open.
	• The following domain names should be added to inbound and outbound firewall rules for UDP INNCOM port 23211 for INNCOM Network:
	*.scm.azurewebsites.net
	*.azurewebsites.net
IP Network	<ul> <li>* tridium.com</li> <li>* tridium.com</li> </ul>
	<ul> <li>*.honeywell.com</li> </ul>
	• *.niagara-community.com
	*.trafficmanager.net
	<ul> <li>*.azure-devices.net</li> <li>sentt01aprodfu.blob.core.windows.net domain should be opened for port 443.</li> </ul>
Cloud Creation &	A subscription must first be purchased.
and User Account	The user must be a member of the organization.
Creation & Activation	For more details on user registration and account activation, refer to INNCOM Direct Onboarding Guide - 31-00746.
Firmware Upgrade	Contact the technical support representative to obtain the latest firmware upgrade files.

#### 

The PC must always be connected to an Uninterrupted power supply (UPS).

# 2.1. Install the D578 Edge Routers

Out of the box, INNCOM Direct D578 Edge Router is an essential part of Honeywell's online HVAC solution designed to reduce energy usage in guestroom and common area, enabling hoteliers to reach sustainability goals faster. Additionally, INNCOM Direct provides the capability for portfolio management to optimize room and equipment performance to increase guest satisfaction and decrease operational costs.



For further guidance, capabilities, and installation instructions, please refer to the following document:

• INNCOM Direct D-578 Edge Router Installation Instructions - 31-00720.

# 2.2. Install the D1-528 Thermostats (For Single Component Solution)

The INNCOM Direct D1-528 thermostat functions as a programmable digital thermostat, automatically adjusting the fan speeds and valves to achieve a set temperature. The D1-528 thermostat delivers superior convenience, comfort, and energy management for both guests and hoteliers and uses INNCOM's low cost, self-forming RF mesh network for wireless communications, fast setup, and easy maintenance. The INNCOM Direct D1-528 thermostat is equipped with an array of on-board sensing capability including temperature, humidity, motion, and photo sensors. When used in combination with the 5 on board relays and a collection of digital and analog I/O, the D1-528 becomes a central component for an online HVAC energy management system.



For further guidance, capabilities, and installation instructions, please refer to the following document:

• INNCOM Direct D1-528 Thermostat Installation Instructions - 31-00721 - 01.

# 2.3. Install the D1-529 Thermostats and D-X47-24 Universal Relay Pack (For Two Component Solution)

The battery powered INNCOM Direct D1-529 thermostat functions as a programmable thermostat, automatically adjusting the fan speeds and valves to achieve a set temperature when coupled with the DX47 HVAC Controller. The D1-529 thermostat delivers superior convenience, comfort and energy management for both guests and hoteliers and uses INNCOM's low cost, self-forming RF mesh network for wireless communications, fast setup, and easy maintenance. The INNCOM Direct D1-529 thermostat is equipped with an array of on-board sensing capability including temperature, humidity, motion, and photo sensors. When used in combination with the DX47 HVAC Controller, the D1-529 becomes a central component for an online HVAC energy management system.



The DX47 provides five relay outputs and a range of digital and analog I/O to control a wide variety of light duty HVAC systems. The DX47 is the companion to the wireless D1-529-6V battery powered thermostat, and uses INNCOM's low cost, self-forming RF mesh network for wireless communications, fast setup, and easy maintenance.



For further guidance, capabilities, and installation instructions, please refer to the following document:

• INNCOM Direct D1-529 Thermostat And D-X47 Power Relay Installation Guide - 31-00722

INNCOM DIRECT GATEWAY CONFIGURATION GUIDE

# 3. CONFIGURATION













Create a new station

Connect to the station

Configure your prod location

Launch Easy Onboard Wizard Complete Gateway Onboarding Wizard Configuration

- 1. Create a New Station Using 'INNCOMDirectStation' Template
- 2. Connect to the Station
- 3. Launching EasyOnboardService
- 4. Gateway Onboarding Wizard Configuration
- 5. Gateway Registration

# 3.1. Create a New Station Using 'INNCOMDirectStation' Template

- 1. Open the Niagara workbench and connect to the platform.
- 2. Navigate to the menu bar and click **Tools** > **New Station.** The **New Station Wizard** opens.
- 3. Type the station name in the **Station Name** text box.
- 4. Select INNCOMDirectStation.ntpl under Station Templates and then click Next.

# 

Station should be created only using the INNCOMDirectStation.ntpl template

Station Name			
techwrite			
Station Directory			
C:\Users\Administrator\Niaga	ara4.12\t	idium\st	tation
Station Templates			
Name	Vendor	Version	Description
INNCOMDirectStation.ntpl	Honeywell	2.0	INNCOM Din
لی ا NewControllerStation.ntpl	Tridium	1.6	2
NewControllerStation.ntpl	Tridium Tridium	1.6 1.4	2
NewControllerStation.ntpl NewJACEProvisioningStation.ntpl NewSupervisorStationLinux.ntpl	Tridium Tridium Tridium	1.6 1.4 1.8	2
NewControllerStation.ntpl NewJACEProvisioningStation.ntpl NewSupervisorStationLinux.ntpl NewSupervisorStationWindows.ntpl	Tridium Tridium Tridium Tridium	1.6 1.4 1.8 1.8	2

- 5. Click on **Set Password** to create user-defined credentials.
- 6. Select copy it to secure platform for "localhost" with Station Copier check box and then click Finish.

	0	
New Station	Wizard	
Username Role(s	) Modified?	10
admin admin		
Set Password	1	
		<b>\</b>
		7
Vhen 'Finish' is presse	d, save the station and	
Yhen 'Finish' is presse 〉 open it in user hom	d, save the station and ne	2
Vhen 'Finish' is presse 〉 open it in user hom 衸 [copy it to secure pla	d, save the station and ie atform for "localhost" with Station	2 Copier
Vhen 'Finish' is presse > open it in user hom > copy it to secure pla > close the wizard	d, save the station and ne atform for "localhost" with Station	
Vhen 'Finish' is presse > open it in user hom > copy it to secure pla > close the wizard	d, save the station and ne atform for "localhost" with Station	2 Copier

# 3.2. Connect to the Station

1. On the Platform pane on the right, double-click on the **Application Director** utility. All stations displayed, Under **Connected to localhost**.

