

FactoryTalk Edge Manager User Manual

Version 1.00.00

User Manual

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Original Instructions

Important User Information

Read this document and the documents listed in the additional resources section about installation, configuration, and operation of this equipment before you install, configure, operate, or maintain this product. Users are required to familiarize themselves with installation and wiring instructions in addition to requirements of all applicable codes, laws, and standards.

Activities including installation, adjustments, putting into service, use, assembly, disassembly, and maintenance are required to be carried out by suitably trained personnel in accordance with applicable code of practice.

If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

In no event will Rockwell Automation, Inc. be responsible or liable for indirect or consequential damages resulting from the use or application of this equipment.

The examples and diagrams in this manual are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Rockwell Automation, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

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Throughout this manual, when necessary, we use notes to make you aware of safety considerations.



WARNING: Identifies information about practices or circumstances that can cause an explosion in a hazardous environment, which may lead to personal injury or death, property damage, or economic loss.

ATTENTION: Identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss. Attentions help you identify a hazard, avoid a hazard, and recognize the consequence.

IMPORTANT Identifies information that is critical for successful application and understanding of the product.

Labels may also be on or inside the equipment to provide specific precautions.



SHOCK HAZARD: Labels may be on or inside the equipment, for example, a drive or motor, to alert people that dangerous voltage may be present.



BURN HAZARD: Labels may be on or inside the equipment, for example, a drive or motor, to alert people that surfaces may reach dangerous temperatures.



ARC FLASH HAZARD: Labels may be on or inside the equipment, for example, a motor control center, to alert people to potential Arc Flash. Arc Flash will cause severe injury or death. Wear proper Personal Protective Equipment (PPE). Follow ALL Regulatory requirements for safe work practices and for Personal Protective Equipment (PPE).

Rockwell Automation recognizes that some of the terms that are currently used in our industry and in this publication are not in alignment with the movement toward inclusive language in technology. We are proactively collaborating with industry peers to find alternatives to such terms and making changes to our products and content. Please excuse the use of such terms in our content while we implement these changes.

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Read Me First

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Audience

This document is intended for the audience who will be utilizing the FactoryTalk Edge Manager platform for initializing or starting to work on the FactoryTalk Edge Manager and FactoryTalk Edge Gateway platform.

Related Documents

These documents contain additional information concerning related Rockwell Automation products.

Resource	Description
ASEM 6300B Box PCs and 6300T Box Thin Clients – Installation Instructions, Publication 6300B-in001	Provide details on how to install ASEM 6300B Box PC or 6300T Box Thin Client.
FactoryTalk Hub User Guide	Provide guidelines for using FT Hub Application.
FactoryTalk Edge Gateway User Guide	Provide guidelines for using FactoryTalk Edge Gateway.

Conventions

The following conventions are followed in this document:

- □ Text, labels and icon names that appear in the user interface appear in square brackets. For example: On the Left Navigation panel, select [Edge Nodes].
- □ The URLs and links appear in Blue text. For example: https://helpdesk.cloud.rockwellautomation.com
- □ Placeholder text for variable values appears in angle brackets. For example: The "User: <username> has been deleted." message displays.
- □ The toast messages that are displayed on the User Interface appear in italic text and in quotation. For example: The "*Import request for requested Edge Apps was successfully submitted*." message displays.



Chapter

Getting Started

In this chapter:

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Getting Started

FactoryTalk® Edge Manager is a software as a service (SaaS) solution that is hosted in the cloud and accessible through FactoryTalk HubTM, with detailed access control privilege management built in and single sign-on to other Rockwell Automation SaaS products. IT/OT admins can manage each edge deployment on pre-certified ASEMTM 6300B edge computers.

Login to FactoryTalk Edge Manager

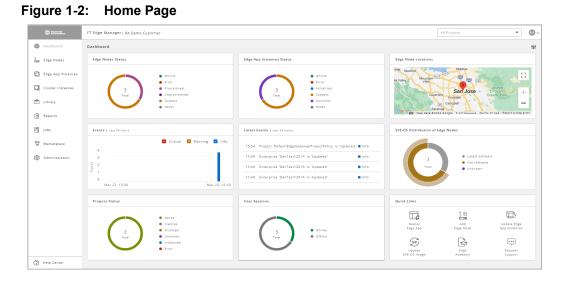
Perform the following steps to login to the FactoryTalk Edge Manager:

- 1. Login to the FactoryTalk Hub (https://home.cloud.rockwellautomation.com) using your Rockwell Credentials.
- **NOTE:** Ensure that you have access and logged into FactoryTalk Hub along with allocating entitlement(s) for FactoryTalk Edge Manager. This will be required for the onboarding process. Please see the following FactoryTalk Hub manual for more instructions: https://helpdesk.cloud.rockwellautomation.com/
- 2. Under the Operations Hub tab, click the FactoryTalk Edge Manager tile.

= FactoryTalk Hu	þ							æ r	A Demo Cu	ustomer 🗸	T ₀ 🕹	@~
Home												
Favorite Apps	All App	s Design		Operations Mai	ntenance							
	â	Eder Manager		Edge Gateway'	Û	(m)		PLEX				
FactoryTalk Data Mosaix Operations	0	FactoryTalk Edge Manager Operations	>	FactoryTalk EdgeGateway	0	FactoryTalk Remote Access Operations	>	Plex Operations	0			

Figure 1-1: Login

The FactoryTalk Edge Manager home page displays.



Dashboard

This is the default landing page for all users and displays a default set of customizable dashboard widgets such as Edge Node Status, Edge App Instance Status, Edge Node Location, Events, Recommended Actions and other system information.



@ Zeitherettun	FT Edge Manager RA Demo Customer		All Projects 💌 🙆 🗸
Dashboard	Dashboard		181
I Edge Nodes	Edge Nodes Status	Edge App Instances Status	Edge Node Locations
Edge App Instances Cluster Instances Library	Childe Childe Crear Trans Trans Trans Crear Crear	3 3 1 Test 3 1 Test 3 1 1 Test 3 1 Test 1 1 Test 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ele saver A vare, Centro San Cost Centro San Cost Cen
Reports			LOOC B Map dets \$2025 Google 5 am Linning Terms of Use Report a map error
拜 Jobs	Events Last 26 hours	Latest Events Last 24 hours	EVE-OS Distribution of Edge Nodes
Harketplace	Critical © Warning © info 4 2 1 0 Mar 22, 15:38 Mar 23, 15:38	15:54 Project Dataulidzyńarowy/ProjectPality' in Updated Infe 15:49 Encerprise 'DanTest1221K' in Updated' Infe 15:48 Encerprise 'DanTest1221K' in Updated' Infe 15:48 Encerprise 'DanTest1221K' in Updated' Infe	3 Transition Universe Universe
	Projects Status	User Sessions	Quick Links
	Active Instruct Active Instruct Activitie Activities Unknown Installard	3 Test Office	Denity And Update Edge Edge App Edge Note App Instances
② Help Center	• Error		Update Edge Request EVE-OS Image Academy Support

Top Navigation Panel

The Top Navigation Panel includes the following options:

- 1. **Projects Drop-down**: You can either select "All Projects" or any particular 'Project' using the drop-down list. When a particular project is selected, all the objects related to the chosen project get filtered.
- 2. **Profile**: To view and edit user profile and properties.

@ fatimat	FT Edge Manager RA Demo Customer		
Dashboard	Dashboard		
Ž _{EBD} Edge Nodes	Edge Nodes Status	Edge App Instances Status	Edge Node Locations
Edge App Instances Cluster Instances Library Reports	3 Text) 9 9 9 9 9 9 9 9 9 9 9 9 9	3 3 Total Disbasen Other	And sample and the same set of
Fi Jobs	Events Last 24 hours	Latest Events Last 24 hours	EVE-OS Distribution of Edge Nodes
Administration	Critical Warning Info Critical Warning Info Critical Marning Info Critical Marning Info Critical Marning Info Marning Info	15:54 Project: DefaultEdgeGatewayProjectPolicy' in 'Updated' 15:49 Enterprise 'DanTest301K' in 'Updated' 15:48 Enterprise 'DanTest301K' in 'Updated' 15:48 Enterprise 'DanTest301K' in 'Updated' 15:48 Enterprise 'DanTest301K' in 'Updated'	3 Test Utangen
	Projects Status	User Sessions	Quick Links
	2 2 taut	3 Tur - Source - Statione	Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Expering Experi

Figure 1-4: Top Navigation Panel

Left Navigation Panel

You can expand or collapse the Left Navigation Panel using the $[\circ)$ icon.

The Left Navigation Panel includes the following options:

- 1. **Dashboard**: Displays a default set of customizable dashboard widgets such as status of edge nodes, location of edge devices, Events, important alerts, recommended actions and other system information.
- 2. Edge Nodes: Displays the summary and list of edge nodes (devices) available in your enterprise. You can browse them by projects and status, etc. When you select an Edge Node from the list, a temporary tab (icon) gets created on the left navigation panel and displays the detailed view of the selected Edge Node.
- **3.** Edge App Instances: DisplaEdge Operating System (Edge OS) ys the list of all the "Edge App Instances" in your enterprise. It also can be filtered based on your needs.
- **4.** Cluster Instances: Displays theEdge Operating System (Edge OS) list of all the Cluster Instances in your enterprise.
- Library: Displays your enterprise's other asset's list view. Assets like Networks, Network instances, Data Stores, Edge Operating System (Edge OS) Images, App Images, Volume Instances, etc.
- 6. **Reports**: Displays an interactive way to filter and view different statistics of your assets. You can find Events, Utilization reports, and Network data flow here.
- 7. Jobs: Displays all the Jobs that are generated while performing any function, like Installation or Updation of Edge Operating System (Edge OS) and many more such events. The bulk tasks like Bulk App deployment, or Bulk Edge Operating System (Edge OS) update, create a single Job that consists of

multiple 'Tasks.' The jobs are always sorted based on the 'latest on the top' principle.

- 8. Marketplace: Displays all supported Edge Apps and Models in your enterprise. Also includes options to import Global applications into the private marketplace along with ability to create apps in the private marketplace.
- **9.** Administration: To access the administrative functions like management of Enterprise parameters, Projects, Users, Roles, and Permissions, etc. The administration section displays the assets you have access to based on your roles and permissions.
- 10. Help Center: To access FT Edge Manager Help & Support.

FT Edge Manager | RA Demo Cus - 00 1 Dashboard **†**3† 2 î. Edge ۵ 3 22 4 ÷ Ê R 6 7 ing 🖸 • Info 15:48 Enterprise 'DanTest1201A' is 'Update-• Info Add Edge Node æ Deploy Edge App Update Edge App Instances Online
 Offline Ē a di *** Edge Help Center 10

Figure 1-5: Left Navigation Panel

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Chapter

2

Edge Node Management

In this chapter:

- **Onboard a Device** 12
- □ Manage Edge Node 15

Onboard a Device

Perform the following steps to Onboard a Device:

- 1. Navigate to [Add Edge Node] window by any one of the following method:
 - On the Dashboard, expand the Edge Note Status tile and then click the [+] icon.
 - On the Quick links tile, click [Add Edge Node].
 - On the Left Navigation panel, click [Edge Nodes] and then click the [+] icon.



() fizicazit	FT Edge Manager RA Demo Customer		All Projects 👻 🚳 🗸
Dashboard	Dashboard		181
🚑 Edge Nodes 🗲	Edge Nodes Status	Edge App Instances Status	Edge Node Locations
Edge App Instances	• Online • Error	Online Error	is de Stanfold Migrian
Cluster Instances	3 Provisioned Total Unprovisioned	3 Initialized Total Suspect	0 Duperline San Jose Duffern +
E Library	Suspect Other	Unknown Other	Competition and the second
a Reports			Googe Nep data #2022 Googe Start Terms of Use Report a map error
Jobs .	Events Last 24 hours	Latest Events Last 24 hours	EVE-OS Distribution of Edge Nodes
🗑 Marketplace	🖉 Critical 💟 Warning 💟 Info	15:54 Project 'DefaultEdgeGatewayProjectPolicy' is 'Updated 🌒 Info	
3 Administration	3	15:49 Enterprise 'DanTest1201A' is 'Updated' Info	3 Latest Software Old software
	1 2 3 1	15:48 Enterprise 'DanTest1201A' is 'Updated' Info	Tetal Unknown
	0 Mar 22, 15:30 Mar 23, 15:30	15:48 Enterprise 'DanTest1201A' is 'Updated' • Info	
	Projects Status	User Sessions	Quick Links
	Active	\frown	
	e Inactive 2 • Archived	3 Online	Deploy Add Update Edge Edge App Edge Node App Instances
	Toral Unknown Initialized	Total Offline	s 6 -
	• Error	\smile	Update Edge Request EVE-DS Image Academy Support
Help Center			

- 2. Provide the following details in the Identity section:
 - Name: Provide a unique name. This cannot be changed.
 - Title: Provide a title. This can be changed.
 - **Project**: Select the Project from drop-down list.
 - **Description**: A detailed explanation about the Edge Node.

igure 2-2:	Identity		
Rockwell Recover	FT Edge Manager RA Demo Customer		
② Dashboard	< Back to Edge Nodes / Add Edge Node		
Edge Nodes	Identity		
Edge App Instances	Name *	Title *	Project * Select/Search Project
Cluster Instances	Description		
🖻 Library	bestigtion		
문 Reports Jobs	Tags	Local Operator Console	
🕁 Marketplace			
Administration	Details		
	Asset ID Asset ID	Asset Location Asset Location	
	Identity Type* Onboarding Key x	Onboarding Key*	Serial Number*
Help Center	Brand * Allen-Bradley ×	Model * ASEM-6300B-13-EaaS-BoxPC-TPM ×	

- **3.** Provide the following details in the Details section:
 - Asset ID: Unique identifier in your inventory.
 - Asset Location: Provide location of the device.
 - Identity Type: Select [Onboarding Key] from the drop-down list.
 - **Onboarding Key**: Provide the Onboarding Key printed on the box and on the device label as "ONBOARDING KEY".
 - Serial Number: Provide the Onboarding Serial Numberprinted on the box and on the device label as "ONBOARDING SN".
 - Brand: Select [Allen-Bradley] from the drop-down list.
 - Model: Select the ASEM Model that you have purchased.

Figure 2-3: Details

C Roctowell	FT Edge Manager RA Demo Customer		(AA
② Dashboard	Tags	Local Operator Console		
Edge Nodes	Enter Key Enter Valt +			
Edge App Instances				
Cluster Instances	Details			
🖹 Library	Asset ID	Asset Location		
Reports	Asset ID Identity Type*	Asset Location Onboarding Key*	Serial Number*	
Jobs	Onboarding Key x	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Serial Number	
🛱 Marketplace	Brand * Select/Search Brand			
(3) Administration				
	Additional Configurations			
	Activate Edge Node	Activate Default App Network		
O Help Center			Cancel	

4. Provide the Port Mappings details or use defaults.

- Interface Usage: Enter [Management].
- Network: Select [Default-ipv4-dhcp] from drop-down list.
- **5.** Ensure that the 'Activate Edge Node' and the 'Activate Default App Network' checkboxes are selected.

IMPORTANT: If the 'Activate Edge Node' checkbox is not selected and you click [Add], the admin state of the onboarded Edge Node will be unregistered until you activate the Edge Node from the Edge Node detailed view screen.

6. Click [Add] to add the Edge Node.

Figure 2-4: Add Edge Node

C Rockwell Automotion	FT Edge Manager RA Demo Customer		AA ~
Dashboard	Tags	Local Operator Console	-
Edge Nodes	Enter Key Enter Valt		
Edge App Instances			
Cluster Instances	Details		
🖹 Library	Asset ID Asset ID	Asset Location	
Reports	Identity Type*	Onboarding Key * Serial Number *	
5章 Jobs	Onboarding Key ×	20000000-2000-Mixe-Noxe-2000000000 (Serial Number	
🛱 Marketplace	Select/Search Brand		
Administration			
	Additional Configurations		
	Activate Edge Node	Activate Default App Network	
Help Center			Cancel

The newly added Edge Node appears in the list view.

Figure 2-5: Added Edge Node

@ Asternation	FT Edge Manager RA Demo Customer				All Project	s •	0 ~
🕐 Deshboard	Edge Nodes					+ Q	
Edge Nodes	Edge Nodes Summary (3/3)					Θ	
Edge App Instances	Name †	Serial Number	EVE-OS Image Version	Location	Edge App Instances Load	Project	
Cluster Instances	Node1201-A	0	8.12.0-kvm-amd64	95103,San Jose,US	High	DefaultEdgeGatewayProject	
E Library	Node1201-8	0	3 8.11.0-kvm-amd64	95103,San Jose,US	Low	xdProject	
Reports	Node1201-C	0	8.12.0-kvm-amd64	95103,San Jose,US	Medium	xdProject	
译 jobs 安 Marketplace	1						
8 Administration							

The colored dot indicates the Run State to the left of the Edge Node name. The colored dots with the state is as represented in the table:

Legends	Description
Online	The Edge Application Instance is working fine.
e Error	The Edge Application Instance is stopped.
• Initialized	EVE has received the configuration details of the Edge Application Instance and the process is in progress.
Suspect	If the FT Edge does not hear from the Edge Application Instance or EVE for 3 minutes, it puts the instance in this state.
Unknown	When FT Edge creates metadata of the instance or when EVE reports an invalid state.
Other	Could be any reason other than the ones described in this table.

Manage Edge Node

Activate Edge Node

Activating the edge node(s) shows Admin Status as 'Registered' and eventually turns the Run state to 'Online'.

Perform the following steps to Activate the Edge Node(s):

- **1.** Click [Edge Nodes] on the left navigation panel, the Edge Nodes list view displays.
- 2. Select the checkboxes of the Edge Node(s) that you want to activate.
- **3.** Click the [...] icon on the top right corner and click [Activate].

Decknett Automation	FT Edge Manager RA Demo Customer				All Proje	tts	•
Dashboard	Edge Nodes						+ Q
Edge Nodes	Edge Nodes Summary (3/3)						livate
Edge App Instances	■ Name ↑	Serial Number	EVE-OS Image Version	Location	Edge App Instances Load		activate boot
Cluster Instances	2 • Node1201-A	0	8.12.0-kvm-amd64	95103,San Jose,US	High	Up	date EVE-OS age
Library	• Node1201-B	0	8.11.0-kvm-amd64	95103,San Jose,US	Low	xdProject	epare Power C
Reports	Node1201-C	0	8.12.0-kvm-amd64	95103,San Jose,US	Medium	xdProject	-board lete
Jobs							
Administration							

Figure 2-6: Activate Edge Node

A success message displays as shown below:

Figure 2-7: Activated Edge Node

@ Extensil	FT Edge Manager RA Demo Customer	ivate request to Edge Node 'Node1201-A'X was successfully submitted.	All Projects	• @~
Dashboard	Edge Nodes	was successfully submitted.		+ 0
🔒 Edge Nodes	Edge Nodes Summary (3/3)			Θ
Edge App Instances	Serial Number	EVE-OS Image Version Location	Edge App Instances Load	Project
Cluster Instances	Node1201-A 0	8.12.0-kvm-amdő4 95103,San Jose,US	High	DefaultEdgeGatewayProject
🖹 Library	● Node1201-B 0	3 8.11.0-kvm-amd64 95103,San Jose,US	Low	xdProject
Reports	Node1201-C 0	8.12.0-kvm-amd64 95103,San Jose,US	Medium	xdProject
Fi Jobs				
🗑 Marketplace				
8 Administration				

Deactivate Edge Node

Perform the following steps to Deactivate the Edge Node(s):

- **1.** Click [Edge Nodes] on the left navigation panel, the Edge Nodes list view displays.
- 2. Select the checkboxes of the Edge Node(s) that you want to Deactivate.
- **3.** Click the [...] icon on the top right corner and click [Deactivate].

@ Azzenzti	FT Edge Manager RA Demo	Customer			All Projects		•
) Dashboard	Edge Nodes						+ Q
Edge Nodes	Edge Nodes Summary (3/3)						Activate
-						4	Deactivate
] Edge App Instances	Name †	Serial Number	EVE-OS Image Version	Location	Edge App Instances Load	Project	Reboot
Cluster Instances	2 🔹 🔹 Node1201-A	0	8.12.0-kvm-amd64	95103,San Jose,US	High	DefaultEdgeGa	Update EVE-OS Image
Library	• Node1201-B	0	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	95103,San Jose,US	Low	xdProject	Prepare Power Of
Reports	Node1201-C	0	8.12.0-kvm-amd64	95103,San Jose,US	Medium	xdProject	Off-board
							Delete
Jobs							
Marketplace							
Administration							

Figure 2-8: Deactivate Edge Node

4. The 'Deactivate Edge Node(s)' dialog displays, click [Deactivate].



C Restand	FT Edge Manager RA Demo Customer	All Projects
Dashboard	Edge Nodes	+ Q
Edge Nodes	Edge Nodes Summary (3/3)	0
Edge App Instances	Name Serial Number EVE-05 Image Version Location	Edge App Instances Load Project
Cluster Instances	• Node1201-A 0 8.12.0-kvm-amd84 95103;San jose,US	High DefaultEdgeGatewayProject
🖻 Library	Node1201-8 0 3.11.0-kvm-amd64 95103,San jose,US	Low xdProject
Reports	O O O Deactivate Edge Node(s) X	Medium xdProject
 Jobs Markerplace Administration 	Court and advantanty Court advantanty	
(2) Help Center	Shawing 1 to 3 of 3 entries 1 Selected Claur All	Records per page 20 • K + 1 + X

A success message displays as shown below:

Figure 2-10: Confirm Deactivate

Distingion	FT Edge Manager RA Demo Customer		Deactivate request to Edge No 'Node1201-A' was successfully sub-	se ×	All Projet	•
) Deshboard	Edge Nodes		Node1201-A' was successfully sub-	nitted.		+ 0
Edge Nodes	Edge Nodes Summary (5/3)		1			
Edge App Instances						
Cluster Instances	Name +	Serial Number	EVE-OS Image Version	Location	Edge App Instances Load	Project
Library	Node1201-A Node1201-B	0	8.12.0-kvm-amd64	95103.San Jose.US 95103.San Jose.US	High	DefaultEdgeGatewayProject
Reports	• Node1201-C	0	8.12.0-kvm-amd64	95103,San Jose,US	Medium	xdProject
Jobs						
Marketplace						
Administration						
	Showing 1 to 3 of 3 entries 1 Selected				Records per pa	ge 20 🔻 K 4 1 1 2

NOTE: The Deactivated the edge node(s) shows Admin Status as 'Inactive' and Run state as 'Unprovisioned'.

Delete Edge Node

The 'Delete' operation removes the edge node(s).

Perform the following steps to Delete the Edge Node(s):

- **1.** Click [Edge Nodes] on the left navigation panel, the Edge Nodes list view displays.
- 2. Select the checkboxes of the Edge Node(s) that you want to Delete.
- **3.** Click the [...] icon on the top right corner and click [Delete].

Figure 2-11: Delete Edge Node

@ Asstruction	FT Edge Manager RA Demo Customer	All Projects
Dashboard	Edge Nodes	+ 0
Edge Nodes	Edge Nodes Summary (3/3)	Activate
Edge App Instances		Deactivate
	Name Serial Number EVE-OS Image Version Location	Edge App Instances Load Project
Cluster Instances	2 🛛 • Node1201-A 0 8.12.0-kvm-amd64 95108,5an Jose,US	High DefaultEdgeGa
E Library	● Node1201-B 0 ≫ 8.11.0-kvm-amd64 95108,San Jose,US	Low xdProject Prepare Power Off
B Reports	● Node1201-C 0 8.12.0-kvm-amd64 95103,San Jose,US	Medium xdProject Off-board
		4 Delete
野 Jobs		
₩ Marketplace		
8 Administration		
	Showing 1 to 3 of 3 entries 1 Selected Clear All	Records per page 20 💌 K 4 1 🕨 X
(2) Help Center		

4. The 'Delete Edge Node(s)' dialog displays, click [Delete].

Figure 2-12: Delete Edge Node

	FT Edge Manager DanTest1201A		-	4
Dashboard	Edge Nodes		+ 0	
📷 Edge Nodez	Edge Nodes Summary (3/3)			0
] Edge App Instances	Name Serial Number VVI-05 Image Version Location Edge App Instan	and a laboration		
Cluster Instances	Name * Seriel Number LYL-03 Image Version Location bdge App Instan Node1201-A 0 8.12.0-kvm-amd64 05103,5an Jose,US High	DefaultEdgeGatewayl	roject	
Library	Node1201-8 0 38.11.0-kvm-amd64 95103.5an jose,US Low	xdProject		
Reports	Node1201-C Delete Edge Node(s) Medium Medium	xdProject		
Jobs Markerplace Administration	• They are about to Denter 1 Eggs Noticity: The ansatz prevented by retraining the about the figure Noticity of the about the about the the about the a			

A success message displays and the selected edge nodes are deleted.

Offboard Edge Node

Offboard option enables you to migrate the edge nodes across the enterprise retaining the volume instance(s) intact.

Perform the following steps to Offboard the Edge Node(s):

- **1.** Click [Edge Nodes] on the left navigation panel, the Edge Nodes list view displays.
- 2. Select the checkboxes of the Edge Node(s) that you want to Offboard.
- **3.** Click the [...] icon on the top right corner and click [Offboard].

Figure 2-13: Offboard Edge Node

@ Azztazzitus 🛛 🕞	T Edge Manager RA Demo Customer				All Proj	rcta	
Dashboard E	idge Nodes						+ Q
🚡 Edge Nodes 🚹	Edge Nodes Summary (3/3)						Activate
-							Deactivate
Edge App Instances	Name +	Serial Number	EVE-OS Image Version	Location	Edge App Instances Load	Project	Reboot
Cluster Instances	Node1201-A	0	8.12.0-kvm-amd64	95103,San Jose,US	High	DefaultEdgeGa	Update EVE-OS Image
Library 2	 Node1201-B 	0	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	95103,San Jose,US	Low	xdProject	Prepare Power Off
Reports	Node1201-C	0	8.12.0-kvm-amd64	95103,San Jose,US	Medium	xdPr.4	Off-board
Joba							Delete
) Help Center	Showing 1 to 3 of 3 entries 1 Selecter	d Clear All			Records per p	age 20 ¥	$K \in 1 \to \mathbb{N}$

4. The 'Offboard Edge Nodes' dialog displays, click [Offboard].

Figure 2-14: Confirm Offboard

C Sandard		FT Edge Manager DanTest1201A						•
Marketingen Marketingen Warketingen Marketingen) Dashboard	Edge Nodes						+ Q
Normalization Normalization Normalization Normalization Normalization Normalization Image: Second Seco	g Edge Nodes	Edge Nodes Summary (3/3)						0
Context Instances Context Context Instances Context Context Instances Context Instanc	Edge App Instances	D. Num t	Seriel Number	EVE-OS Image Version	Lesation	Edge Ann Instances Las	ed Project	
Imparte	Cluster Instances						DefaultEdgeGatewayProje	
Regents Index And and an and and and and and and and an	Library	Node1201-8	0	3 8.11.0-kvm-amd64	95103,San Jose,US	Low	xdProject	
Joha	Reports	Node1201-C			05102 5-0 1-0 115	Medium	xdProject	
			and associated Note: After the Nodes will be	d state from the management platform a off-board operation is performed, th	only way to reclaim the Edge Edge Node workflow.			
Showing 1 to 3 of 3 entries 1 Selected Clear All Records per page 28 - +		Showing 1 to 3 of 3 entries 1 Selected Clear All				Records	per page 20 👻 K 🐇 1	

A success message displays and the selected edge nodes are offboarded.

Prepare Poweroff

This feature is useful when you need to gracefully shut down the set of applications running on Edge Operating System (Edge OS).

Perform the following steps to Prepare Poweroff of Edge Node(s):

- **1.** Click [Edge Nodes] on the left navigation panel, the Edge Nodes list view displays.
- 2. Select the checkboxes of the Edge Node(s) that you want to Power Off.
- 3. Click the [...] icon on the top right corner and click [Prepare Poweroff].

Figure 2-15: Poweroff Edge Node

@ Internation	FT Edge Mana	ager RA Demo Customer				All Projects		
Dashboard	Edge Nodes							+ 0
Edge Nodes	Edge Nodes	Summary (3/3)						Activate
-								Deactivate
Edge App Instances		lame 🕆	Serial Number	EVE-OS Image Version	Location	Edge App Instances Load	Project	Reboot
🖁 Cluster Instances 🛛 🙎		Node1201-A	0	8.12.0-kvm-amd64	95103,San Jose,US	High	DefaultEdgeGa	Update EVE-OS Image
Library		Node1201-B	0	3 8.11.0-kvm-amd64	95103,San Joxe,US	Low	xdPro	Prepare Power Of
Reports		Node1201-C	0	8.12.0-kvm-amd64	95103,San Jose,US	Medium	xdProject	Off-board
Jobs								Delete
Aarketplace								
Marketplace								
Administration								
	Showing	1 to 3 of 3 entries 1 Selected Clear A	п			Records per page	20 •	K 4 1 - N

4. The 'Prepare Poweroff for Edge Node(s)' dialog displays, click [Prepare Poweroff].

Figure 2-16: Confirm Offboard

C Extendio	FT Edge Manager DanTest1201A					ojects 👻	
Dashboard	Edge Nodes					+	a
Edge Nodes	Edge Nodes Summary (5/3)						0
Edge App Instances	Name 1	Serial Number	EVE-OS Image Version	Location	Edge App Instances Load	Project	
Cluster Instances	 Node1201-A 	0	8.12.0-kvm-amd64	95103,San Jose,US	High	DefaultEdgeGatewayProject	
Library	Node1201-8	0	≫ 8.11.0-kvm-amd64	95103,San Jose,US	Low	xdProject	
Reports	Node1201-C		e Rower Off for Edge Node(s)	06103.6 1 116	Medium	xdProject	
理 Jobs		U Loss of	e Power Off for Edge Node(s)	×			
D Marketplace		cause loss o Note: Edge	will cause the applications on the Edge 1 of access for these Edge App Instances. App Instances that are halted due to this ate after Edge Node is powered back on.				
Administration		Node1201-A		+			
				ancel Prepare Power Off			
	Showing 1 to 3 of 3 entries 1 Selected Clear	All			Records per	page 20 • K < 1 > H	
Help Center							

A success message displays and the selected edge nodes are powered off.

Reboot

Perform the following steps to Reboot the Edge Node(s):

- **1.** Click [Edge Nodes] on the left navigation panel, the Edge Nodes list view displays.
- **2.** Select the checkboxes of the Edge Node(s) that you want to Reboot.
- **3.** Click the [---] icon on the top right corner and click [Reboot].