Application	Directo	r			
Connected to loc	alhost				
Name	Туре	Status	Details	Auto-Start	Restart on Failure
Aapup	station	Idle	fox=n/a,foxs=n/a,http=n/a,https=n/a	false	true
Entsec	station	Idle	fox=n/a,foxs=n/a,http=n/a,https=n/a	false	true
Entsec1	station	Failed	fox=n/a,foxs=n/a,http=n/a,https=n/a	true	true
entsec414	station	Idle	fox=n/a,foxs=n/a,http=n/a,https=n/a	false	true
HTMLViews	station	Idle	fox=n/a,foxs=n/a,http=n/a,https=n/a	false	true
techwrite	station	Idle	fox=n/a,foxs=4911,http=n/a,https=443	false	true

2. In the list, select the station, and then click **Start** button on the right.

HTMLViews	station	Idle	fox=n/a,foxs=n/a,http=n/a,https=n/a	false	true
					Auto-Start
					Start
					Stop

The station starts, as indicated by the status Running in the Status column.

Application	Directo	r				
Connected to loc	alhost					
Name	Туре	Status	Details	Auto-Start	Restart on Failure	ş
Aapup	station	Idle	fox=n/a,foxs=n/a,http=n/a,https=n/a	false	true	
Entsec	station	Idle	fox=n/a,foxs=n/a,http=n/a,https=n/a	false	true	
Entsec1	station	Failed	fox=n/a,foxs=n/a,http=n/a,https=n/a	true	true	
entsec414	station	Idle	fox=n/a,foxs=n/a,http=n/a,https=n/a	false	true	
HTMLViews	station	Idle	fox=n/a,foxs=n/a,http=n/a,https=n/a	false	true	
E techwrite	station	Running	fox=n/a,foxs=4911,http=n/a,https=443	false	true	

3. In the Nav Tree, right-click on the **My Host** folder, and then click **Open Station** in the context menu.



The **Connect** dialog box opens.

0	pen St	ation wit	th TLS			
Co	nnect	to station	using fox ov	er TLS.		
ession				-		-
Туре	Sta	ition TLSC	onnection	-		
	IP	-		1	9	-
Host						

#### 4. Click OK.

The Authentication dialog box opens.

N Logon	required for access	
ealm Name l	ocal: foxs:	
Scheme f redentials Username	Fox (n4digest)	
Password	Change User	
Password	adadadadadadadadada	

- 5. If not already done, enter **Username** and **Password** and check **Remember these credentials** box.
- 6. Click **OK**.
  - The station opens. On the Station pane on the right the components of station are displayed:
    - Alarm
    - Config
    - Files
    - Spy
    - Hierarchy
    - History

At the bottom, the Summary pane displays general properties and its settings (Station Name, Host, etc.) of the station.

•

Station (	techwrite)
Name	Description
Config	The station configuration database
E Files	File System accessed over Fox session
Spy	Diagnostics information for remote VM
History	History database

Summary Prop	perties
Property	Value
Station Name	techwrite
Host	/10.68.128.186
Host Model	Workstation
Host Model Version	
Host Product	
Host Id	Win-53D0-BCA9-F02C-3749
Niagara Version	4.14.0.159.134
Java Version	OpenJDK 64-Bit Server VM 25.412-b08
OSVersion	amd64 Windows 10 10.0
Locale	en_US

# 4. WIZARD-ASSISTED COMMISSIONING – (EASY ONBOARD SERVICE)

# 4.1. Overview

The EasyOnboard Service wizard allows users to onboard INNCOM Direct rooms and devices and sync them to the cloud. Through an easy-to-use dashboard, Easy Onboard Service eliminates the need to manually update parameters within stations on the Workbench, allowing even less Niagara-savvy users to configure the INNCOM Direct dashboard easily.



# 4.2. Launching EasyOnboardService

The EasyOnboardService comes built-in with **INNCOMDirectStation** template.

#### Steps to launch EasyOnboardService:

1. Go to the Service folder and double-click EasyOnboardService.

#### 

The EasyOnboardService is available in both the Niagara workbench view as well as the web-based view. It is recommended to use the web-based view to get a better experience of EasyOnboardService.

 Open your web browser, type "https://" followed by hostname or IP address of the local host (PC) in the browser's address field, and press Enter. The login window opens.

techwr	ite	
R	Username: admin Password:	<u>Change User</u> Login

- 3. Enter your credentials (Username and Password), and click **Login**.
- 4. In the Nav tree, expand the **Station > Config > Services** and click **EasyOnboardService**.

ProgramService	Program Service	0
SearchService	Search Service	. 0
TagDictionaryService	Tag Dictionary Service	0
E TemplateService	Template Service	0
WebService	Web Service	0
* * EasyOpboardService	Easy Onboard Service	0
InncomFirmwareUpgradeService	Inncom Fw Upgrade Service	0
PlatformServices	Platform Service Container	0

This action launches the Remote Building Manager Gateway Onboarding setup.



5. If your remote site is a part of the EU GDPR country, click **Yes** and **CONTINUE**. The wizard will update the URL based on the selection of the checkbox. For more details about the GDPR country, click (i) icon.



#### 

EU region is not available in INNCOM Direct MVO1 release. Please do not select 'Yes' in this step.

6. Select the **INNCOM Direct** checkbox, and then click **CONTINUE** to proceed to the *Gateway Onboarding Wizard Configuration*.



# 4.3. Gateway Onboarding Wizard Configuration

The Remote Building Manager Gateway Onboarding wizard consists of six tabs. To complete the Remote Building Manager Gateway Onboarding setup, complete the below configuration in the sequential order mentioned below.

- 1. Internet Configuration
- 2. Property Configuration
- 3. Edge Router Configuration
- 4. Room Configuration
- 5. Cloud Configuration
- 6. Review & Cloud Sync

(1)	- 2		4	<b>1</b>	6
Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync
lost Name		Adapter			
IE3BBMSIC5Dev02		Intel(R) 82574L Gigabit Network Connection #2 +		Use IPv6	
DNS Domain		Primary DNSv4 Server			
honeywell.com		199.63.219.166			
Pv4 Gateway		Secondary DNSv4 Server			
10.78.2.1		10.255.100.10			
Pv4 Address		IPv4 Subnet mask		DHCPv4 Server	
10.78.2.215		255.255.255.0		10.192.14.220	

## 4.3.1. Internet Configuration

The Internet Configuration tab displays the details of all the parameters required for Internet configuration. Additionally, the dashboard allows you to modify the adapter or IP settings. If you modify the IP settings, then you will be prompted to reboot the gateway by clicking **Test Connection to Continue** button to reflect the IP changes.