Figure 2-17: Reboot Edge Node

	FT Edge Manager RA Demo Customer				All Proj	ects	
Dashboard	Edge Nodes						+ a
Edge Nodes 1	Edge Nodes Summary (3/3)						Activate
Edge App Instances						•	Deactivate
-	Name +	Serial Number	EVE-OS Image Version	Location	Edge App Instances Load	Project	Reboot Update EVE-OS
Cluster Instances	2 • Node1201-A	0	8.12.0-kvm-amd64	95103,San Jose,US	High	DefaultEdgeGa	Image
Library	Node1201-8	0	3 8.11.0-kvm-amd64	95103,San Jose,US	Low	xdProject	Prepare Power Off
Reports	Node1201-C	0	8.12.0-kvm-amd64	95103,San Jose,US	Medium	xdProject	Off-board
玛 Jobs							Delete
Marketplace							
Administration							
) Help Center	Showing 1 to 3 of 3 entries 1 Select	ied Clear All			Records per j	page 20 V	K (1) X

4. The 'Reboot Edge Node(s)' dialog displays, click [Reboot].

Figure 2-18: Confirm Reboot

	FT Edge Manager RA Demo Customer					cts 👻
Dashboard	Edge Nodes					+ Q
📆 Edge Nodes	Edge Nodes Summary (3/3)					G
Edge App Instances	Name †	Serial Number	EVE-OS Image Version	Location	Edge App Instances Load	Project
Cluster Instances	 Node1201-A 	•	8.12.0-kvm-amd64	95103,San Jose,US	High	DefaultEdgeGatewayProject
Library	Node1201-B	0	3.11.0-kvm-amd64	95103,San Jose,US	Low	xdProject
Reports	Node1201-C	0	dge Node(s)	05102 500 1070 115	Medium	xdProject
Jobs Marketplace Administration		duration.	will cause Edge Node to restart, this w he rebooting of asset, edge node as we	I as applications on edge		
				Cancel		

A success message displays as shown below:

	FT Edge Manager RA Demo Customer	Reboot request to Edge Node 'Node1201-A' x was successfully submitted. Please wait	All Projects
) Dashboard	Edge Nodes	while the Edge Node reboots.	+ Q
Edge Nodes	Edge Nodes Summary (3/3)		6
Edge App Instances	Serial Number	EVE-OS Image Version Location	Edge App Instances Load Project
Cluster Instances	Node1201-A 0	8.12.0-kvm-amd64 95103,San Jose,US	High DefaultEdgeGatewayProject
Library	• Node1201-8 0	3 8.11.0-kvm-amd64 95103,San Jose,US	Low xdProject
Reports	Node1201-C 0	8.12.0-kvm-amd64 95103,San Jose,US	Medium xdProject
Jobs Marketplace			
Administration			
	Showing 1 to 3 of 3 entries 1 Selected Clear All		Records per page 20 👻 K 🗐 1 🕨 X

Figure 2-19: Confirm Reboot

Update Edge Operating System (Edge OS) Image

NOTE: The [**•**] icon against the edge node indicates that a particular edge node runs the latest version in the edge node list view and you need not to update the latest version of the Edge Operating System (Edge OS).

Perform the following steps to Update Edge Operating System (Edge OS) Image on Edge Node(s):

- **1.** Click [Edge Nodes] on the left navigation panel, the Edge Nodes list view displays.
- 2. Select the checkboxes of the Edge Node(s) that you want to update.
- 3. Click the [---] icon on the top right corner and click [Update EVE-OS Image].

Figure 2-20: Update EVE Image

@ Assistation	FT Edge Manager RA Demo Customer		- 3
Dashboard	Edge Nodes		+ Q
🔓 Edge Nodes 🚺	Edge Nodes Summary (3/3)		Activate
Edge App Instances			Reboot
Cluster Instances	Name 1 Serial Number EVE-OS Image Version Location Edge App Instances Load	Project	Update EVE-OS
	2 • Node1201-A 0 8.12.0-kvm-amd64 95103,San Jose,US High	Defau 4 geG	Image
E Library	Node1201-B 0 > 8.11.0-kvm-amd64 95103,San Jose,US Low	xdProject	Prepare Power Off Off-board
Reports	Nodel201-C 0 8.12.0-kvm-amd64 93103,5an Jose,US Medium	xdProject	Delete
Identerplace Image: Administration	Showing 1 to 3 of January Safetone Case All	20 -	K (1) X
Help Center	a sensiti e a constructiva e constructiva e constructiva e constructiva de la de		

4. The 'Update EVE Image' dialog displays, click [Update & Activate].

3			
O Instantius	FT Edge Manager DanTest1201A		All Projects 🔹 🖉 🗸
② Dashboard	Edge Nodes		+ Q …
Edge Nodes	Edge Nodes Summary (3/3)		\odot
Edge App Instances	Name †	Serial Number EVE-05 Image Version Location Edge App Ir	nstances Load Project
22 Cluster Instances	 Node1201-A 	Update EVEN.OS Image(s) Loss of Availability	DefaultEdgeGatewayProject
E Library	Node1201-B		xdProject
Reports	Node1201-C	Updating the following 1 Edge Nede(s) in DefaultEdgeGatewayProjectPolicy will cause loss of availability. Target EVE-OS Version: 8.11.0-kvm-amd64	xdProject
Jobs		Job Name * Update_EVE_1_ec97a9cf/5020-4a6c-8229-86ae2f30:	
Warketplace		Name Serial Number EVE-OS Image Version Location Action	
Administration		Node1201:A Ba8d94ef-6d3f-4d11 8.12.0-kvm-amd64 Not Available Update	
		Showing 1 to 1 of 1 entries Records per page 20 🔹 K 4 🕌 💥	
		Cancel Update & Activate	
	Showing 1 to 3 of 3 entries 1 Sele	cted Clear All	Records per page 20 ▼ K <= 1
Help Center			

Figure 2-21: Confirm Update

A success message displays as shown below:

Figure 2-22: EVE Image Updated

() Estendi	FT Edge Manager RA Demo Customer	Update EVE-OS request for requested Edge 🗙 Nodes was successfully submitted.	All Projects
Dashboard	Edge Nodes	Nodes was successfully submitted.	+ Q
🖽 Edge Nodes	Edge Nodes Summary (3/3)		G
Edge App Instances	■ Name ↑ Serial No.	mber EVE-OS Image Version Location	Edge App Instances Load Project
Cluster Instances	Node1201-A 0	8.12.0-kvm-amd64 95103,San Jose,US	High DefaultEdgeGatewayProject
Library	• Node1201-B 0	8.11.0-kvm-amd64 95103,San Jose,US	Low xdProject
Reports	• Node1201-C 0	8.12.0-kvm-amd64 95103,San Jose,US	Medium xdProject
Jobs			
Marketplace			
Administration			
	Showing 1 to 3 of 3 entries 1 Selected Clear All		Records per page 20 \bullet K \leftarrow 1 \rightarrow N
Help Center			

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Chapter

3

Marketplace

In this chapter:

- □ Import Edge Application 26
- **Add Data Store** 28
- □ Add Edge App Image 31
- **Create Your Application** 32
- **Deploy Edge App** 53

Import Edge Application

Perform the following steps to Import an Edge Application:

- 1. On the left navigation panel, select [Marketplace].
- **2.** Go the Edge Apps tab, click on the expand $[\odot]$ icon to view the Edge Apps available for enterprise use.

Figure 3-1: View Apps

C Rockwallon	FT Edge Manager RA Demo Customer			All Projects 👻
 Dashboard 	Edge Apps Models			
🔓 Edge Nodes	E.2 Apps available for enterprise use			3 →>○
Edge App Instances	Edge Apps added in enterprise			+
Cluster Instances	Category Clear All Analytics & Data Management (3)	Azure-IoTEdge-1.0.10-4	CustomerPreviewImageGlobal	factorytalk_edge_gateway
Reports	 Cloud & Application Enablement (0) DevOps (0) 	Cloud intelligence deployed locally on IoT edge devices. Azure IoT Edge 1.0.10 : Default Credentials		1.0.0-prerelease.8
] Jobs	 Edge Application Framework (1) Industrial Connectivity (0) 	0 Installs	0 installs	0 Installs
🐨 Marketplace 🚺	 Networking (0) Operating System (0) Security (0) 	influxdb_preview	k3s_runtime_v2	sandbox_fteg
	 Security (0) Other (2) 			FT Edge gateway configured to connect to the development sandbox
		0 installs	0 installs	0 Installs

- 3. You can filter out the type of edge applications using the category filter and use the [>] icon to see the next applications.
- 4. Each application tile has two types of icons on the right top corner:
 - A tick [✓] icon indicates that the particular application is already imported to your enterprise.
 - An arrow [] icon indicates that this application is not yet imported to your enterprise.
- **5.** Click on the App tile you want to import. A detailed view of that edge application displays.

Figure 3-2: Select App

@ Restandion	FT Edge Manager RA Demo Customer						All Projects	• @
Dashboard	Edge Apps Models							
Edge Nodes	Edge Apps available for enterprise use							0
Edge App Instances	Category Clear All Analytics & Data Management (3) Cloud & Application Enablement (0)	Azure-IoTEdge-1.0.10-4 License: Unknown	U	erPreviewImageGlobal cense: Unknown	factorytalk_edge_gatev License: Unknown		influxdb_preview License: Unknown	•
Reports	DevOps (0) Edge Application Framework (1)	Import	Imported	~ •	Imported	~	Imported	✓
阳 Jobs	Edge Apps added in enterprise							+
Marketplace	Category Clear All Analytics & Data Management (3) Cloud & Application Enablement (0) Devo(05) (0)	CustomerPreviewImageGlobal		factorytalk, 1.0.0-prerelease.3	_edge_gateway		influxdb_preview	
	Edge Application Framework (1)	0 Installs	ŵ	1 Installs	٩	0 Insta	ills	۵
	 Industrial Connectivity (0) Networking (0) Operating System (0) Security (0) Other (0) 	sandbox, fteg FT Edge gateway configured to connect to the development sandbox						
(2) Help Center		ueverupment sanuuux	~					

6. Click [Import Edge App].

Figure 3-3: Import App

@ Internation	FT Edge Manager R	A Demo Customer							All P	rojects	- (
② Dashboard	< Back to Edge Apps /	Azure-IoTEdge-1.	0.10-4								
Edge Nodes										Impor	t Edge App
Edge App Instances	Azure-IoTEdge Type: Virtual Mach	-1.0.10-4									
Cluster Instances	Category: Other Cloud intelligence	deployed locally o	n IoT edge devi	ces. Azure IoT Edge	1.0.10 : Default Credentials	- pocuser/pocuser.					
E Library											
Reports	identity Manifest Versi on 1.2.0			VNC Connection Yes			VM Mode HVM			Deployment Type Azure Runtime	
컉 Jobs	1.2.0										
T Marketplace		CPUs		Memory 3.00 GB	Storage 10.00 GB						
8 Administration	Custom	>		5.00 GB	10.00 GB						
	Drives										
	Drive Type	Target	Tag	Image	2	Max Size		Encrypted	Purge	Mount Path	
	HDD	Disk		() Ub	untu-18.04-bionic-OS	6.00 GB		Yes	Yes		
	HDD	Disk		() Ub	untu-18.04-bionic-moby	1.00 GB		Yes	Yes		
	HDD	Disk		() Ub	untu-18.04-bionic-iotedge-1	010 1.00 GB		Yes	Yes		
	HDD	Disk		() Ub	untu-18.04-bionic-data	2.00 GB		Yes	Yes		
Help Center											

The "Import request for requested Edge Apps was successfully submitted." message displays and app is imported to private marketplace.

Figure 3-4: Import App

C Antomation	FT Edge Manager RA Demo Customer	Import request for request was successfully sub	ed Edge Apps ×		All Projects	•	~
Dashboard	Edge Apps Models	was successfully sub	mittea.				
Im Edge Nodes	Edge Apps available for enterprise use					0	9
Edge App Instances	Edge Apps added in enterprise					-	+
Cluster Instances	Category						
E Library	Clear All Analytics & Data Management (3)	Azure-IoTEdge-1.0.10-4	CustomerPreviewImageGlobal		factorytalk_edge_gateway		
Reports	 Cloud & Application Enablement (0) DevOps (0) 	Cloud intelligence deployed locally on IoT edge devices. Azure IoT Edge 1.0.10 Default Credentials			1.0.0-prerelease.3		
Jobs	Edge Application Framework (1)	0 Installs	0 Installs	۵	1 Installs	۵	
👾 Marketplace	 Industrial Connectivity (0) Networking (0) 						
8 Administration	 Operating System (0) Security (0) 	influxdb_preview	sandbox_fteg				
	🖾 Other (1)		FT Edge gateway configured to connect to the development sandbox				
		0 Installs	2 Installs	۵			

Add Data Store

Data Store captures the location where you want the device to get the binary application images. It can be hosted anywhere (e.g., AWS, Azure, or native servers running HTTPS/SFTP, Containers).

Perform the following steps to add Data Store:

1. Click [Library] on the left navigation panel, go to the Data Stores tab and then click the [+] icon.

Figure 3-5: Data Stores

(2) Restantillen	FT Edge Manager RA Demo Customer		All Projects 🔹
🕐 Dashboard	Networks Network Instances Data Stores EVE-OS Images	Edge App Images Volume Instances	
Edge Nodes	Data Stores		3 →→ + α …
Edge App Instances	Data Stores Summary (5/5)		\odot
Cluster Instances	Datastore Type Distribution HTTP 	Datastore Category Distribution	
🖴 Library 🚺	HTTPS Amezon S3 5 SFTP	Container Registry File Storage	
Reports	Total Azure Biob Storage Container ZEDEDA S3		
🔁 Jobs	•		
🗑 Marketplace	Name ↑ Category	Type FQDN	Path
63 Administration	customerpreviewstore File Storage	HTTPS https://customerpreviewstore.file.core	windows.net custpreview
	eve-os File Storage	Azure Blob Stora https://zededaeveos5fa6cbd674550.blo	b.core.windo eve-os-upgrade
	InfluxdB_preview Container Registry	Container docker://docker.io	
	RA-Registry Container Registry	Container docker://egaasacrce7e4fa372159eae.a:	surecr.io -
	Zededa-HTTP-Public File Storage	HTTP http://147.75.33.217	images
	Showing 1 to 5 of 5 entries		Records per page 20 • K \leftarrow 1 \rightarrow X
(2) Help Center			

- 2. Provide the following details in the Identity section:
 - Name: Provide a unique name. This cannot be changed.
 - Title: This is user-defined and can be changed.
 - **Description**: Provide a explanation about Data Store.
 - Category: Select [File Storage] or [Container Registry].
 - Scope: Projects: Select the appropriate project from the drop-down list.

Figure 3-6: Identity Section

Ø Reconstiller	FT Edge Manager RA Demo Customer	~
 Dashboard 	< Back to Data Stores / Add Data Store	
🗓 Edge Nodes	Identity	
Edge App Instances	Name * Title * Enter Name Enter Title	
Cluster Instances	Description	
Library	Description	
🛱 Reports	Category* Scope: Projects File Storage x All Projects	
5월 Jobs		
🛱 Marketplace	Details	
63 Administration	FQDN* Path*	
	http://cloud-images.example.com	
	Type * Select Type	
		Cancel

- **3.** If you have selected the Category as [File Storage] in the Identity section, provide the following details in the Details section and the click [Add].
 - FQDN: Provide complete domain name for a specific computer, or host, on the internet. If you select SFTP as the 'Type' of Datastore, FQDN must be of '<IP>:<Port>' format. For example, 192.168.25.101:22 or 192.168.16.11:23456.
 - Path: Provide the path of the application image.
 - Type: Select one of the types from the drop-down list:
 - HTTP–Unsecured connection.
 - HTTPS-Secured connection. You can upload one or more certificates.
 - Amazon S3–You have to provide other details mentioned below.
 - SFTP-You have to provide other details mentioned below.
 - Azure Blob Storage-You must provide other details mentioned below.
 - Username: Provide the username. Applicable only when [SFTP] is selected as [Type].
 - **Password**: Provide the password. Applicable only when [SFTP] is selected as [Type].
 - **Region**: Provide the region. Applicable only when [Amazon S3] is selected as [Type].
 - Access Key Id: Provide the access key id. Applicably when either [Amazon S3] or [Azure Blob Storage] are selected as [Type].
 - Secret Access Key: Provide the access key id. Applicably when either [Amazon S3] or [Azure Blob Storage] are selected as [Type].

Figure 3-7: File Storage

Deschweil Automation	FT Edge Manager RA Demo Customer	()~
🙆 Dashboard	< Back to Data Stores / Add Data Store	
I Edge Nodes	Identity	
Edge App Instances	Name* Title* Enter Name Enter Title	
Cluster Instances	Description Description	
Library		
Reports	Category * Scope: Projects File Storage x All Projects	
Jobs		
🛱 Marketplace	Details	
Administration	FODN* Path * Intrp://cloud-images.example.com Enter Path Type* Select Type	Cancel
		AUG AUG
(2) Help Center		v

- **4.** If you have selected the Category as [Container Registry] in the Identity section, provide the following details in the Details section and the click [Add].
 - Category: Select [Container Registry].
 - Projects: Select the appropriate project from the drop-down list.
 - FQDN: The complete domain name for a specific computer, or host, on the internet.
 - For the docker registry, FQDN is docker://docker.io
 - For the Azure container registry, FQDN is zedcontrolapiteststore.azurecr.io,
 - For the Google container registry, FQDN is docker://gcr.io
 - For the GitHub container registry, FQDN is docker://ghcr.io
 - Type: Select [Container].
 - Username: Provide the username and password for the Azure container registry are different than regular docker hub credentials. You need to get them from the access keys.
 - Password: Provide the password.

Figure 3-8: Container Registry

C Rockweller	FT Edge Manager RA Demo Customer	Ø ~
Dashboard	Televity	•
Edge Nodes	Name* Trile*	
Edge App Instances	Enter Title	
Cluster Instances	Description Description	
Elbrary	Category" Scope: Projects	
@ Reports	Container Registry x All Projects	
3 Jobs		
🛱 Marketplace	Details	
8 Administration	FQDN * http://cloud-images.example.com	
	Type* Select Type	
	Username Password	
	Enter Desword	
		Cancel Add
Help Center		Cancel Add

5. A success message displays and the new Data Store is added in the Data Store list.

Add Edge App Image

An Application Image is binary data stored in one of the Data Stores along with its meta-data such as size, format, architecture, etc.

Perform the following steps to add Edge App Image:

1. Click [Library] on the left navigation panel, go to the [Edge App Images] tab and then click the [+] icon.

Edge Nodes	works Network Instances Data Stores EV ge App Images idge App Images Status Distribution (8/8)	E-OS Images Edge App Images Volume Instances			3 → + q
Edge App Instances		2			
Edge App Instances	Edge App Images Status Distribution (8/8)				
Cluster Instances					9
	Name 🕆	Image Format Image Architecture	Image Status	Data Store	Image Size
🖹 Library 🚺	CustomerPreviewImageGlobal	QCOW2 AMD 64	Ready	2 Data Stores	30.77 GB
Reports	fteg-1.0.0-alpha.39	Container AMD 64	Ready	RA-Registry	0.00 Bytes
Jobs	gw-1.0.0.rc3	Container AMD 64	Ready	2 Data Stores	0.00 Bytes
- Joos	InfluxApp_preview	Container AMD 64	Ready	2 Data Stores	0.00 Bytes
Marketplace	Ubuntu-18.04-bionic-data	QCOW2 AMD 64	Ready	Zededa-HTTP-Public	66.44 MB
Administration	Ubuntu-18.04-bionic-lotedge-1010	QCOW2 AMD 64	Ready	Zededa-HTTP-Public	65.63 MB
	Ubuntu-18.04-bionic-moby	QCOW2 AMD 64	Ready	Zededa-HTTP-Public	447.13 MB
	Ubuntu-18.04-bionic-OS	QCOW2 AMD 64	Ready	Zededa-HTTP-Public	2.38 GB

Figure 3-9: Add Edge App Image

- 2. Provide the following details in the Identity section and click [Add].
 - Name: Provide a unique name.
 - Title: Provide a unique title. This can be changed.
 - **Description**: Provide a detailed explanation about application image.
 - Image Format: Select the Image format from the drop-down list.
 - **Image Architecture**: Select the Image Architecture from the drop-down list.

Figure 3-10: Identity Section

	C Restauretten	FT Edge Manager RA Demo Customer	∞ ~
Ø	Dashboard	< Back to Edge App Images / Add Edge App Image	
ī.	Edge Nodes	Identity	
Ð	Edge App Instances	s Name 0 Tride 2	
13	Cluster Instances	Descriptic 3	
•	Library	Description	
۲	Reports	Image Format Select Image Format	
<u> </u>	Jobs		6
ð	Marketplace		+ I
٢	Administration		Cancel

3. A success message displays and the Edge App Image is added to the Edge App Images list.

Figure 3-11: Edge App Image List

Ø kistinista.	FT Edge Manager RA Demo Customer		IIA	Projects 🔹 🐼 🗸
Dashboard	Networks Network Instances Data Stores EVE-O	5 Images Edge App Images Volume Instances		
Edge Nodes	Edge App Images			+ 0
Edge App Instances	Edge App Images Status Distribution (8/8)			\odot
Cluster Instances	□ Name ↑	Image Format Image Architecture	Image Status Data Store	Image Size
Library	CustomerPreviewImageGlobal	QCOW2 AMD 64	Ready 2 Data Stores	30.77 GB
Reports	🗌 fteg-1.0.0-alpha.39	Container AMD 64	Ready RA-Registry	0.00 Bytes
Jobs	gw-1.0.0.rc3	Container AMD 64	Ready 2 Data Stores	0.00 Bytes
	InfluxApp_preview	Container AMD 64	Ready 2 Data Stores	0.00 Bytes
🛱 Marketplace	Ubuntu-18.04-bionic-data	QCOW2 AMD 64	Ready Zededa-HTTP-Public	66.44 MB
Administration	Ubuntu-18.04-bionic-iotedge-1010	QCOW2 AMD 64	Ready Zededa-HTTP-Public	65.63 MB
	Ubuntu-18.04-bionic-moby	QCOW2 AMD 64	Ready Zededa-HTTP-Public	447.13 MB
	Ubuntu-18.04-bionic-OS	QCOW2 AMD 64	Ready Zededa-HTTP-Public	2.38 GB
	Showing 1 to 8 of 8 entries			age 20 V K (1 > X
Help Center	snowing 1 to 8 of 8 entries		Records per p	ige 20 • K + 1 + X

Create Your Application

You can create three types of Edge Apps on FT Edge Maneger.

- Container
- Virtual Machine
- Modules

Container

Perform the following steps to create a Container type Edge Application:

1. Click [Marketplace] on the left navigation panel and Click the Add [+] icon.

Figure	3-12:	Add .	Ap	p

C Rockwell Automation	FT Edge Manager RA Demo Customer			All Projects	• 60 ~	
② Dashboard	Edge Apps Models	Apps Models				
Lage Nodes	Edge Apps available for enterprise use				\odot	
Edge App Instances	Edge Apps added in enterprise			2 -	+	
Cluster Instances	Clear All Clear All Clat Analytics & Data Management (2) Cloud & Application Enablement (0)	CustomerPreviewImageGlobal	influxdb_preview	k3s_runtime_v2		
Reports	DevOps (0)					
Jobs Marketplace	 Edge Application Framework (1) Industrial Connectivity (0) Networking (0) Operating System (0) 	0 Installs	0 Installs 🗘	0 Installs	\$	
🔞 Administration	 Security (0) Other (1) 	sandbox_fteg FT Edge gateway configured to connect to the development sandbox				
		0 Installs 🗘				
⑦ Help Center						

2. The Edge App Type dialog displays, click [Container].



Discovelli Automation	FT Edge Manager RA Demo Customer All Projects	• 🔊 ~
Dashboard	Edge Apps Models	
မြို့ဆာ Edge Nodes	Edge Apps available for enterprise use	
Edge App Instances	Edge Apps added in enterprise	+
Cluster Instances	Clear All	
E Library	Analytics & Data Management (2) Customer/Preview/mageGlobal influxdb_preview k3s_runtime_v2 Cloud & Application Enablement (0) Edge App Type Press choose an edge app Type to proceed.	
Reports	Cloud & Application Enablement (0) Verse choose an edge app type to proceed. Court of the second s	
Jobs	Edge Application Framework (1) O Installs Outstrial Connectivity (0) Container Virtual Machine Module	\$
🐺 Marketplace	Networking (0)	
👸 Administration	Operating System (0) sandbox_fteg Security (0) FT Edge gateway configured to connect to the development sandbox	
	0 installs	
Help Center		

- **3.** Provide the following details in the Identity section:
 - Logo: You can upload the logo as per the suggested recommendations and formats.
 - Name: Provide a unique name. This cannot be changed.
 - Title: Provide a unique title. This can be changed.
 - **Description**: Provide a detailed explanation about the edge application.
 - **Category**: Classification of the edge application can be one of Cloud Gateway, End Application, Infrastructure, Network Gateway, Operating System, Runtime, or Others.
 - Version: Provide the version for your edge application.
 - **Deployment Type**: Choose the deployment type from the drop-down list.
 - License: Choose from a list of commonly used licenses by developers to release their work or provide a custom license by way of pointing to an existing location or uploading a file.
 - VNC Connection: This option should be enabled if you want to allow end-users of the edge application to access the instance directly through a VNC connection (users will have to be in the same network as the edge node). Alternately if enabled, the edge application Instance can be accessed through a Remote Console connection from within the FactoryTalk Edge Manager.

C Rockwell Automation	FT Edge Manager RA Demo Customer		All Projects	- M ~
🕜 Dashboard	< Back to Edge Apps / Add Edge App			Î
Edge Nodes	Upload Edge App Type: Container			
Edge App Instances	Identity			- 1
Cluster Instances	LOGO HERE	Name *	Title *	
E Library	Maximum Recommended Dimensions - (200x40 px) Supported Formatspngjpegjpg			
Reports	Maximum File Size - 5MB Description			
Jobs	Description			
Marketplace	Category*	Version	Deployment Type *	
(C) Administration	Select Category VNC Connection	Version (eg. 1.0.0) Enable CPU Pinning	Standalone x	
	Yes	Yes		
	License Add License			
	Resources			
(?) Help Center	Resource* CPUs*	Memory *		

Figure 3-14: Identity Section

- 4. Provide the following details in the Resources section:
 - **Resource**: Provide the resource requirements.
 - **CPU:** Provide the number of virtual CPUs required by the edge application.
 - **Memory:** Provide the virtual memory requirements of the edge application.

Figure 3-15: Resources Section

C Rockwell Automation	FT Edge Manager RA Demo Customer
🕐 Dashboard	Category* Version Deployment Type* Select Category ✓ Version (eg. 1.0.0) Standalone ×
급 Edge Nodes	VNC Connection Enable CPU Pinning Yes Yes
Edge App Instances	License Add License
Cluster Instances	
🖹 Library	Resources
🗃 Reports	Resource* CPUs* Memory* Select Resource* vCPU Memory Bytes x
廷 Jobs	
🐺 Marketplace	Drives
63 Administration	
	Tag Edge App Image* Mount Path Encrypted Purge
	② Atleast 1 Container type image should be selected for an Edge App of type Container. Tag Select Image Path ☑ Yes Yes

- 5. Provide the following details in the Drives section:
 - Scope Projects: Select the Project from the drop-down list.
 - **App Image:** Select an existing App Image that is already registered with FT Edge by way of uploading the actual file or uplinking to an existing location.

- **Tag:** This is an optional identifier used to choose preferred volume instances for deployments.
- Mount Path: The mount path provided in the application manifest is mounted on that directory and also created under the '/eve/volumes/uuid' path inside the application instance. Generally, the mount path is not provided for the root disc. it is specified for the data disc. If a path is specified, the volume gets mounted on that path inside the application instance. All volumes are created inside the 'persist/vault/' directory or 'persist/clear/' directory and the mount points specified by the user in the application specify where the user needs the volume inside the instance.
- Encrypted: Select the checkbox to encrypt the data and store under the 'persist/vault/' path and/or the path provided. Note that Edge Operating System (Edge OS) supports per folder encryption.
- **Purge:** Purge is a method of discarding accumulated information. An application bundle has a root disc and may have multiple volumes. Generally, only the root disc is purged, when the data needs to be preserved and not discarded. If the purge checkbox is checked, the next time when user purges their application instance, the root disc is purged along with the specified volumes.

Figure 3-16: Drives Section

(Richardhan	FT Edge Manager RA Demo Customer
② Dashboard	Resources
Gmp Edge Nodes	Resource* CPUs* Memory*
Edge App Instances	Select Resource vCPU Mamoi Bytes x
Cluster Instances	Drives
E Library	
Reports	Tag Edge App Image* Mount Path Encrypted Purge
莼 Jobs	Image Image
👾 Marketplace	
63 Administration	Environments
	environments
	Add Environment
	Configuration
Help Center	Add Custom Config Template

- 6. Provide the following details in the Environments section:
 - Name: Provide name of the environment.
 - **Direct Attach:** Select the checkbox, if you want to use the hardware resource directly.

C Rockwell Automation	FT Edge Manager RA Demo Customer	All Projects	• (A) ~
② Dashboard	() Atleast 1 Container type Image should be selected for an Edge App of type Container.		· · · · · · · · · · · · · · · · · · ·
🔒 Edge Nodes	Tag Select Image Path 🗳 Yes 🕒 Yes		
Edge App Instances			
Cluster Instances	Environments		
🖹 Library	Name* Direct Attach Adapter Type Name Yes Select Adapter 🛪		
Reports			_
Jobs		Add Environm	ent
🐺 Marketplace			_
Administration	Configuration		
	Add Custom Config Template Yes		
	Developer Info		

Figure 3-17: Environments Section

NOTE: Skip Steps 8 and 9, if you have selected Direct Attach checkbox.

- 7. Provide the following details in the Outbound Rules section:
 - Outbound Host or IP: Provide hostname or valid IP Address.
 - Protocol: Select [Any], [TCP], or [UDP] from the drop-down list.
 - Port: Provide the port details or select from the drop-down list.
 - Action: Select [Allow] or [Limit].
 - **Rate:** If you have selected the Action as [Limit], then provide the Rate value.
 - **Burst:** If you have selected the Action as [Limit], then provide the Burst value.

Figure 3-18: Outbound Rules Section

Automation	FT Edge Manager RA Demo Customer	All Projects
② Dashboard	Name " Direct Attach	*
Edge Nodes	Name Yes	^
Edge App Instances	Outbound Rules	
Cluster Instances		
E Library	Note By default application will not be able to connect to any external network.	
Reports	Please provide external network/host and port details this application will connect to.	
對 Jobs	Outbound Host or IP Protocol Port Action Rate Burst	
🐨 Marketplace	Host Any Any Allow Not Available Not Available	ble 😑
6 Administration		Add Rule
	Inbound Rules	
	Note	
Help Center	By default, application will not receive any incoming connection from external network. Please provide port mapping rules if this application needs to accept connection.	

- 8. Provide the following details in the Inbound Rules section:
 - Protocol: Select [TCP] or [UDP] from the drop-down list.
 - Edge Node Port: Select [Any] from the drop-down list or provide customized value.
 - Action: Select [Map] or [Limit] from the drop-down list.
 - Edge App Port: If you have selected Action as [Map] then provide the application port number.
 - **Rate:** If you have selected the Action as [Limit] then provide the Rate value.
 - **Burst:** If you have selected the Action as [Limit], then provide the Burst value.
 - Inbound IP Address: Provide a valid IP address.