By default, IPv4 protocol configuration information is displayed, if you want to use IPv6 protocol configuration select the **Use IPv6** option.

Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync	
Host Name		Adapter				
IE3BBMSIC5Dev02		Intel(R) 82574L Gigabit N	etwork Connection #2 💂	Use IPv6		
DNS Domain		Primary DNSv4 Server				
honeywell.com		199.63.219.166				
IPv4 Gateway		Secondary DNSv4 Server				
10.78.2.1		10.255.100.10				
Pv4 Address		IPv4 Subnet mask		DHCPV4 Server		
10.78.2.215		255.255.255.0		10.192.14.220		
Advance View >						

The below table describes the components of the Internet Configuration tab.

Components	Description
Host Name	Display the hostname of the Niagara Workbench.
DNS Domain	Display the DNS domain of the Niagara Workbench.
IPv4 Gateway	Display IPv4 gateway address of the Niagara Workbench.
IPv4 Address	Display IPv4 address of the Niagara Workbench.
Adapter	Display adapter details and allows the user to select a different adapter, if available.
Primary DNSv4 Server	Display primary DNSv4 server address of the Niagara Workbench.
Secondary DNSv4 Server	Display secondary DNSv4 server address of the Niagara Workbench.
IPv4 Subnet mask	Display IPv4 Subnet mask address of the Niagara Workbench.
DHCPv4 Server	Display DHCPv4 Server address of the Niagara Workbench.

To perform additional configuration, click on **Advance View**, and modify the necessary parameters.

Save the configuration and exit the advance view.

Tcp Ip Platfor	m Service Plugin
Host Name	localhost
Hosts File	¥
Use IPv6	Yes
DNS Domain	
IPv4 Gateway	159.99.183.1
DNSv4 Servers	199.63.219.166 165.195.30.99
IPv6 Gateway	
DNSv6 Servers	⊕ 🗶 ▲ ▼
Interfaces	Interface 1 ▼ Interface 2 ▼

Click **TEST CONNECTION TO CONTINUE** to verify the Internet configuration settings.

EasyOnboardService checks the IP configuration and ensures that it can connect to the registration, authentication, and registration URL present on the EasyOnboardService property sheet.

The tab displays a green banner indicating a successful connection established.

DNS Domain	Primary DNSv4 Se	erver				
Default Hostname	Intel(r) 82574l gi	igabit network conne	<u> </u>	IPv6		
Hostname	Adapter			$\checkmark$	Testing Connectivity Internet connectivity established	
Configuration						

### 4.3.2. Property Configuration

The **Property Configuration** tab allows you select the **Property Management System (PMS)**, and configure **Weather Services** and **Domestic Hot Water Temperature**.

Honeywell   Remote B	uilding Manager (RBM) Ga	teway Onboarding set	tup		
Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync
Property Management System None Weather Services					
Configure Domestic Hot Water Tempera	lture				
ВАСК					CONTINUE

**Property Management System**: A Property Management System (PMS) is a software platform used to streamline and automate various tasks associated with managing the operations of a property. It serves as a central hub for managing reservations, check-ins, check-outs, room assignments, billing, housekeeping, guest preferences, and other administrative functions.

- 1. Select None if you are not using a third-party PMS platform.
- 2. Select the desired PMS from the drop-down menu if you are using a third-party PMS platform.



3. Configure the following parameters if your PMS platform is a serial-based communication driver.

Scientific Atlanta					
Communication Port		Baud Rate		Data Bits	
		Baud50	2	DataBits5	<mark>3</mark> •
Parity		Stop Bits		Flow control	
None	(4)~	StopBit1	(5)	None Selected	6

4. Configure the following parameters if your PMS platform is a TCP/IP-based communication driver.

Property Management System			
Micros			
IP Address	Port		
		2	

#### 5. Configure the following parameters if your PMS is PM TCP/IP.

Property Management S	ystem
PM TCP/IP	~
Port	

#### IMPORTANT:

The PMS configuration establishes communication between the third-party PMS platform and the gateway (Niagara Workbench) to update real-time check-ins, check-outs, and room assignments.

**Weather Services**: The INNCOM Direct provides a provision to activate the weather services on which the site resides.

- 1. Select the Weather Services checkbox.
- 2. Enter the latitude and longitude where the site is located.
- 3. Enter the API Key.

An API key for a weather service is a unique identifier that allows system to access and use the weather data provided by that service through its Application Programming Interface (API).

**Domestic Hot Water Temperature**: The INNCOM Direct provides a provision to measure Domestic Hot water temperature.

- 1. Select the Configure Domestic Hot Water Temperature checkbox.
- 2. Select the Thermostat's Room ID from the drop-down menu.
- 3. After configuring the above properties, click **CONTINUE** to proceed to the *Edge Router Configuration*.

Honeywell   Remote Bu	ilding Manager (RBM)	Gateway Onboarding se	tup			
Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync	
Property Management System						
Scientific Atlanta		Raud Data		Data Dita		
Communication Port					X	
Parity		Stop Bits		Flow control		
None		StopBit1				
Weather Services						
Latitude		Longitude		Api Key		
🛃 Configure Domestic Hot Water Temperatu	ıre					
Thermostat's Room ID						
This thermostat will be used only for measurin temperature, other functionalities may not app	ng Domestic hot water ply.					
ВАСК					CONTINUE	

# 4.3.3. Edge Router Configuration

The **Edge Router Configuration** tab allows you to configure the Edge Router connected to the INNCOM Direct network. Currently, only one edge router can be configured.

Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync
Configure Default Router PAN ID	т (1)	Router ID	2	Router Name Router 1	3
BACK					

- 1. Enter the device **PAN ID**.
- 2. Enter the Router ID.

# NOTE:

The PAN ID and Router ID are set at the factory. The system fills these IDs automatically. Therefore, do not change the PAN ID and Router ID unless necessary.

- 3. Enter the Router Name.
- 4. Click **CONTINUE** to proceed to the *Room Configuration*. The below dialog appears if the edge router is offline or fails to communicate.

Edge Router Not Found	
Router Router 1 is either offline or not access still want to Continue?	ssible with the provided details Do you

5. Click **CANCEL**, and then click **CONTINUE** to retry the Edge Router configuration.

#### 

The system will take approximately 90 seconds to complete the router configuration and proceed to the next screen.