Figure 3-19: Inbound Rules Section

	Rockwell Automation	FT E	FT Edge Manager RA Demo Customer					•	> ~				
Ø	Dashboard												*
Ĩ.	Edge Nodes										Add Rule		
Ð	Edge App Instances			Inbound Rules									
13	Cluster Instances		Γ	Note									
۸	Library			By default, application Please provide port	on will not receive any mapping rules if this a	incoming connection pplication needs to	n from external netwo accept connection.	rk.					
(1)-	Reports												
331	Jobs			Protocol*	Edge Node Port*	Action	Edge App Port*	Rate*	Burst*	Inbound IP Address			
۰ ۳	Marketplace			Protocol 🔻	Port	Map ×	App Port	Not Available	Not Available	eg: 192.1)	Θ		
ŝ	Administration										Add Rule		
											Add Environment		
0	Help Center		Confi	guration								_	÷

- **9.** If you want to add a custom configuration template, select the [Add Custom Config Template] checkbox and provide the following details:
 - Configuration Name: Provide an alphanumeric name.
 - Allow Edge App Instances to override entire config: Select accordingly.
 - Allow Storage Resize: Select accordingly.
 - Variable Delimiter: Provide a sequence of characters that helps identify variables in the template.
 - Configuration Template: Paste the configuration template in the box.

	C Automation	FT Edge	Manager RA Demo Customer	All Projects	
Ø	Dashboard	Con	figuration		
E	Edge Nodes	Add	i Custon Config Template Vae		
Ð	Edge App Instances	Con	figuration Name *		
13	Cluster Instances	Allo	w Edge App deployments to set entire		
۲	Library				
	Reports		lable Delimiter *		
5	Jobs		figuration Template *		
1	Marketplace				
63	Administration				
0	Help Center				

Figure 3-20: Configuration Section

- **10.** Provide the following details in the Variables Group section:
 - Variable Group Name: Provide a suitable name for the variable group.
 - Show Always: This checkbox is checked by default.
 - Show If: This parameter needs to have details of the rendering group variables accordingly.
- **NOTE:** You can uncheck the [Show Always] checkbox to see the 'Show If' parameter being displayed. You can then select the variable along with the operator and appropriate value.



Rockwell Automation	FT Edge Manager RA Demo Customer	All Projects 💌 🚳 🗸
Dashboard		
🚋 Edge Nodes		
Edge App Instances		
Cluster Instances	Variable Groups	^
🖹 Library	Variable Group Name * Show Always	×
Reports	Variable-Group-0	
Jobs 1	Variable Definitions	^
Marketplace		Add Variable
🐼 Administration		
		Add Variables Group
(?) Help Center	Developer Info	

11. To add a custom variable, click [Add Variable] and provide the following details:

- Variable Name: Provide a suitable name for the variable group.
- **Display Title**: Provide the title you want to be displayed.
- Variable Type: Select a Variable Type from the drop-down list.

Figure 3-22: Add Variable

C Rockwell Automation	FT Edge Manager RA Demo Customer	All Projects	• (A) ~
② Dashboard			*
🚋 Edge Nodes	Variable Groups	^	
Edge App Instances	Variable Group Name* Show Always Variable Group 0	×	¢
Cluster Instances	Variable-Group-0		
E Library	Variable Definitions	^	
Reports	Variable Name* Display Title* Variable Type* Required Script Usage	×	
Jobs	Name Title Select Type • Yes .		
🐨 Marketplace		Add Variable	
(2) Administration		Add Variable	
		Add Variables Group	
Help Center	Developer Info		

- **12.** Provide the following details in the Developer Info section:
 - Name: Provide the Developer name.
 - Email: Provide Developer email.
 - Website: Provide Developer website.
 - Agreement: The developer can share specific agreements with services offered or standards complied.
 - **Developer Description**: Details about the developer like the different types of development work carried out etc.
 - Support Description: Specific instructions or contact details for support.

i iguic 0-20.	Developer IIIIo					
Rockwell F	T Edge Manager RA Demo Customer			All Projects	•	AA ~
🕑 Dashboard				Add Variable		*
Edge Nodes				Add Variable		
Edge App Instances						
Cluster Instances				Add Variables Gro	up	
🖻 Library						
🛱 Reports	Developer Info					
廷 Jobs	Name*	Email *	Website* www.example.com			
🗑 Marketplace	Company	Agreement				
Administration	Company Name Support Description	Select Agreeme				
	Support Description					
Help Center				Cance	Add	

Figure 3-23: Developer Info

13. Click [Add].Figure 3-24: Add

C Rockwell Automation	FT Edge Manager RA Demo Customer		All Projects	• 🔊 ~
② Dashboard				-
Ê Edge Nodes			Add Variable	
Edge App Instances				
Cluster Instances			Add Variables Group]
🖹 Library				
Reports	Developer Info			
Jobs	Name *	Email* john.smith@example.com	Website *	
🐺 Marketplace	Company	Agreement	www.example.com	
Administration	Company Name	Select Agreeme.		
	Support Description Support Description			
				Ţ
Help Center			Cancel	Add

14. After the edge application is added, it appears on the Marketplace screen.

Virtual Machine

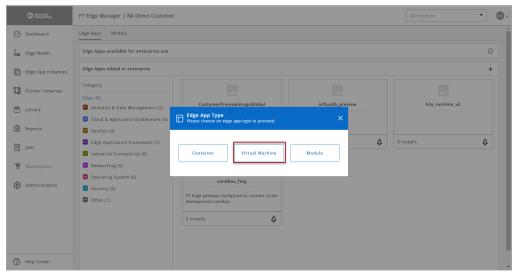
Perform the following steps to create a Virtual Machine (VM) type Edge Application:

- 1. Click [Marketplace] on the left navigation panel.
- 2. Click the Add [+] icon on the top right corner.

O Rectived	FT Edge Manager RA Demo Customer				All Projects	• @ ~
Dashboard	Edge Apps Models					
🚑 Edge Nodes	Edge Apps available for enterprise use					0
Edge App Instances	Edge Apps added in enterprise				2.	→ +
Cluster Instances	Category Clear All					
E Library	 Analytics & Data Management (2) Cloud & Application Enablement (0) 	CustomerPreviewImageGlobal	influxdb_preview		k3s_runtime_v2	
Reports	🕑 DevOps (0)					- 1
Jobs	 Edge Application Framework (1) Industrial Connectivity (0) 	0 Installs	0 Installs	۵	0 Installs	\$
🐺 Marketplace 🚺	Networking (0)					
🚱 Administration	 Operating System (0) Security (0) Other (1) 	sandbox_fteg FT Edge gateway configured to connect to the development sandbox				
		0 Installs				
(2) Help Center						

3. The Edge App Type dialog, click [Virtual Machine].

Figure 3-26: Virtual Machine Type



IMPORTANT: You can click [Import JSON] to import the parameters.

Figure	3-27:	Import	JSON
iguio	• =	mport	00011

C Rockwell Automation	FT Edge Manager RA Demo Customer		All Projects	• 🔊 ~
🕜 Dashboard	< Back to Edge Apps / Add Edge App			*
Ê Edge Nodes	Upload Edge App Type: Virtual Machine		Fill in the details below or	Import JSON
Edge App Instances	Identity			
င်ကို Cluster Instances		Name *	Title *	
🖹 Library	Maximum Recommended Dimensions - (200x40 px)			
Reports	Supported Formatspngjpegjpg Maximum File Size - 5MB			
廷 Jobs	Description Description			
🐺 Marketplace			J	
ô Administration	Category *	Version Version (eg. 1.0.0)	Deployment Type * Standalone x	
	VALC CONTRACTOR	VAL 44.2. *	Carble Childhadaa	

- 4. Provide the following details in the Identity section:
 - Logo: You can upload the logo as per the suggested recommendations and formats.
 - Name: Provide a unique name. This cannot be changed.
 - Title: Provide a unique title. This can be changed.
 - **Description**: Provide a detailed explanation about the edge application.
 - **Category**: Classification of the edge application can be one of Cloud Gateway, End Application, Infrastructure, Network Gateway, Operating System, Runtime, or Others.
 - Version: Provide the version for your edge application.
 - Deployment Type: Choose the deployment type from the drop-down list.
 - License: Choose from a list of commonly used licenses by developers to release their work or provide a custom license by way of pointing to an existing location or uploading a file.
 - VNC Connection: This option should be enabled if you want to allow end-users of the edge application to access the instance directly through a VNC connection (users will have to be in the same network as the edge node). Alternately if enabled, the edge application Instance can be accessed through a Remote Console connection from within the UI.
 - VM Mode: Select one of the supported virtualization modes from the drop-down list.

-			
Rockwell Automation	FT Edge Manager RA Demo Customer		All Projects 🔹 🚳 🗸
🕜 Dashboard	< Back to Edge Apps / Add Edge App		Î
Edge Nodes	Upload Edge App Type: Virtual Machine		Fill in the details below or Import JSON
Edge App Instances	Identity		
Cluster Instances	Logo	Name *	Title *
🖹 Library	LOGO HERE ± Maximum Recommended Dimensions - (200x40 px)		
Reports	Supported Formatspngjpegjpg Maximum File Size - 5MB		
評 Jobs	Description Description		
Marketplace			
63 Administration	Category * Select Category	Version Version (eg. 1.0.0)	Deployment Type * Standalone ×
	VNC Connection	VM Mode*	Enable CPU Pinning Yes
	License Add License		
(2) Help Center	Resources		

Figure 3-28: Identity Section

- 5. Provide the following details in the Resources section:
 - **Resource**: Provide the resource requirements.
 - **CPU:** Provide the number of virtual CPU's required by the edge application.
 - **Memory:** Provide the virtual memory requirements of the edge application.
 - Storage: Provide the virtual storage requirements of the edge application.

Figure 3-29: Resources Section

C Rockwell Automation	FT Edge Manager RA Demo Customer	All Projects	A ~
Dashboard	Ves HVM x	-	^
🛄 Edge Nodes	License Add License		
Edge App Instances			_
Cluster Instances	Resources		_
E Library	Resource* CPUs* Memory* Storage* Select Resource* VCPU Memory Bytes Storage Bytes X		
Reports			- 1
🔁 Jobs	Drives		- 1
🐨 Marketplace	Drive Type [*] Target [*] Tag Edge App Image [*] Max Size [*] Mount Path En	crypted Purge	
👸 Administration	Drive Typev Target Tag Select Image Max SI Bytes x Path	Yes Yes	
	Environments		
		Add Environment	
Help Center			

- 6. Provide the following details in the Drives section:
 - Scope Projects: Select the Project from the drop-down list.
 - Drive Type: Select the type of drive from the drop-down list.

- Target: Select the target usage from the drop-down list.
- App Image: Select an existing App Image that is already registered with FT Edge by way of uploading the actual file or uplinking to an existing location.
- **Tag:** This is an optional identifier used to choose preferred volume instances for deployments. Volume tags can contain alphabets, numbers, and special characters only.
- Mount Path: The mount path provided in the application manifest is mounted on that directory and also created under the '/eve/volumes/uuid' path inside the application instance. Generally, the mount path is not provided for the root disc. it is specified for the data disc. If a path is specified, the volume gets mounted on that path inside the application instance. All volumes are created inside the 'persist/vault/' directory or 'persist/clear/' directory and the mount points specified by the user in the application specify where the user needs the volume inside the instance.
- Encrypted: Select the checkbox to encrypt the data and store under the 'persist/vault/' path and/or the path provided. Note that Edge Operating System (Edge OS) supports per folder encryption.
- **Purge:** Purge is a method of discarding accumulated information. An application bundle has a root disc and may have multiple volumes. Generally, only the root disc is purged, when the data needs to be preserved and not discarded. If the purge checkbox is checked, the next time when user purges their application instance, the root disc is purged along with the specified volumes.

Figure 3-30: Drives Section

C Rockwell Automation	FT Edge Manager RA Demo Customer	All Projects	
🕑 Dashboard	Ves Yes		
🕍 Edge Nodes	License Add License		
Edge App Instances			
Cluster Instances	Resources		
🖻 Library	Resource* CPUs* Memory* Storage* Select Resource* vCPU Memory Bytes X Storage Bytes X		
Reports			
Jobs .	Drives		
Marketplace	Drive Type * Target * Tag Edge App Image * Max Size * Mount Path Encr	ypted Purge	
😥 Administration	Drive Typer Target Tag Select Image Max SI Bytes x Path	Yes 🗌 Yes 🕂	
			-
	Environments		
		Add Environment	
(2) Help Center			

- 7. Provide the following details in the Environments section:
 - Name: Provide name of the environment.

- **Direct Attach:** Select the checkbox, if you want to use the hardware resource directly.
- Adapter Type: Select the Adapter Type from the drop-down list.

Figure 3-31: Environments Section

C Rockwell Automation	FT Edge Manager RA Demo Customer	All Projects	 ∧ ∧
Dashboard	Drive Type * Target * Tag Edge App Image * Max Size * Mount Path	Encrypted Purge	^
🚛 Edge Nodes	Drive Type Target Tag Select image Max Si Bytes x Path	Yes Yes 🕂	
Edge App Instances			
Cluster Instances	Environments		
🖹 Library	Name * Direct Attach Adapter Type Name * Yes Select Adapter *		×
Reports			
舞 Jobs		Add Environment	
🐺 Marketplace			-
() Administration	Configuration		
	Add Custom Config Template		
	Developer Info		
	Name* Email* Website		
Help Center	john.smith@example.com	example.com	-

NOTE: Skip Steps 8 and 9, if you have selected the Direct Attach checkbox.

- 8. Provide the following details in the Outbound Rules section:
 - Outbound Host or IP: Provide hostname or valid IP Address.
 - Protocol: Select [Any], [TCP], or [UDP] from the drop-down list.
 - Port: Provide the port details or select from the drop-down list.
 - Action: Select [Allow] or [Limit].
 - **Rate:** If you have selected the Action as [Limit], then provide the Rate value.
 - **Burst:** If you have selected the Action as [Limit], then provide the Burst value.

	C Rockwell Automotion	FT Edge	e Manager RA Demo Cust	omer				All Pr	ojects	•	6	
	Dashboard Edge Nodes		Name*		Direct A	ttach			,	^	Ĵ	
Ð	Edge App Instances		Outbound Rules									
23	Cluster Instances									٦		
6	Library		Note By default application w Please provide external	ill not be able to conn	ect to any externa	il network.						
ê	Reports		rieuse provide externar	network/nost and por	t details this appr	cation win connect to.						h
1	Jobs		Outbound Host or IP	Protocol	Port	Action	Rate	Burst				
)	Marketplace		Host	Any ×	Any	Allow	Not Available	Not Available	Θ			
¢	Administration								Add Rule			l
			Inbound Rules									
0	Help Center		Note By default, application w Please provide port map	ill not receive any inc ping rules if this appli	oming connection ication needs to a	from external network. ccept connection.						

Figure 3-32: Outbound Rules Section

- 9. Provide the following details in the Inbound Rules section:
 - **Protocol:** Select [TCP] or [UDP] from the drop-down list.
 - Edge Node Port: Select [Any] from the drop-down list or provide customized value.
 - Action: Select [Map] or [Limit] from the drop-down list.
 - Edge App Port: If you have selected Action as [Map] then provide the application port number.
 - **Rate:** If you have selected the Action as [Limit] then provide the Rate value.
 - **Burst:** If you have selected the Action as [Limit], then provide the Burst value.
 - Inbound IP Address: Provide a valid IP address.