## 4.3.4. Room Configuration

	Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync	
() RC	DOMS					ADD ROOM	Action -
	ROOM NAME	ROOM ID 🗘	ROOM TYPE 💲	ROUTER \$	PAN ID	ACTION	
			No Poom	s added vet			
			ADD	ROOM			
	BACK					CONTINUE	

The Room Configuration tab allows you to add rooms, edit or delete rooms, and configure the properties of rooms.

#### 4.3.4.1. Add/Edit/Delete Rooms

1. Click ADD ROOM.

	Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync	
0 RC	OMS						Action -
	ROOM NAME	ROOM ID	ROOM TYPE 🗘	ROUTER 🗘	PAN ID 💲	ACTION	
			No Boom	s added vet			
			ADD	ROOM			
	BACK					CONTINUE	

The ADD ROOM window is displayed.

Guest Common	
Select Thermostat Configuration Wired D1 Termostat  Wireless D529 D47	-3
Room ID	4
1 🞗 2 🚷 3 🚷 100-199 🛠	
Please enter Room Id's	
Odd Or Even Room	
All	- 5
Router	
Router 11	- 6
Room Name Prefix	
	<b>—</b>

- 2. Select the room type, **Guest** or **Common**.
- 3. Select the thermostat configuration, **Wired D1 Thermostat** or **Wireless D529 D47**.
- 4. Enter the room ID. There are two ways to add room IDs:
  - **Single entry** Enter a room ID and press the space bar or comma (,) on your keyboard to add the entry.
  - **Bulk entry** Enter room IDs in the range (for example, 100-199) and press the space bar or comma (,) on your keyboard to add the entry.
- 5. Select **Odd**, **Even**, or **All** rooms. This only applies to the bulk entries (the room IDs entered in the range).

Odd Or Even Room	
	•
All 🐚	
Odd	
Even	

For example, if you select

- Odd In the bulk entries (100-199), only odd room IDs will be added to the room list.
- Even In the bulk entries (100-199), only even room IDs are added to the room list.
- All Adds all room IDs (odd and even) to the room list.
- 6. Select the router (the router is automatically selected by default).
- 7. Enter the room name prefix.
- 8. Click ADD.

#### The rooms are added to the list.

	Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync
53 F	ROOMS					ADD ROOM Action -
	ROOM NAME	ROOM ID	ROOM TYPE 🗘	ROUTER \$	PAN ID 🗘	ACTION
	Room 174	174	Guest	Router 11	11	
	Room 172	172	Guest	Router 11	11	
	Room 170	170	Guest	Router 11	11	
	Room 168	168	Guest	Router 11	11	
	Room 166	166	Guest	Router 11	11	
	Room 164	164	Guest	Router 11	11	•••

#### 9. To edit a room, click the three-dot icon (...) next to the desired room and click Edit Room.

#### 10. To delete a room, click the three-dot icon (...) next to the desired room and click **Delete Room**.

	Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync
53 1	ROOMS					ADD ROOM Action -
	ROOM NAME	ROOM ID	ROOM TYPE 💲	ROUTER 🗘	PAN ID	ACTION
	Room 198	198	Guest	Router 11	11	Edit Room
	Room 196	196	Guest	Router 11	11	Delete Room 10
	Room 194	194	Guest	Router 11	11	
	Room 192	192	Guest	Router 11	11	•••

#### 11. After completing the room configurations, click **CONTINUE** to proceed to the *Cloud Configuration*.

Room 164	164	Guest	Router 11	11	•••
Room 162	162	Guest	Router 11	11	
BACK					NTINUE



# NOTE:

A room will be added or deleted only after you click the **Continue** button.

## 4.3.5. Cloud Configuration

The Cloud Configuration dashboard allows registering the device gateway with Cloud Connector. Additionally, the dashboard provides the details of status gateway registration, gateway connected, cloud connector, system type, and system GUID.

Welcome to Remote Building Manager (RBM) Gateway Onboarding setup						
internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync	
Cloud Connector Registration Register gateway with the Cloud connector log credentials shared over an email.			Gateway Registered Gateway Connected Cloud Connector Gateway Association	<ul> <li>: × Registered</li> <li>: × Connected</li> <li>: ✓ Enabled</li> <li>: × Failed   Re-associate Gateway</li> </ul>		
BACK					CONTINUE	

The below table describes the components of the **Cloud Configuration** tab.

Components	Description
Gateway Registered	Displays the status of gateway registration.
Gateway Connected	Displays the online or offline status of the connected gateway.
Cloud Connector	Displays the status of the Cloud Connector.
Gateway Association	Displays the status of the gateway association. It also allows users to perform gateway association by clicking <b>Re-associate Gateway</b> .

#### To register the gateway, click **REGISTER GATEWAY**.

Cloud Connector	Gateway Registered	× Registered
Registration	Gateway Connected	× Connected
Register gateway with the Cloud connector login credentials shared over an email.	Cloud Connector	✓ Enabled
REGISTER GATEWAY	Gateway Association	🗙 Failed 💭 Re-associate Gateway

#### 4.3.5.1. Gateway Registration

4.

To register the gateway, follow the steps below.

1. By Clicking REGISTER GATEWAY on the Cloud Configuration dashboard, a web page will be displayed based on the environment selected.



ASSOCIATION

6. After the gateway registration is successful, confirm the gateway status is changed to registered and connected on the **Cloud Configuration** page of the Onboarding Wizard.

Welcome to Remote B	uilding Manager (RB	M) Gateway Onboard	ling setup		
Internet Configuration	Property Configuration	Edge Router Configuration	Room Contiguration	Cloud Configuration	Review & Cloud Sync
Cloud Connector Registration Register gateway with the Cloud connector log credentials shared over an email.	gin .		Gateway Registered Gateway Connected Cloud Connector Gateway Association	<ul> <li>∴ Registered</li> <li>∴ Connected</li> <li>∴ Enabled</li> <li>∴ Failed  Re-associate Gateway</li> </ul>	
BACK					CONTINUE

# NOTE:

If **Gateway Registered** & **Gateway Connected** status are shown as **Unregister** & **Disconnected**, then go to the Station's service container, right-click on **CloudConnector** > **Actions** > **Reconnect**. Wait for a few minutes. The gateway will attempt to reconnect.

- 7. Once the gateway status shows as **Registered** and **Connected**, proceed with association from the **Gateway Registration** web page.
- 8. Click **ASSOCIATION** in the Gateway Registration web page. The gateway association process will initiate.