Figure 3-33: Inbound Rules Section

C Rockwell Automation	FT Edge Manager RA Demo Customer	AA ~
Dashboard		*
🔔 Edge Nodes	Add Rule	
Edge App Instances	Inbound Rules	
Cluster Instances	Note	
E Library	wate By default, application will not receive any incoming connection from external network. Please provide port mapping rules if this application needs to accept connection.	
Reports		
廷 Jobs	Protocol Edge Node Port Action Edge App Port Rate Burst Inbound IP Address	
🐨 Marketplace	Protocol • Port Map x App Port Not Available eg: 192.11 .	
🚱 Administration	Add Rule	
	Add Environment	

- **10.** If you want to add a custom configuration template, select the [Add Custom Config Template] checkbox and provide the following details:
 - Configuration Name: Provide an alphanumeric name.
 - Allow Edge App Instances to override entire config: Select accordingly.
 - Allow Storage Resize: Select accordingly.
 - Variable Delimiter: Provide a sequence of characters that helps identify variables in the template.
 - **Configuration Template:** Paste the configuration template in the box.

Figure 3-34: Configuration Section

C Rockwell Automation	FT Edge Manager RA Demo Customer	M ~
🕐 Dashboard	Configuration	Î
🚋 Edge Nodes	Add Custom Config Template	
Edge App Instances	Configuration Name*	
Cluster Instances	Name Allow Edge App deployments to set entire Allow Storage Resize	
E Library	configuration?	
🛱 Reports	Variable Delimiter * Delimiter	
Jobs	Configuration Template * Add Template	
🐺 Marketplace		
63 Administration		

- **11.** Provide the following details in the Variables Group section:
 - Variable Group Name: Provide a suitable name for the variable group.
 - Show Always: This checkbox is checked by default.
 - Show If: This parameter needs to have details of the rendering group variables accordingly.

Figure 3-35: Add Variable

C Rockwell Automation	FT Edge Manager RA Demo Customer	All Projects	AA ~
② Dashboard			
Edge Nodes	Variable Groups	^	
Edge App Instances	Variable Group Name* Show Always Variable Group ∩ ₩ Yes	×	
Cluster Instances	Variable-Group-0		
E Library	Variable Definitions	^	
Reports	Variable Name Display Title Variable Type Required Script Usage	×	
廷 Jobs	Name Title Select Type Ves		
🐨 Marketplace			
() Administration		Add Variable	
		Add Variables Group	
() Help Center	Developer Info		

- **12.** Provide the following details in the Developer Info section:
 - Name: Provide the Developer name.
 - Email: Provide Developer email.
 - Website: Provide Developer website.
 - Agreement: The developer can share specific agreements with services offered or standards complied.
 - **Developer Description**: Details about the developer like the different types of development work carried out etc.
 - Support Description: Specific instructions or contact details for support.

Figure 3-36: Developer Info

C Rockwell Automation	FT Edge Manager RA Demo Customer	All Projects) @~
Dashboard			*
🚑 Edge Nodes		Add Variable	
Edge App Instances			
Cluster Instances		Add Variables Group	
E Library			
Reports	Developer Info		
Jobs	Name * Email * [ohn.smith@example.com	Website *	
🐺 Marketplace	Company Agreement	www.example.com	
Administration	Company Name Select Agreeme.		
	Support Description Support Description		
			- 1
Help Center		Cancel	Add

13. Click [Add].Figure 3-37: Add

Rockwell Automation	FT Edge Manager RA Demo Customer		All Projects	M ~
🕜 Dashboard				^
崖 Edge Nodes			Add Variable	
Edge App Instances				
Cluster Instances			Add Variables Group	
🖹 Library				
Reports	Developer Info			
Jobs الم	Name *	Email*	Website *	
🗑 Marketplace	Company	john.smith@example.com	www.example.com	
🚱 Administration	Company Name	Select Agreeme		
	Support Description			
Help Center			Cancel	dd

14. After the edge application is added, it appears on the Marketplace screen.

Module

Perform the following steps to create a Module type Edge Application:

- 1. Click [Marketplace] on the left navigation panel.
- 2. Click the Add [+] icon on the top right corner.

Figure 3-38: Add App

Discharged Actions	FT Edge Manager RA Demo Customer			All Projects	•
② Dashboard	Edge Apps Models				î
Edge Nodes	Edge Apps available for enterprise use				\odot
Edge App Instances	Edge Apps added in enterprise			2 -	+
Cluster Instances	Category Clear All				
E Library	Analytics & Data Management (2)	CustomerPreviewImageGlobal	influxdb_preview	k3s_runtime_v2	
Reports	 Cloud & Application Enablement (0) DevOps (0) 				- 1
Jobs	 Edge Application Framework (1) Industrial Connectivity (0) 	0 Installs	0 Installs	0 installs	\$
 marketplace ● Marketplace ● Administration 	Industrial conectivity (0) IN Every of (0) IN	sandbox_fteg FT Edge gateway configured to connect to the development sandbox 0 Installs			
Help Center					

3. The Edge App Type dialog, click [Module].

Figure 3-39: ModuleType

	FT Edge Manager RA Demo Customer	• •
② Dashboard	Edge Apps Models	
🛄 Edge Nodes	Edge Apps available for enterprise use	
Edge App Instances	Edge Apps added in enterprise	+
Cluster Instances	Ctegory Clear All	
🖻 Library	Analytics & Data Management (2) CustomerPreviewImageGlobal influxdb.preview k3s CostomerPreviewImageGlobal The Cost of th	_runtime_v2 Other
Reports	DevOps (0) Edge Application Framework (1) Industrial Connectivity (0) Container Virtual Machine Module	\$
8 Administration	Operating System (0) sandbox_fteg Security (0) FT Edge gateway configured to connect to the development sandbox	
(7) Help Center	o installs 🖉	

- 4. Provide the following details in the Identity section:
 - Logo: You can upload the logo as per the suggested recommendations and formats.
 - Name: Provide a unique name. This cannot be changed.
 - Title: Provide a unique title. This can be changed.

- **Description**: Provide a detailed explanation about the edge application.
- **Category**: Classification of the edge application can be one of Cloud Gateway, End Application, Infrastructure, Network Gateway, Operating System, Runtime, or Others.
- Version: Provide the version for your edge application.
- License: Choose from a list of commonly used licenses by developers to release their work or provide a custom license by way of pointing to an existing location or uploading a file.

Figure 3-40: Identity Section

C Rockwell Automation	FT Edge Manager RA Demo Customer			All Projects	AA ~
Dashboard	< Back to Edge Apps / Add Edge App Upload Edge App Type: Module				Â
Edge Nodes	Identity				
Cluster Instances		Name *	Title * Title		
E Library	Maximum Recommended Dimensions - (200x40 px) Supported Formatspng, .jpeg, .jpg				
Reports	Maximum File Size - 5MB Description				
差 Jobs	Description				
🐺 Marketplace	Category*	Version			
(c) Administration	Select Category Enable CPU Pinning Yes	Version (eg. 1.0.0)			
	Azure Runtime Module				
	License Add License				
Help Center	Drives				

- 5. Provide the following details in the Drives and Container Options section:
 - **App Image**: Select an existing App Image that is already registered with FT Edge by way of uploading the actual file or uplinking to an existing location.
 - **Container Options**: This option enables you to configure the module containers at runtime and also expand your control over the modules and allow for tasks like allowing or restricting the module's access to the host device's resources or configuring networking.

(i) 2015	FT Edge Manager RA Demo Customer	All Projects	AA ~
🕑 Dashbo	d Add License		•
È Edge No	es Drives		
Edge Ap			
Cluster	Stances Select Image +		
🖹 Library			
Reports			
Jobs	Container Options		
Marketp	Container Options Template		
🚯 Adminis	ation		

Figure 3-41: Drives Section

- 6. Provide the following details in the Module Deployment Details section:
 - Module Deployment Template:
 - Routes: Provide the Name and details of the route.
 - **Environment Variables**: This provides supplemental information to a module to facilitate the configuration process.

Figure 3-42: Module Deployment Details

Automation	FT Edge Manager RA Demo Customer	All Projects	•	M ~
② Dashboard	Module Deployment Details			•
Edge Nodes	Module Deployment Template			
Edge App Instances				
Cluster Instances				
E Library				
🖨 Reports				
Jobs	Routes			
👾 Marketplace	Name Details			
👸 Administration	Name Details			
	Environment Variables			
	Key Value			
	Key Value +			
	Developer info			
⑦ Help Center	Name* Email* Website* Name John smith@example.com www.example.com	n		÷

- 7. Provide the following details in the Developer Info section:
 - Name: Provide the Developer name.
 - Email: Provide Developer email.
 - Website: Provide Developer website.
 - Agreement: The developer can share specific agreements with services offered or standards complied.

- **Developer Description**: Details about the developer like the different types of development work carried out etc.
- Support Description: Specific instructions or contact details for support.

Figure 3-43: Developer Info

C Rockwell Ratomation	FT Edge Manager RA Demo Customer			All Projects	AA ~
🕜 Dashboard					^
🗓 Edge Nodes				Add Variable	
Edge App Instances					
Cluster Instances				Add Variables Group	
🖹 Library					
Reports	Developer Info				
撬 Jobs	Name *	Email * john.smith@example.com	Website *		
🐨 Marketplace	Company Company Name	Agreement Select Agreeme. *			
Administration	Support Description	Select Agreement			
	Support Description				
					_
Help Center				Cancel	Add

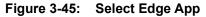
8. Click [Add]. Figure 3-44: Add

C Rockwell Automation	FT Edge Manager RA Demo Customer	All Projects	()~
🕜 Dashboard			-
占 Edge Nodes		Add Variable	
Edge App Instances			
Cluster Instances		Add Variables Group	
🖹 Library			
Reports	Developer Info		
jobs	Name * Email *	Website *	
👮 Marketplace	Company Agreement	www.example.com	
🚱 Administration	Company Name Select Agreeme.		
	Support Description Support Description		
			t II
Help Center		Cancel	dd

9. After the edge application is added, it appears on the Marketplace screen.

Deploy Edge App

1. Go to the Edge Apps added in enterprise section (Private Marketplace) and click the app tile you want to deploy.



@ Estimat	FT Edge Manager RA Demo Customer			All Projects	- 🚳
② Dashboard	Edge Apps Models				
Ing Edge Nodes	Edge Apps available for enterprise use				0
Edge App Instances	Edge Apps added in enterprise 2				+
Cluster Instances	Category Clear All Analytics & Data Management (2) Cloud & Application Enablement (0)	CustomerPreviewImageGlobal	Influxdb_preview	k3s_runtime_v2	
Beports	 DevOps (0) Edge Application Framework (1) Industrial Connectivity (0) 	0 installs	0 Installs	0 Installs	\$
Marketplace 1	 Networking (b) Poperating System (b) Security (b) Other (1) 	sandbox,freg FT Edge gateway configured to connect to the development andbas O installs	3		
Help Center					

2. Review the fields and click 'Deploy Edge App' to deploy the application.

Figure 3-46: Deploy Edge App

© Internation	FT Edge Manager RA Demo Cu	istomer						All Projects	•	•	
② Dashboard	< Back to Edge Apps / influxdb_prev	riew							0.	•	
Êm Edge Nodes		Deploy Edge App									
Edge App Instances	Influxdb_preview new tes Provided By: RA	Influxdb_preview new test Provided By: RA									
Cluster Instances	Type: Container Category: Analytics & Data Mana;	Type: Container Category: Analytics & Data Management									
🖹 Library	Version: 1.0.0	tersion: 1.0.0									
Reports	Identity	Identity									
廷 Jobs	Created At Mar 23, 2023 11:34 AM	Updated By sandbox-service@ra.rockwell.co m	Updated At Mar 23, 202	8 11:34 AM	VNC Connection Yes		Enable CPU Pinning No	Deploym Standalo			
👾 Marketplace											
Administration	Resource Type Tiny	CPUs 1	Memory 512.00 MB								
	Drives Scope: Projects All Projects										
	Tag	Image		Encrypted		Purge		Mount Path			
		() InfluxApp_preview		Yes		No					
(2) Help Center	Environment										

- **3.** The Add Edge App Instance page displays. On the Edge App & Edge Nodes tab, provide the following details and click Next.
 - Edge App: Select the Edge App from the drop-down list.
 - **Project**: Select the Project from the drop-down list.
 - Number of Deployments: Select [Single] for single deployment or [Multiple] for multiple deployment.
 - **Please select an edge node from selected Project**: Select the appropriate Edge Node(s).

NOTE: The Edge Nodes will be filtered based on the selected Project.

Figure 3-47: Edge App Instance Details

Dashboard	< Back to Edge App Ins	tances / Add Edge Aj	pp Instance					
B Edge Nodes	1 Edge App	& Edge Nodes	2 Edge App I	nstance Identity	(3) Adapters & Network	(5	(4) Custom Configuration	(5) Review & Deploy
Edge App Instances	Select the Edge App ar	d Number of Deployr	nents.					
Cluster Instances	Edge App * U factorytalk_edge_g	ateway	x Show Less	Project 2 DefaultEdgeGate	wayProjectPolicy ×		Number of Deployments	×
Library	Drives							
Reports	Tag		Image	Enc	rypted	Purge	Mou	nt Path
Jobs			() gw-1.0.0.rc3	Yes		Yes		
_	Resources							
🛱 Marketplace	CPUs	Memory						
Administration	2	1.00 GB						
	Please select an edg	e node from selecte	d Project.					
	4 Name ↑		Serial Number	EVE-OS In	nage Version Location		Edge App Instances Load	l Project
	 Node1; 	!01-A	0	8.12.0-kv	m-amd64 95103.San Jo	ose.US	High	DefaultEdgeGatewayPro
		1 entries 1 Select					Records per page	20 - K ≪ 1 → 5

- **4.** On the Edge App Instance Identity tab, provide the following details and click [Next].
 - Name: Provide a unique Name. This cannot be changed.
 - Title: Provide a title. This can be changed.
 - **Description**: Provide a detailed explanation about Edge App Instance.
 - Enable Logs Access: Check the box to enable logs access.
 - **Staggered Start Delay**: You can introduce a delay between the time Edge Operating System (Edge OS) is ready to process application instance configurations and the time the application is actually started.
 - Tags: Enter the key and value as required.

Figu	re 3-48	3: Details			
۵	Automation	FT Edge Manager RA Demo Customer			Ø ~
🕑 Das	shboard	< Back to Edge App Instances / Add Edge App Instance			
Êmp Edg	ge Nodes	Edge App & Edge Nodes C Edge App Instance Identity	③ Adapters & Networks	(4) Custom Configuration	(5) Review & Deploy
🔲 Edg	ge App Instances	Select Name, Title and a common Description for all instances.			
Clu	uster Instances	Name 1 Edge App Instance Name Edge App Instan	ce Title		
🖹 Lib	orary	Description 3 Description			
🖨 Reg	ports				
3章 Jop	05	Enable Logs Access 4			
`₩ Ma	irketplace	Staggered Start Delay 0 Second(s)			
£₿ Adr	ministration	Tags Enter Key Enter Value			6
() Hel	lp Center				Cancel Previous Next

- 5. On the Adapter & Networks tab, provide the following details and click [Next].
 - Select the Network Instance from the drop-down list.
 - Select the IO Adapter bundle from the drop-down list.

Figure 3-49: Adapter & Networks

C Rectionation	FT Edge Manager RA Demo Customer						0
Dashboard	< Back to Edge App Instances / Add Edge App	Instance					
🔒 Edge Nodes	(1) Edge App & Edge Nodes	② Edge App Instance Identity	3 Adapters & Networks	(④ Custom Configuration	(5) Review &	Deploy
Edge App Instances	Assign Edge Node resources to the Edge App's	adapters and review Firewall Rules if any.					
Cluster Instances	Network Adapters						
E Library	Network Adapter Name	Firewall Rules			Network Instance*		
Reports	eth0	Edge App Configured		0	defaultLocal-Node1201-A	×	\odot
Jobs							
`₩ Marketplace							
(c) Administration							
							1
							•
(?) Help Center						Cancel Previ	ous Next

NOTE: The fields for custom configuration appears only if the application allows any custom configuration else "*The selected Edge App does not require any custom configuration. You can proceed to next step*" message displays. Click [Next].