9. After successful association, the gateway association status will be shown.

admin-buildingsmanager-qaa.dev.honeywellcloud.com/gat	eway/registration/#/?systemId=N4%3ADeansgate	-Station%3ATst-4582-C0FD-E571-F06A&systemType=honeywell-nia
DREYWEII   Gateway Registrat	ion	English US (English-US) 🕤 🛛 Logour
Review gateway details		
iystem ID	System Type	Version
N4:Deansgate-Station:Tst-4582-C0FD-E571-F06A	honeywell-niagara-device	4.10.0.154
Select site to register the gateway Organization Shopping Malls King of Prussia		
Select site to register the gateway Organization Site Shopping Malls King of Prussia		
Select site to register the gateway Organization Shopping Malls System Guid b52be03d-6637-4368-bdc3-e	29312f3941c	×
Select site to register the gateway Organization Shopping Malls System Guid b52be03d-6637-4368-bdc3-e Gateway Registration Success	29312f3941c	×
Select site to register the gateway Organization Shopping Malls System Guid b52be03d-6637-4368-bdc3-e Gateway Registration Success Gateway Association Success	29312f3941c	×

10. After the gateway association is successful, confirm the **Gateway Association** status is changed to **Completed** on the Cloud Configuration page of the Onboarding Wizard, as shown below.

Welcome to Remote Building Manager (RBM) Gateway Onboarding setup						
Internet Configuration	Property Configuration	Edge Router Configuration	Room Contiguration	Cloud Configuration	Review & Cloud Sync	
Cloud Connector Registration Register gateway with the Cloud connector logil credentials shared over an email.			Gateway Registered Gateway Connected Cloud Connector Gateway Association	<ul> <li>Registered</li> <li>Connected</li> <li>Enabled</li> <li>Completed</li> </ul>		
васк					CONTINUE	

# NOTE:

A warning message is shown if the user is trying to close the Gateway Registration web page before the Association process. Once it is closed, the Association cannot be done from the Gateway Registration web page. To re-associate the gateway, refer to step 11.

DREYWEII   Gateway Registrat	ion	Leave site? Changes you made may not be saved.		Logou
Review gateway details		Leave	Cancel	
ystem ID	System Type	Version		
N4:Deansgate-Station:Tst-4582-COFD-E571-F06A	honeywell-niagara-device	4.10.0.154		
Select site to register the gateway				
Select site to register the gateway Organization Site Shopping Malls Ving of Prussia				
Select site to register the gateway Organization Shopping Malls	ú		04.92	ĩ
Select site to register the gateway Organization Shopping Malts System Guid b52be03d-6637-4368-bdc3-e	229312f3941c		×	]
Select site to register the gateway Organization Shopping Malls System Guid b52be03d-6637-4368-bdc3-e Gateway Registration Success	29312f3941c		×	

11. If the **Gateway Registration** web page is closed without performing the association, open the **Cloud Configuration** page of the Onboarding Wizard, and click **Re-associate Gateway** to complete the association.

Welcome to Remote Building Manager (RBM) Gateway Onboarding setup						
internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration		Cloug Configuration	Review & Cloud Sync
Cloud Connector Registration Register gateway with the Cloud connector login credentials shared over an email.			Gateway Registered Gateway Connected Cloud Connector Gateway Association		<ul> <li>Registered</li> <li>Connected</li> <li>Enabled</li> <li>Failed C Re-associate Gateway</li> </ul>	

# NOTE:

If **Gateway Registered** & **Gateway Connected** status are shown as **Unregister** & **Disconnected**, then go to the Station's service container, right-click on **CloudConnector** > **Actions** > **Reconnect**. Wait for a few minutes. The gateway will attempt to reconnect.

If reconnecting fails, go to the **Gateway Certificate Management** window and ensure the status of the cloud connector certificate is in the approval state.

If the **Cloud Connector** reconnect failed, and **Gateway Registered** and **Gateway Connected** are not changed to **Registered** and **Connected**, copy and save the system GUID from the **Gateway Registration** web page and contact your system administrator.

12. Close the **Gateway Registration** web page on successful Association and navigate to the **Gateway Onboarding** wizard.

#### 13. Click **CONTINUE** to proceed to the *Review & Cloud Sync* dashboard.

Welcome to Remote Building Manager (RBM) Gateway Onboarding setup						
Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	ciouq Configuration	Review & Cloud Sync	
Cloud Connector Registration Register gateway with the Cloud connector login credentials shared over an email.			Gateway Registered Gateway Connected Cloud Connector Gateway Association	: V Registered : V Connected : V Enabled : V Completed		
ВАСК					CONTINUE	

The point tagging and cloud device configuration process will occur automatically before landing on **Review & Cloud Sync** dashboard.

#### 4.3.6. Review & Cloud Sync

The **Review & Cloud Sync** tab validates the status of the existing license synced to the cloud. Additionally, this tab displays your license capacity and discovered points and allows the user to modify the synced points.

Honeywell Remo	ote Building Manager	(RBM) Gatewa	y Onboarding setup		
internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync
				Cloud s	rync process started
License Status Based on your current license here are the li	st of resources which will be sync'ed to cloud				
Global Capacity License Limit	: 79 / Unlimited Points				
RBM Subscription	: 10000 Points				
nCloud License Limit	: Unlimited Points				
Gateway History Logs	: Unlimited Logs				
Points Discovered	: 58 Points Review points to synd				

The below table describes the components of the **Review & Cloud Sync** window.

Components	Description
License Status	
Global Capacity License Limit	Displays the global capacity license limit.

RBM Subscription	Displays the number of licenses subscribed for points.		
nCloud License Limit	Displays the available license capacity for the nCloud driver.		
Gateway History Logs	Displays the limit of history logs for the gateway.		
Points Discovered	Displays the number of discovered points. A red alert icon is displayed if the discovered points are more than the Remote Building Manager licensed points. Click the <b>Review points to sync</b> option to add or remove points. For information, see <i>Review Points to Sync</i> .		

#### 4.3.6.1. Review Points to Sync

The **Review Points to Sync** window allows users to add or remove points based on the requirements and license limit. The selected point will be included in the Model Sync.