Dischweit Automotion	FT Edge Manager DanTest1201A				@ ~
Dashboard	< Back to Edge App Instances / Add Edge App I	nstance			
Edge Nodes	(1) Edge App & Edge Nodes	Edge App Instance Identity	3 Adapters & Networks	(4) Custom Configuration	(5) Review & Deploy
Edge App Instances	Configure settings for the Edge App Instance th	at are applied when the instance starts.			
Cluster Instances	The selected Edge App does not require any	custom configuration. You can proceed to the n	ext step.		
E Library					
Reports					
F Jobs					
Marketplace					
Administration					
					↓
(?) Help Center					Cancel Previous Next

Figure 3-50: Custom Configuration 2

6. On the Review & Deploy tab, review all the selected options and click [Deploy].

Figure 3-51: Review & Deploy

C Rockwell	FT Edge Manager RA Dei	mo Customer						(
② Dashboard	< Back to Edge App Instances	s / Add Edge App Instanc	e					
Î Edge Nodes	(1) Edge App & Edge	e Nodes	2 Edge App Instance Identity	3 A	lapters & Networks	(a) Custom Configuration	on	(5) Review & Deploy
Edge App Instances	Review selected Edge App &	Edge Nodes(s) before requ	esting deployment.				_	
Cluster Instances	Selected Edge App Bundle Drives	details summary: facto	rytalk_edge_gateway					
🖻 Library	Tag	Image	•	Encrypted	Purge		Mount Pat	h
Reports		() gw	1.0.0.rc3	Yes	Yes			
葬 Jobs	Resources							
😡 Marketplace	2	Memory 1.00 GB						
Administration	Selected Edge Node deplo	yment details.						
	Edge App Instance 🛧			Edge Node		Project		
	888			Node1201-A		DefaultEdgeGatewayPr	ojectPolicy	
	Showing 1 to 1 of 1 ent	ries				Records	per page 20	• K ← 1 → >
(2) Help Center							Ca	ncel Previous Deploy

- **NOTE:** You can click [Previous] to return to the previous tabs and edit or update the details.
- 7. The newly added Edge App appears in the list view and a toast message displays the status of deployment as shown in following image.

C Rockwell Automation	FT Edge Manager RA Demo Custom	er	The request to create ggg was success	Edge App Instance: ×			All Projects	•
) Dashboard	Jobs		888 was success	iony submitted.				
g Edge Nodes	Job Name	Created By	Job Start	job End ↓	Tasks	Job Status	Job Summary	
Bdge App Instances	sgg_create_382c49d6-6752-4c	ajit singn Brockwella	Mar 23, 2023 7:19 PM	Mar 23, 2023 7:19 PM	1	Failed	0 Accepted 1 Error 0 No Action requ	-
Cluster Instances	import-app-Azure-IoTEdge-1.0	ajit singn@rockwella	Mar 23, 2023 4:55 PM	Mar 23, 2023 4:55 PM	1	Completed	1 Accepted 0 Error 0 No Action requ	
Library	ggg_create_70f63e68+8bc9+46	ajit singn Srockwella	Dec 13, 2022 1:17 AM	Dec 13, 2022 1:17 AM	1	Completed	1 Accepted 0 Error 0 No Action requ	
	dx-test-20221201-c_create_63	can.xue∉rockwellau	Dec 02, 2022 5:08 AM	Dec 02, 2022 5:08 AM	1	Completed	1 Accepted 0 Error 0 No Action requ	
Reports	9e7e75ac-da1b-4259-a78c-b38	can.xue@rockwellau	Dec 02, 2022 3:27 AM	Dec 02, 2022 3:27 AM	1	Completed	1 Accepted 0 Error 0 No Action requ	-
Jobs	Showing 1 to 20 of 22 entries 1 S	elected				Reco	rds per page 20 • K < 1 2 •	х
Marketplace								
3 Administration	Job Name 888_create_382c49d6-6752-4cec-84c8 0bb	Job Type ef811e56e Deploy Ed;	ge Apps	Project -			Edge App -	
	0 Halted	0 Invalid	1 Initial	0 Downloaded	0 Verified	0 Insta	alled 0 Running	
	Related Edge App Instance 🛧	Related Edge Node	Task Sta	tus Current Edge A	pp Instance Softwa	ire Status		
	• 888	Node1201-A	Error	Initial				

Figure 3-52: Review & Deploy

NOTE: The Edge App Instances are sorted by their names. The colored dot indicates the Run State of the Edge Application.

Figure 3-53: Review & Deploy cont.

Dischwell Automation	FT Edge Manager RA Demo Customer		All Projects	•
Dashboard	Edge App Instances			+ Q
Edge Nodes	Edge App Instances Summary (3/3)			⊘
Edge App Instances	Run State Distribution Edge App Instance Type Dist	ribution		
Cluster Instances	Errer G initialized Total Suspect Total	 Virtual Machine Container 		
Library	Unknown Other	Module		
Reports	-			
Jobs	□ Name ← Type Edge App Version	Edge Node Project	CPU Memory Sto	rage
Marketplace	dan_test_1201-A Container sandbox_fteg N/A	Node1201-A DefaultEdgeGatewayProj	0% () 0% () 0%	
Administration	dx-test-20221201-c Container sandbox_fteg N/A	Node1201-C xdProject	0% 0% 0%	
	Sgg Container factorytalk_edge_gateway 1.0.0-pr	Node1201-A DefaultEdgeGatewayProj	0% 0% 0%	
	Showing 1 to 3 of 3 entries	Reco	rds per page 20 💌 K 🖣	1 → >

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Chapter

4

Administration & Maintenance

In this chapter:

- □ Manage Enterprise 60
- □ Manage Project 61
- □ Manage Roles 64
- □ Manage Users 68

Manage Enterprise

Perform the following steps to view the Enterprise details:

1. On the left panel, click [Administration], the Enterprise details displays under the Enterprise tab.

Figure 4-1: Enterprise Details

C Receiversition	FT Edge Manager RA Demo Customer			All Projects	•	A ~
② Dashboard		les Users Entitlements				
Edge Nodes	2 Details				Ø	
Edge App Instances	Identity					
Cluster Instances		Realms RA.rockwellautomation.com	Inherit Authentication Yes	Profile		
E Library	Description					
Reports	Customizations					
廷 Jobs		Product Name FT Edge Manager	Product Brand Color			
Marketplace						
Administration	Authentication Profile				Ø	
	Authentication Provider Local					

Update Enterprise

NOTE: Only admin users can update the Enterprise details.

Perform the following steps to update the Enterprise details:

- 1. On the left panel, click [Administration], the Enterprise details displays.
- **3.** Update the editable fields and click [Save].

Figure 4-2: Enterprise Update

_								_
	Automation	FT Edge Manager RA Demo Customer			All Projects	•	•)~
Ø	Dashboard	Enterprise Third Party Integrations Data Streams Projects I	Roles Users Entitlements					
Ĵ.	Edge Nodes	Details					1	Î
Ð	Edge App Instances	Identity						
24	Cluster Instances	Name RA Demo Customer	Realms * RA.rockwellautomation.com	Inherit Authentication Pr Yes	ofile			
6	Library	Description						
*	Reports							
5	Jobs	Customizations Product Logo	Product Name	Product Brand Color				
Å	Marketplace	C Restoured	FT Edge Manager	•				
0	Administration	Maximum Recommended Dimensions - (160x30 px) Supported Formatspng, .jpg, .jpg Maximum File Size - 1M8				1		
						Cancel Save		
		Authentication Profile				6	1	
		Authentication Provider						
0	Help Center	Local						-

Manage Project

Perform the following steps to view the Project details:

- 1. On the left panel, click [Administration].
- 2. Click the Project tab. The Project Summary and Project list displays.

Figure 4-3: Projects

C Rockwell Automation	FT Edge Manager RA Demo Customer	All Projects	
🕜 Dashboard	Enterprise Third Party Integrations Data Streams Projects Roles Users Entitlements		
Inge Nodes	Projects 2	+	Q
Edge App Instances	Projects Summary (1/1)		Θ
Cluster Instances	Projects Status Project Profile Distribution		
_	Inactive		
E Library	1		
Reports	Initialized Error		
Jobs			
Marketplace			
Administration 1		tance Policy Edge View Sessions	
	OefaultEdgeGatewayProjectPolicy Active Regular Accept by default Not Configured Configured	Not Configured	
	↑		
	1		

3. Select the Project from the list to view the details of the selected project.

Figure 4-4:	Enterprise	Update
-------------	------------	--------

C Restination	FT Edge Manager RA Demo Customer		All Projects	•	••	·~
Dashboard	< Back to Projects / DefaultEdgeGatewayProjectPolicy					*
Edge Nodes	Basic Info Events			0.	•••	
Edge App Instances	Details					
Cluster Instances	ld ec97a9cf-5020-4a6c-8229-86ae2f307606					
E Library		Title DefaultEdgeGatewayProjectPolicy				
Reports	Description Not Available					1
10ps	Profile Regular					
Marketplace						
Administration	Policies					
	Enforce Edge Node Attestation Yes					
	Network Instance Policy Configured					
	Status Ready 🚭					
		Network Instance Title Prefix PolicyNetworkInstanceLocal				
Help Center	Tags					•

Update Project

Perform the following steps to view the Project details:

- 1. Click the Edit [] icon on the particular tab that you want to edit or update.
- 2. Update the editable fields on the Info and Events tabs and then click [Save].

i igule 4-5.	Project Opuate				
Rectiveli Automation	FT Edge Manager RA Demo Customer		All Projects	•	AA ~
🕜 Dashboard	< Back to Projects / DefaultEdgeGatewayProjectPolicy				
≟∰ Edge Nodes	Basic Info Events			0	
Edge App Instances	Details				
Cluster Instances	ld ec97a9cf-5020-4a6c-8229-86ae2f307606				
E Library	Name DefaultEdgeGatewayProjectPolicy	Title * DefaultEdgeGatewayProjectPolicy			
Reports	Description				
Jobs	Project Description				
₩arketplace	Profile Regular				
Administration					
	Policies				
	Enforce Edge Node Attestation				

Figure 4-5: Project Update

The "Project: < Project name> has been updated." message displays.

Figure 4-6: Project Updated

O Rockmailer	FT Edge Manager RA Demo Custon	ner	Project: Defau	ItEdgeGatewayProjecti s been updated.	olicy ×		All Projects	• @
Dashboard								
Edge Nodes	Edge App Identifier factorytalk_edge_gateway		Sample Edge factorytalk_e	App Instance Name dge_gateway. <edge no<="" td=""><td>de Name></td><td></td><td></td><td></td></edge>	de Name>			
Edge App Instances	Staggered Start Delay 0 Second(s)							
Cluster Instances	Drives							
Library	Tag	Image		Encrypted		Purge	Mount Path	
		(j) gw-1.0.0.	rc3	Yes		Yes		
Reports	Resources							
Jobs	CPUs Memory							
₩arketplace	2 1.00 GB							
60 HILLING (1999)	Network Adapters							
Administration	Network Adapter Name	F	irewall Rules		Network Instand	ce Assignment Method	Match Network Instance Tag	
	eth0	E	dge App Configured	© 1	ag		PolicyNetworkInstance: Local	
	Edge View Policy No							
	Local Operator Console Policy No							

Delete Project

NOTE: You can delete the Project in both list view and detail view.

Perform the following steps to delete the Project:

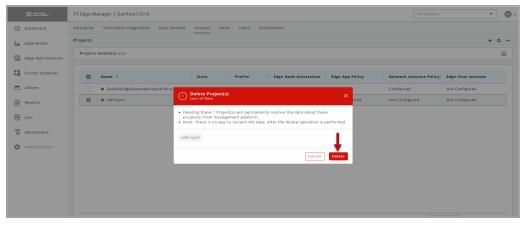
- 1. Select the checkboxes of the Project(s) that you want to delete.
- 2. Click the [...] icon on the top right corner and click [Delete].

Figure 4-7: Delete Project

Deckweil Automation	FT Edge Manager RA Demo Customer					All Projects	•
Dashboard	Enterprise Third Party Integrations Data Streams	Projects Roles	Users Entitle	ments			
Edge Nodes	Projects						+ Q -
Edge App Instances	Projects Summary (2/2)						Delete
Cluster Instances	■ Name ↑	State P	rofile	Edge Node Attestation	Edge App Policy	Network Instance Policy	Edge View Sessions
E Library	DefaultEdgeGatewayProjectPolicy	Active R	tegular	Enforce	Configured	Configured	Not Configured
Reports	 xdProject 	Active R	tegular	Accept by default	Not Configured	Not Configured	Not Configured
Jobs	1						
🕁 Marketplace							
Administration							

3. The 'Delete Project(s)' dialog displays, click [Delete].

Figure 4-8: Confirm Delete Project



4. The "*Project(s) are deleted successfully*" message displays and the Project is deleted from the list.

Manage Roles

A Role is an access privilege that can be assigned to Users. A role can be defined across activities such as Create, Monitor, Operate, and Remove (CRUD activities). The permissions are then applied to various objects such as Edge Node, Edge Applications, Users, and Enterprises.

Perform the following steps to view the Roles:

- 1. Click the Administration [6] icon on the top right corner.
- 2. Select the Roles tab, the list of the Roles displays.

Figure 4-9: Roles

O Rostennikan	FT Edge Manager RA Demo Customer	-
Dashboard	Enterprise Third Party Integrations Data Streams Projects Roles Users Entitlements	
Edge Nodes	Roles 2	+
Edge App Instances	🗌 Name + Scope: Projects Type Enterprise Permissions User Permissions Edge Node Permissions Edge App Permissions Edge App Instance	Permis
Cluster Instances	□ Administrator All Projects Custo + □ < @ + □ < @ + □ < @ + □ < @ + □ < @	
Library	□ administrator All Projects Custo + □ � ⑧ + □ � ⑧ + □ � ⑧ + □ � ⑨	
j closary	□ Administrator1 All Projects Custo_ + □ < ③ + □ < ◎ + □ < ◎ + □ < ◎ + □ < ◎ + □ < ◎	
Reports	□ contributor All Projects Custo + □ <> ⓐ + □ <> ⓐ + □ <> ⓐ + □ <> ⓐ + □ <> ⓐ	
Jobs	SysAdmin All Projects Defa + □ � @ + □ � @ + □ � @ + □ � @	
Marketplace	🗌 SystManager All Projects Defa + 🔍 👔 + 🖵 🔍 👔 + 🖵 🔍 👔 +	
Marketplace	□ Systemitor All Projects Defa + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □	
Administration 1	□ SysOperator All Projects Defa + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 + □ < 0 +	
Help Center	Showing 1 to 8 of 8 entries Records per page 20 • K 4	1 ⊩ ∋

3. Select the Role from the list to see the details of the selected role.

Figure 4-10: Roles Details

© fasteratu.	FT Edge Manager RA Demo Customer
② Dashboard	< Back to Roles / Administrator
Edge Nodes	Basic Info
Edge App Instances	Details
Cluster Instances	Name Title Administrator Administrator
Library	Description Not Available
Reports	Scopes & Permissions
Jobs	Projects Enterprise Permissions User Permissions Edge Nade Permissions Edge App Permissions Edge App Instance Permissions
🛱 Marketplace	
Administration	
Help Center	

Create Role

Perform the following steps to create a Role:

- 1. Click [Administration] on the left panel.
- 2. Click the Roles tab and then click the Add [+] icon on the top right corner.

3 → + tige App Instance Permis- + □ 4, 8 +
idge App Instance Permis + □ < 8 + □ < 8
+ 0 % 8 + 0 % 8 + 0 % 8 + 0 % 8
+ C & B + C & B + C & B + C & B
+ C & 8 + C & 8 + C & 8
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Figure 4-11: Create Role

- 3. Provide the input field values such as 'Name', 'Title', and 'Description.
- **4.** Select the 'Projects' to which this particular role has to be given access, along with the 'Permissions Template.'
- 5. Click [Add].

Figure 4-12: Add Permissions

	@ Asstoration	FT	Edge Manager RA Demo Cust	omer																								~
ø	Dashboard	<	Back to Roles / Add Role																									
Ĝю	Edge Nodes		Details																									
	Edge App Instances		Name Role Name						Title	. 2																		
82	Cluster Instances		Description Role Description																									
0	Library	3	Kole Description																									
ø	Reports		Scopes & Permissions (7) Select one or more Project(s) to	udd Sr	opes &	Perm	issions.																					
翔	Jobs		Projects*				missions	User	r Pern	nissio	ns	Edg	e Nod	e Pern	nissions	Edg	çe Ap	p Perm	issions	Ed	ge Ap	o Inst	ance	Permissions				
æ	Marketplace		All Projects	+	•	4	Û	+	Ţ	4	1	+	Ţ	45	8	+		~	Ē	+	Ģ	4	ß		O			
٥	Administration																									Cance	5 Add	i
0	Help Center																											

6. The "Role has been added" message displays and new role is added to the list.

Update Role

Perform the following steps to update the Role:

- **1.** Click [Administration] on the left panel.
- 2. Select the Roles tab, the list of the Roles displays.

	FT Edge N	lanager RA Demo	Customer																	All Projec	ts				•
) Dashboard	Enterprise	Third Party Integ	rations Data Streams	Projects	Ro	les	Use	s Entiti	emen	ts															
B Edge Nodes	Roles				e	2																			4
Bdge App Instances		Name 🕆	Scope: Projects	Туре	Ent	erpris	ie Per	missions	Use	r Per	missi	ons	Edg	e Nod	e Per	missions	Edg	e App	Perm	issions	Edg	e App	Inst	ince Pe	mis
Cluster Instances		Administrator	All Projects	Custo	+	Q	4	Î	+	Q	٩	Û	+	Ţ	2	Û	+	Q	4	Û	+	Q	4	Û	
Library		administrator	All Projects	Custo	+	₽	$^{\diamond}$	Û	+	₽	4	Û	+	Ţ	2	1	+	Q	4	Û	+	₽	4	Û	
		Administrator1	All Projects	Custo	+		4	Î	+	Ţ	S	Û	+	Ţ	S	Û	+	Ţ	4	Û	+	₽	\$	Û	
Reports		contributor	All Projects	Custo	+		4	Û	+	Ţ	4	Û	+	₽	4	Û	+	Ţ	4	Û	+	₽	4	Û	
Jobs		SysAdmin	All Projects	Defa	+	₽	\$	Û	+	₽	3	Û	+	Ţ	3	Û	+	Ţ	4	Û	+	₽	\$	Û	
Marketplace		SysManager	All Projects	Defa	+		4	Û	+	Ţ	4	Û	+	₽	4	Û	+	Ţ	4	Û	+	₽	4	Û	
		SysMonitor	All Projects	Defa	+		4	Û	+	Φ	4	Ť.	+	Φ	4	Û	+	Φ	4		+	Φ	4	Û	
Administration 🚺		SysOperator	All Projects	Defa	+		4	Û	+	\Box	4	Û	+	Ţ	S	Û	+	Ţ	Ś	Û	+	₽	\$	Û	

- Select the Role from the list that you want to update and click the Edit [//] 3. icon.

Figure 4-14: **Roles list**

۵ Zisthinit	FT Edge Manager RA Demo Customer
Dashboard	< Back to Roles / Administrator1
Êm Edge Nodes	Basic Info
Edge App Instances	Details
Cluster Instances	Name Title Administrator1 Administrator1
Elbrary	Description Not Available
C Reports	Scopes & Permissions
译 Jobs	Projects Enterprise Permissions User Permissions Edge Nade Permissions Edge App Permissions Edge App Instance Permissions
🕁 Marketplace	
Administration	
Help Center	

4. Update the editable fields and click [Save].

Figure 4-15: Update Role

Contention	FT Edge Manager RA Demo Customer	-	(() ~
② Dashboard	< Back to Roles / Administrator1		
Edge Nodes	Basic Info	0	°
Edge App Instances	Details		
Cluster Instances	Name Title * Administrator1 Administrator1		
🖻 Library	Description		
B Reports	Role Description		
Jobs 1	Scopes & Permissions		
🛱 Marketplace	Select one or more Project(s) to add Scopes & Permissions. Projects* Enterprise Permissions User Permissions Edge Node Permissions Edge App Permissions Edge App Instance Permissions		
Administration	All Projects × + □ ■ + □ ● ■ ●		
		Cancel	ave
Help Center			

Delete Role

NOTE: You can delete the Roles in both list and detail view.

Perform the following steps to update the Role:

- **1.** Click [Administration] on the left navigation panel.
- 2. Select the Roles tab, the list of the Roles displays.
- 3. Select the checkboxes of the Role(s) in the list which you want to delete.
- 4. Click the [...] icon on the top right corner and click [Delete].

Figure 4-16: Delete Role

) Dashboard	Er	nterprise	Third Party Integra	ations Data Streams	Projects	Ro	_	Use	rs Enti	tlemer	nts														
B Edge Nodes	R	oles					2																G		H Delete
) Edge App Inst	tances	•	Name +	Scope: Projects	Туре	Ent	erpri	se Pei	missions	Usi	er Per	missi	ons	Ed	çe Noc	le Per	missions	Edg	e App	Pern	nissions	Edg			nce Permis
Cluster Insta			Administrator	All Projects	Custo	+	Ţ,	4	8	+	Ţ,	4	Û	+	-	4	Û	+		4	Û	+		4	8
Library	3		administrator	All Projects	Custo	+	Ð	4		+		\$	Û	+	9	\$	Ð	+	P	4	Û	+	\Box	4	8
			Administrator1	All Projects	Custo	+			÷	+	Ð	\$	Û	+	Ţ	\$	Ð	+	P	4	Û	+	\Box	4	8
Reports			contributor	All Projects	Custo	+				+					\Box	4				4		+		4	
Jobs			SysAdmin	All Projects	Defa	+	Q	\sim	÷	+	Q	\$	Ð	+	P	\$	Û	+	\Box	4	Û	+	\Box	4) E
Marketplace			SysManager	All Projects	Defa	+		4	窗	+		4	Ē	+		\$	Û	+		\$	Û	+	\Box	\$) E
	_		SysMonitor	All Projects	Defa	+		4	÷	+		٩,	Û	+	\Box	٩,	Ē	+		4	1	+		٩,	6
C Administratio	en 🚹 👘		SysOperator	All Projects	Defa	+		4	8	+		4	10	+	\Box	\$	Û	+		\$	Û	+	\Box	٩	Ξ.

5. The 'Delete Role(s)' dialog displays, click [Delete].

Figure 4-17: Confirm Delete

	Automation	FT	Edge I	Manager Da	nTest	1201A																			4
3	Dashboard	Ent	erprise	Third Part	/ Integ	rations Data Strea	ims Pro	jects	Rol	es	Users	Enti	tlemen	ts											
	Edge Nodes	Rol	les																						
Ð	Edge App Instances		0	Name 🛧		Scope: Projects	Туро	e	Ente	erpris	e Perm	issions	Use	r Peri	nissio	ns		Edge	e Nod	le Per	missions	Ed	ge App	p Per	mis
24	Cluster Instances			Administrat	or	All Projects	Cust	to	+	Q	8		+	Q	Ż	Ŵ		+	Ţ	Ż	Û	+	Ģ	Z	ĩ
2	Library			administrat	or	All Projects	Cust	to	+	Q	es -	Û	+	Ţ	2,	Û		+	Ţ	2	Û	+	Ţ	Ľ	ĩ
	clorary			Administrat	or1	All Projects		te Role of Data	≊(s)										×	< 5	Û	+	Ţ	Z	1
-	Reports			contributor		All Projects														5			Ţ	Z	
	Jobs			SysAdmin		All Projects	 Deleting 1 managem Note: The 	nent pla	tform	n.										5	Û	+	Ģ	Z	1
æ	Marketplace			SysManager		All Projects	• Note: Ine	ere is no	o way	to re	ciaim tr	ie data,	atter t	ne dei	ete op	ieratio	n is p	ertor	mea.	5	Û	+	Ģ	Z	ĩ
56	marketplace			SysMonitor		All Projects	administra	ator	cont	ributo	r								L	5			Q		
Ċ:	Administration			SysOperato	r	All Projects														5			Ģ	Ľ	
																Can	cel	De	lete						
			Sho	wing 1 to 9 of 9	entrie	s 2 Selected Clear	- AU																Rec	ords	-
			5110		cherre																		Acc	0.35	1

Manage Users

Create User

Perform the following steps to create an User:

- 1. Click the Administration [[]] icon on the top right corner and select the Users tab.
- **2.** Click the Add [+] icon.

Figure 4-18: Add User

@ Estimat	FT Edge Manager RA Demo Customer	•
② Dashboard	Enterprise Third Party Integrations Data Streams Projects Roles Users Entitlements	
Edge Nodes	Users 2 3 € → + a	
Edge App Instances	Users Summary (3/3)	2
Cluster Instances	Full Name Username Base Enterprise Profile Type Role State Last Log In Last Log Out	
E Library	e ajit sirgherockwellautomation	
Reports	• E37.14.8 Prockwellautomation.c 037.14.8 Mar 23. 2023 3:4	
Jobs	Sandbox Service sandbox.servi ce@ra.rociwell.com Parent OAuth SysAdmin Act Jan 01, 1 5:53 AM Jan 01, 1 5:53 AM	
🕁 Marketplace		
Administration 1		
	Showing 1 to 3 of 3 entries Records per page $\begin{bmatrix} 20 & \bullet \end{bmatrix}$ $K \in 1 \rightarrow X$	
Help Center		

- 3. In the Identity section, provide the user-specific details.
- 4. Select the Role you want to assign to the user from the drop-down list.
- 5. Click [Add].

Figure 4-19:	Add User
--------------	----------

O Rockwedton	FT Edge Manager RA Demo Customer	@ ~
🕑 Dashboard	< Back to Users / Add User	
Edge Nodes	Identity 1	
Edge App Instances	First Name* Profile Type* First Name Last Name Lost Name Local	×
Cluster Instances	Username * Email *	_
E Library	Username Email Password Confirm Password	
Reports	******* Show Password Show Password	
Jobs		
🛱 Marketplace	Role 2	
Administration	Role * Select/Search Role •	
		3
		Cancel Add
(2) Help Center		

- 6. The "*User has been added*" message displays and User gets added to the users list.
- 7. You can click on any of the users in the list view to view the details of that user.

Update User

Perform the following steps to update user details:

1. Click [Administration] on the left navigation panel and go to the Users tab and then select the User from the user list.

Figure 4-20: Update User

C Internation	FT Edge Manager RA Demo Customer All Projects	- 🚳
② Dashboard	Enterprise Third Party Integrations Data Streams Projects Roles Users Entitlements	
Edge Nodes	Users 2	+ 9
Edge App Instances	Users Summary (2/2)	Θ
Cluster Instances	🗌 Full Name Username Base Enterprise Profile Type Role State Last Log In Last Log Out	
E Library	eljtsfgrårochne automation ajtsingrårockne automation.com Parent OAuth administrator Act Mar 23, 2023 314	AM
Reports	3 🗉 e cantous processor at conto, cantous processor at conto Parent OAuth SysAdmin Act., Mar 23, 2023. 414 Mar 22, 2023.	5:0
邫 Jobs	Saneocx Service Sandocx-Service (e8) randocx Biccini Parent OAuth SysAdmin Act Jan 01, 1 5:53 AM Jan 01, 1 5:53	AM
Marketplace		
Administration 1		
	Showing 1 to 3 of 3 entries Records per page 20 - K < 1	- F - H
Help Center		

2. Click the Edit [] icon, update the editable fields and click [Submit].

Figure 4-21: Edit User Details

Reconstition	FT Edge Manager RA Demo Customer
Dashboard Edge Nodes	Back to Users / Sandbox Service Back to Users / Sandbox Service Activity Logs
Edge App Instances	Identity
Cluster Instances	First Name Last Name Profile Type Sandbox Service QAuth
Eibrary	Username Email Mobile Number stridocister / c@ira.rockwell.com stridocister / c@ira.rockwell.com +1
會 Reports 西 Jobs	Locale Preferred Time Zone Activated Not Available Not Available Yes
₩ Marketplace	Created By Created At ctr:tdesteBrancokwell.com Oct 10, 2022 7/28 PM
Administration	Last Updated By Last Updated At sandbox.str/ ct@ra.rockwell.com Mar 23, 2023 11:34 AM
	Role
	Role SysAdmin
	Scopes & Permissions
	Projects Enterprise Permissions User Permissions Edge Node Permissions Edge App Permissions Edge App Instance Permissions
Help Center	

The "User :<username> has been updated." message displays.

Delete User

Perform the following steps to delete an user:

- 1. Click [Administration] on the left navigation panel and go to the Users tab.
- 2. Select the User from the user list that you want to delete.
- **3.** Click the [...] icon and click [Delete].

() Lotan	dien.	FT Edge	Manager RA Demo Customer							All Projects	•	•
Dashboar												
🖶 Edge Nod	es	Users 2										۹.
🗍 Edge App	pp Instances										Deactivate	
Cluster Ir	istances		Full Name		Username	Base Enterprise	Profile Type	Role	State	Last Log In	Delete	
Library			 ajit.singh@rockwel.automa 	tion	aj t.s.rgr@rockwellautomation.com	Parent	OAuth	administrator	Act	Mar 23, 2023 3:4	Jan 01, 1 5:53 AM	
Reports		3 🛛	e can xue@rockwellautomati	ar.c	dan.xue@rockwellautomation.com	Parent	OAuth	SysAdmin	Act	Mar 23, 2023 4:4	Mar 22, 2023 5:0	
Jobs			 Sanobox Service 		sandpox-serv.ce@ra.rockwell.com	Parent	OAuth	SysAdmin	Act	Jan 01, 1 5:53 AM	Jan 01, 1 5:53 AM	
→ Marketpl	sce											
Administr	ration 1											
		Sho	owing 1 to 3 of 3 entries 1 Selecte	ed Cle	ar All				Rec	ords per page 20		

4. The 'Delete User(s)' dialog displays, select [Delete].

Figure 4-23: Delete User

D Rectived	FT Edge Manager DanTest1201A	All Projects 👻									
② Dashboard	Enterprise Third Party Integrations Data Streams Projects Roles Users Entitlements										
Edge Nodes	Users	+	a								
Edge App Instances	Users Summary (3/3)										
Cluster Instances	🛢 Full Name Username Base Enterprise Profile Type Role :	State Last Log In Last Log Out									
🖻 Library		Act Mar 23, 2023 3:4 Jan 01, 1 5:53 AM									
Reports	e dan xue@rockwellautomation.c Delete User(s) Xumin	Act Mar 23, 2023 4:4 Mar 22, 2023 5:0									
] Jobs	Sandbox Service Deleting these 1 User(s) will permanently remove the data about these user(s) from management platform. Note: There is no way to reclaim the data, after the delete operation is performed.	Act Jan 01, 1 5:53 AM Jan 01, 1 5:53 AM									
🛱 Marketplace	dan.xue@rockwellautomation.com										
Administration	Cancel Order										
(2) Help Center	Showing 1 to 3 of 3 entries 1 Selected Clear All	Records per page 20 • K < 1 >>									

5. The "*User: <username> has been deleted.*" message displays.

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Rockwell Automation Support

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