Revie 196 / 1250 Subscribe	d points license	Please review a	ind select which points will be in	ncluded in Model Sync	×
Filter By	Drivers: All +	Status: All 👻 Clear	3		0 Selected Search Q
	NAME 🗘	status 🗘		DRIVERS 🗘	ратн 🗘
	S1-Test Alarm Point	Sync	AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S1-Test Alarm Point
	S2-FCU1.1 Room Temperature	Sync	AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S2-FCU1.1 Room Temperature
	S3-FCU1.2 Room Temperature	Sync	AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S3-FCU1.2 Room Temperature
	S4-FCU1.3 Room Temperature	Sync	AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S4-FCU1.3 Room Temperature
	S5-FCU1.4 Room Temperature	Sync	AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S5-FCU1.4 Room Temperature
	S6-AHU1 RA Temperature	Sync	AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S6-AHU1 RA Temperature

Callout	Description
1	Displays the proportion of synced points to the total subscribed license points.
2	<b>SYNC POINT</b> : This option allows the user to sync the selected points (included in the Model Sync). <b>IGNORE POINT</b> : This option allows the user to ignore the synced points (excluded from the Model Sync). Sync).
L	Do not change points to be synced unless necessary.

Callout	Description							
	Allows the user to filter the po	pints by <b>Drivers</b> , <b>Device</b>	<b>s</b> , and <b>Status</b> .					
	Filter by Drivers:							
	<ul> <li>All: Displays all the points that are associated with all the drivers.</li> <li>BacnetNetwork: Displays the points that are associated only with the Bacnet network (in case of TC500 exists).</li> </ul>							
	Filter by Devices:							
3	<ul> <li>All: Displays all the data points connected to all the device models.</li> <li>AnywhereSuperviosr 1: Displays the points that are associated only with the specific device mode (for example, AnywhereSupervisor 1, Anywheresupervisor 2).</li> </ul>							
	Filter by Status:	-						
	• All: Displays all the synced	l and ignored points.						
	Sync: Displays only the synce of the sy	nced points.						
	• Ignore: Displays only the I	gnorea points.						
	Click <b>Clear</b> to set the fil	ter options (Drivers, Dev	vices and Stat	us) to the default state <b>All</b>				
	Selected: Displays the numb	er of selected points fro	m the point lie					
4	Search Field: Allows the user	to search the points by	their name or	equipment type (for example, FCU,				
	AHU, VAV, Temperature, and s	so on).						
	Displays the list of Points per	r the selected filter.						
		3 4	5	6				
		STATUS C DEVICE MODEL C	DRIVERS 🗘					
	S1-Test Alarm Point	Sync AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S1-Test Alarm Point				
	S2-FCU1.1 Room Temperature	Sync AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S2-FCU1.1 Room Temperature				
	S3-FCU1.2 Room Temperature	Sync AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S3-FCU1.2 Room Temperature				
5	S4-FCU1.3 Room Temperature	Sync AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S4-FCU1.3 Room Temperature				
	S5-FCU1.4 Room Temperature	Sync AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S5-FCU1.4 Room Temperature				
	S6-AHU1 RA Temperature	Sync AnywhereSupervisor 1	BacnetNetwork	/AnywhereSupervisor 1/S6-AHU1 RA Temperature				
	1. Allows the user to select	t the points to perform s	ync or ignore	operation based on the requirement.				
	2. Displays the point's nar	ne.						
	3. Displays the point's stat	tus (Sync or Ignore).						
	4. Displays the point's Dev	vice Model.						
	5. Displays the associated	driver name.						
	6. Displays the point's dire	ectory path.						

#### Steps to perform the Sync action:

1. Filter the points by **Drivers**, **Devices**, and **Status**.

#### 

To perform the Sync action, ensure the filter by Status is set to Ignore.



2. Enter the point name in the search field to select the specific point type – for example, AHU, FCU, VAV, Temperature, Room and so on.



3. Click the checkbox to select the required points that have the **Ignore** status.

NAME 🗘	status 🗘	
S6-AHU1 RA Temperature	Ignore	AnywhereSupervisor 1
S7-AHU1 RA Humidity	Ignore	AnywhereSupervisor 1
S8-AHU1 RA CO2	Ignore	AnywhereSupervisor 1
S9-AHU1 Inlet Temperature	Ignore	AnywhereSupervisor 1
S10-AHU1 Outlet Temperature	Ignore	AnywhereSupervisor 1
S11-AHU2 RA Temperature	Ignore	AnywhereSupervisor 1

4. Or, use the select all checkbox column to select all the points from the list.

<b>I</b> .	NAME \$	status 💲	
	S2-FCU1.1 Room Temperature	Sync	AnywhereSupervisor 1
	S3-FCU1.2 Room Temperature	Sync	AnywhereSupervisor 1
	S4-FCU1.3 Room Temperature	Sync	AnywhereSupervisor 1
	S5-FCU1.4 Room Temperature	Ignore	AnywhereSupervisor 1
	D5-FCU1.1 Heating Valve	Ignore	AnywhereSupervisor 1
	D6-FCU1.1 Cooling Valve	Ignore	AnywhereSupervisor 1

#### 

The points are listed based on the applied filter and the particular point type searched in the previous steps.

5. The number of selected points is displayed next to the search field.



6. Click **SYNC POINT** to sync the selected points to be a part of Model Sync.



#### Steps to perform the Ignore action:

1. Filter the points by **Drivers**, **Devices**, and **Status**.

To perform the Ignore action, ensure the filter by Status is set to Sync.

Filter By	BacnetNe* Anywhere*	All -	Clear	
П		All		
		Sync		
	S30-VAV2 RA Humidity	Ignor		

2. Enter the point name in the search field to select the specific point type – for example, AHU, FCU, VAV, Temperature, and so on.



3. Click the checkbox to select the required points that have the **Sync** status.



4. Or, use the select all checkbox column to select all the points from the list.



## NOTE:

B

The points are listed based on the applied filter and the particular point type searched in the previous steps.

5. The number of selected points is displayed next to the search field.



6. Click **IGNORE POINT** to exclude the synced points from the Model Sync.



After configuring the components in the **Review points to sync** window, the number of synced points are in displayed on the **Review & Cloud Sync** dashboard.

Honeywell Remote Building Manager (RBM) Gateway Onboarding setup								
Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync			
License Status Based on your current license here are the li	st of resources which will be sync'ed to cloud							
Global Capacity License Limit	: 79 / Unlimited Points							
RBM Subscription	: 10000 Points							
nCloud License Limit	: Unlimited Points							
Gateway History Logs	: Unlimited Logs							
Points Discovered	58 Points Review points to sync							

#### Click **GENERATE AND PREVIEW MODEL** to display the **Preview Model** window of the synced points.

Honeywell Remote Building Manager (RBM) Gateway Onboarding setup										
Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync					
License Status Based on your current license here are the lis	st of resources which will be sync'ed to cloud									
Global Capacity License Limit	: 79 / Unlimited Points									
RBM Subscription	: 10000 Points									
nCloud License Limit	: Unlimited Points									
Gateway History Logs	: Unlimited Logs									
Points Discovered	: 58 Points Review points to sync									
BACK			GENERATE AN	D PREVIEW MODEL	CLOUD SYNC					

The Preview Model window displays the point list preview that will be synced to the cloud.

Preview Model This is 'Read Only' information and to modify please click on 'Review Points to Sync' from Onboarding Summary step.	$\times$
EXPAND ALL COLLAPSE ALL	
> ICDScale	
> Csu Device	
> Energy	
> RouterPCT	
> Room 101	

- The points hierarchy list is generated based on the tagging. .
- Click **EXPAND ALL** to expand the hierarchy list.

Preview Model		$\times$
This is 'Read Only' information	and to modify please click on 'Review Points to Sync' from Onboarding Summary step.	
EXPAND ALL CO	LAPSE ALL	
√ICDScale		
roomStatusCount		
rentedOccupiedSummary		
roomRentedSummary		
roomStatusSummary		
coolingValveOpeningSummary		
roomOccupiedSummary		
rentedUnoccupiedSummary		
heatingValveOpeningSummary		
routerStatusCount		
unrentedUnoccupiedSummary		
Gateway CPU Usage		
routerStatusSummary		
Gateway Memory Usage		
unrentedOccupiedSummary		
Gateway Memory High Limit		

• Click **COLLAPSE ALL** to display the default view.

After validating the components in the Review & Cloud Sync dashboard, click **CLOUD SYNC**. This action uploads the filtered points to the cloud.

Honeywell Remote Building Manager (RBM) Gateway Onboarding setup									
Internet Configuration	Property Configuration	Edge Router Configuration	Room Configuration	Cloud Configuration	Review & Cloud Sync				
License Status Based on your current license here are the lic	st of resources which will be sync'ed to cloud								
Global Capacity License Limit RBM Subscription nCloud License Limit Gateway History Logs Points Discovered	: 79 / Unlimited Points : 10000 Points : Unlimited Points : Unlimited Logs : 58 Points Review points to sync								
BACK			GENERATE AND		CLOUD SYNC				

The dashboard notifies when the points are synced to the Cloud.

The Remote Building Manager INNCOM Direct supervisor URL will display on the successful onboarding. Visit the URL link to remotely control and command the building automation system from the RBM INNCOM Direct supervisor. Click **CANCEL** to restart the Remote Building Manager Gateway onboarding configuration.



In any time of product life cycle, if there is necessity to re-onboard like removal/addition of entities, user can directly switch to any tab and make necessary modifications and press continue to apply the changes.

# NOTE:

User should complete onboard atleast once successfully i.e., till above tab to directly switch to particular tab otherwise perform procedure explained in 4.3 section.

# **5. INNCOM DIRECT OTA FIRMWARE UPGRADE**

The firmware upgrade process via an OTA firmware wizard is a step-by-step process to update the software running on a device (Thermostat, Edge Router, or Relay). Users typically initiate the process by accessing the Firmware Upgrade Wizard service within the Gateway. Once started, the wizard will guide you through the process, providing status updates and prompting you to take the necessary actions.

During the upgrade process, the wizard displays progress bars to keep you informed of the status of each device being upgraded. If multiple devices are selected, the dashboard can organize upgrades in parallel or queue them sequentially based on system capabilities and user preferences. Upon completion, the wizard provides confirmation of the successful upgrade and any relevant post-upgrade instructions, allowing you to verify the updated firmware version and ensure the device is functioning properly.

# 5.1. Prerequsites

#### 5.1.1. Create an INNCOM firmware folder in the station shared folder.

- 1. Contact the technical support representative to obtain the latest firmware upgrade files.
  - D1-528 thermostat: INNCOM\_Direct\_D1\_528\_vx.x.xx.bin
  - D-X47 Relay: INNCOM\_Direct\_DX47\_vx.x.x.bin
  - D-578 Router: INNCOM\_Direct\_D578\_vx.x.xx.bin
- 2. If you are using a daemon user home, in your local PC, navigate to the following location: C:\ProgramData\Niagara4.13\tridium\stations\station\_name\shared.
- 3. If you are using workbench user home, in your local PC, navigate to the following location: C:\Users\Niagara4.13\tridium\stations\station\_name\shared.
- 4. Place the firmware files that is required for the firmware upgrade in **inncom\_firmware** folder.

#### 5.1.2. Ensure devices are connected to the INNCOMNetwork.

Ensure that your devices remain connected to the INNCOM Network. If the INNCOM Network is deleted or removed from the driver, your connection to the devices will be lost. In such instances, you must manually:

- 1. Create new station with recommended template or contact support.
- 2. Initiate the EasyOnboard service to re-establish connection with the devices.

# NOTE:

After onboarding, the current firmware version of the devices will be fetched in 24 hours. You can perform firmware upgrade at any time, but current firmware version may not be shown during firmware upgrade.

# 5.2. Run the INNCOM Direct Firmware Upgrade Wizard

- 1. In the Nav tree, expand station > **Config** > **Services** folder.
- 2. Double-click INNCOMFirmwareUpgradeService.



- 3. The INNCOM Direct OTA Firmware Upgrade Wizard opens.
- 4. Select the required device (Thermostat, Edge Router, or Relay) and click CONTINUE.



#### 5. Select the required firmware file from the drop-down menu and click **NEXT**.

Honeywell INNCOM D	irect OTA Firmware Upg	ade Wizard			
Select Firmware	Current Device List	Upgrade Summary			
Select thermostat Firmw	vare				
INNCOM_Direct_D1_528_v3	.0.1.6.bin	÷			
Firmware Version		0.0.1.6			
Bank Version Data					
APP_MAP		3.0.1.6			
CBL32		3.0.1.6			
IRAS		3.0.1.6			
BOOTLOADER		3.0.1.6			
BACK					NEXT

### NOTE:

B

Please be aware that when choosing the device type as thermostat, you should select the corresponding thermostat firmware file. Similarly, for edge routers and relays, choose their respective firmware files accordingly.

- 6. The current list of devices associated with the relevant rooms is displayed. It displays the room name, room ID, current firmware version, selected firmware version and the status of the thermostats.
  - Note that the **Upgrade** option is only enabled if the selected firmware version is higher or lower than the current firmware version.
  - You cannot upgrade the firmware for offline rooms.

	Current Device List	Upgrade Summary				6
5 THERMOSTATS						O Action
✓ ♦ N	AME 🗘	ID 💠	CURRENT FIRMWARE VERSION	SELECTED FIRMWARE VERSION	STATUS 📩 C	Upgrade Devices
	oom 1		N/A	3.0.1.6		Cancel Upgrade
R R		1001	3.0.1.7	3.0.1.6		
R R		1002	3.0.1.7	3.0.1.6		
R R		1004	3.0.1.7	3.0.1.6		
R R		5555	3.0.1.7	3.0.1.6		
						<b>k</b>

#### 7. Click the checkbox to select the required rooms and click **Action** > **Upgrade Devices**.

8. Firmware upgrade begins and firmware upgrade progress is displayed in the status column.

Ho	neyw	ell I	NNCOM Dire	ect OTA Firmware Upgra	de Wizard				
			re	Current Device List	Upgrade Summary				
	тні	5 RMOSTA	τs						
		٥	NAME 🔇	;	ID 💠	CURRENT FIRMWARE VERSION	SELECTED	; STATUS 🗇	
		۵	Room 1			N/A	3.0.1.6		
					1001	3.0.1.7	3.0.1.6	21% ———	
					1002	3.0.1.7	3.0.1.6		
					1004	3.0.1.7	3.0.1.6	21%	
					5555	3.0.1.7	3.0.1.6	21%	
								k	
	BA			System will logoff after 15 n "Station>Config>Services>L	ninutes of inactivity, your upgrade w JserService>user(E.g.admin)>Auto	III run in the background. To cl Logoff Settings>Auto Logoff	hange the auto log off settings go to Enabled>False"		NEXT

### NOTE:

B

When selecting more than five rooms for the upgrade process, the system will commence upgrading the first three rooms simultaneously. The remaining rooms will be queued and processed sequentially following the completion of each preceding room.

9. At this stage, the system allows you to cancel the upgrade process.

You can perform this action in two ways:

• **Single room**: Click on the cancel icon (in the progress bar) next to the appropriate room to cancel the upgrade on that particular room.

• Multiple rooms: Select the required room checkboxes and click Action > Cancel Upgrade.

10. Once the upgrade process is complete, the status of the devices will either fall into the following state:

- **Upgrade Successful**: This indicates that the firmware upgrade is successful.
- Failed: Indicates the firmware upgrade is failed and enables the Retry option.

Hon	eywel		NCOM Dire	ect OTA Firmware Upgra	de Wizard			
1		Select mware		Current Device List	Upgrade Summary			
	THER	5 mostat	s					, Action -
		٥	NAME (	>	ID 💠	CURRENT FIRMWARE VERSION	SELECTED FIRMWARE VERSION	STATUS 💠
		۵	Room 1			N/A	3.0.1.6	
					1001	3.0.1.6	3.0.1.6	Upgrade Successful ×
					1002	3.0.1.6	3.0.1.6	Upgrade Successful
					1004	3.0.1.7	3.0.1.6	• Failed 🗎 C Retry
					5555	3.0.1.7	3.0.1.6	• Failed 🗎 C Retry
								<b>N</b>
	BACH			System will logoff after 15 m "Station>Config>Services>L	inutes of inactivity, your upgrade w IserService>user(E.g.admin)>Auto	III run in the background. To ch Logoff Settings>Auto Logoff E	ange the auto log off settings go to nabled>False"	NEXT

11. To re-initiate the upgrade process on a failed device, click **Retry** on the appropriate room row.

12. Click **NEXT** when the device upgrade is complete.

13. The **Upgrade Summary** tab opens, displaying the summary of the upgrade process for the selected devices.

It allows you to:

- a Reinitiate the upgrade process by clicking **Retry Upgrade** on failed devices.
- b Download the summary log by clicking **DOWNLOAD REPORT** in .CSV format.

Honeywell INNCOM D	irect OTA Firmware Upgr	ade Wizard			
Select Firmware	Current Device List	Upgrade Summary			
Summary 44 Upgrade Successful 5 Upgrade Failed	Retry	Failed (5)			D DOWNLOAD REPORT
5 THERMOSTATS					
\$ NAME \$	ID 💠	CURRENT FIRMWARE VERSION	SELECTED FIRMWARE VERSION	≎ status ≎	LOG 🔷
Room 1001	101	3.0.1.6	3.0.1.6	<ul> <li>Upgrade Successful</li> </ul>	>> Job Completed - Firmware Upgrade for Room 101 - 202 40705030056 - [devld=101]
Room 1002	102	3.0.1.6	3.0.1.6	Upgrade Successful	>> Job Completed - Firmware Upgrade for Room 102 - 202 40705022416 - [devld=102]
Room 1004	103	3.0.1.7	3.0.1.6	• Failed 🗈 C Retry	Communication error
ВАСК	System will logoff after 15 mir "Station>Config>Services>Us	utes of inactivity, your upg erService>user(E.g admin	rade will run in the background. To cha )>Auto Logoff Settings>Auto Logoff E	ange the auto log off settings go to nabled>False"	FINISH

14. Click **FINISH** to complete the upgrade. Repeat the above steps to upgrade different device types (Edge Router or Relay).

# **6. TROUBLESHOOTING**

If the model sync is failing or Cloud registration then follow this section to verify if correct admin portal is selected.

- 1. In the Nav tree, expand the Station > Config > Services folder.
- 2. Right-click EasyOnboardService and select Views > AX Property Sheet. The EasyOnboardService property sheet opens.



- 3. Click the Admin Portal drop-down menu and select one of the following, depending on your region.
  - Production US for the US region
  - **Production EU** for the European Union region.

Property Sheet				
K EasyOnboardService (Easy Onboard Serv	rice)			
Status	(ok)			
Fault Cause				
Enabled	🔵 true 🔤			
Device Registration U R L	https://admin.buildingsmanager.honeywell			
System Type	<pre>honeywell-niagara-device https://gaprodsystemauthentication.senti- https://gaprodregui.sentience.honeywell.</pre>			
Device Authentication U R L				
Registration U R L				
Auto Model Sync Time Delay	00000h 10m # [3 minutes-1 day]			
Admin Portal	Production US			
Station Point Input	Production US			
Enable Virtual Equipment Modeling	Production EU			
Use Description For Property Name	102			

4. Click Save to apply changes.

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