IoT Platform Service Portal Operating Manual (Version 7.0_0)

<Revision History>

Version No.	Description	Date		
Version 1.0	First version	2016/10/07		
Version 1.1	rsion 1.1 Error corrections and supporting launch of IoT Platform on UK K5			
Version 1.2	Version 1.2 Error corrections (deleting definition of Customer ID, changing definition of Tenant ID, changing title of this manual and			
	other related documents)			
Version 1.2	Correction of cross reference error	2017/01/12 Internal Version (Not		
Version 4_1.0	 4_1.0 1.5 Added Windows 10 to the user environment. Removed Windows 8. 4.6 Added note on resources used for resource collection. 4.7 Added access code permissions (G, P). Added sections on specifying an access protocol and client certificate settings. 4.9 Segmented usage log output items. 			
Version 4_1.1	 4.13 Added section on the certificate generator function. 4.14 Added CORS settings and error collection settings to the section on common settings. Added note that screen images showing functions scheduled to be provided from July 2017 were dummy images. 	Internal Version (Not published)		
Version 4_2.0	Deleted all other notes on functions to be provided from July 2017 other than the images.	2017/4/24		
Version 4_2.1	Replaced images 4.10.4. Corrected description provided for changing users.	2017/6/1		
Version 5.0_0	Changed Version No. only.	2017/10/20		
Version 5.1_0	Changed Version No. only.	2018/3/17		
Version 7.0_0	4.7.5 Added note regarding access code controlling when 101 or more resources linked to one access code.	2018/9/15		

Preface

Thank you for considering the "IoT Platform". This "IoT Platform Service Portal Operating Manual (hereafter, this manual)" is intended for customers considering or implementing this service. We ask for your understanding with regarding the following matters.

1. Customers considering this service are kindly requested to utilize this manual to assist in making their decision to implement this service only.

- 2. This manual and the contents therein are not to be disclosed or provided to any third parties.
- 3. Copying or reproducing the contents of this manual without the permission of the provider is prohibited.

This manual contains important information to be used in implementing this service. Customers signing up to a service contract are asked to thoroughly read this manual prior to using this service. Please handle this manual with care and store it in a safe place.

Customers opting to not use this service are responsible for promptly disposing of this manual.

*Windows and Internet Explorer are trademarks or registered trademarks of Microsoft Corporation in the United States of America and other countries.

The contents of this manual may change without notice due to changes to the specifications of this service provided.

Disclaimers

- We do not accept any responsibility for unexpected malfunctions or for unforeseen charges occurring due to the user performing operations not listed in this manual of this service.

- We do not accept any responsibility in the unlikely event that the use, or inability to use, this service causes damage to the user (including, but not limited to, damages caused by a suspension of work, damage to/loss of data, or accident-related damages, and including the potential for liability claims from a third party).

<Terms> lacksquare

Term	Description	Notes
IoT	An abbreviation of "Internet of Things"	
	This refers to "things" connected to a network via an Internet protocol	
	(Internet language)".	
REST	An abbreviation of REpresentational State Transfer	
	This refers to a software design format where design principles optimized	
	for linking multiple software instances are adapted for the web.	
	*A caller interface (referred to as a "RESTful API") sends messages written	
	in XML to a specific URL via HTTP(s).	
	When using this service, replies are sent back in JSON format, not XML.	
MQTT	An abbreviation of Message Queuing Telemetry Transport	
	MQTT is a light communications protocol on the TCP/IP network suited to	
	frequently sending and receiving short messages between multiple	
	subjects. The use of MQTT is now very common in M2M networks and the	
	IoT (Internet of Things) field. At a minimum the header is only two bytes	
	in size, significantly reducing the amount of communications traffic, CPU	
	load and energy consumption required, compared to sending the same	
	communications via HTTP.	
Dynamic resource	Dynamic Resource Controller	
controller (DRC)	Provides distributed control processing based on proprietary wide-area	
	distribution technologies. This function assists in the optimal collection of	
	data from a limited number of resources based on traffic fluctuation	
	during data collection.	
Resources	The collection unit for IoT data	
Resource data	One piece of data	
Access codes	Authorization information for resources	
CORS	Meaning Cross-Origin Resource Sharing.	
	Web server determines a controlling method to cross-domain access,	
	enabling safe communications between domains.	

- Contents -	
Chapter 1 Introduction	
1.1 Purpose of this Manual	
1.2 Available Documents	
1.3 Features	8
1.4 Preparations Required for the Customer	8
1.5 User Environment	
Chapter 2 IoT Platform	
2.1 What IoT is all about	
2.2 Service Overview	
2.2.1 Data Collection	
2.2.2 Event Function	
2.2.3 Access Restrictions	
2.2.4 Dynamic Resource Controller	
2.2.5 Service Portal Functions	12
Chapter 3 Definitions and Concepts Of This Service	
3.1 Tenant ID	13
3.2 User	13
3.3 Resources	13
3.4 Transferring data with Resource(Transfer)_JSON	
3.5 Access Codes	15
3.6 Events	16
3.6.1 Judgment Conditions	16
3.6.2 Actions after an event is Detected	16
3.6.3 Cancel Event Settings	17
3.7 Writing Data	18
3.8 Referencing Written Data	19
3.9 API	20
3.9.1 HTTP REST Interface	20
3.9.2 MQTT Interface	22
3.10 Access Restrictions	23
3.11 Dynamic Resource Controller (DRC)	24
3.12 ID and Password for MQTT Connections	
3.13 Regions and Times	
3.14 Languages	25
3.15 Client Certificate	25
3.16 CORS	25
Chapter 4 Screen Descriptions	26
4.1 Basic Settings Procedure	
4.2 Using CSV Files	27
4.3 Login Screen	27
4.4 Selecting Tenant	29
4.4.1 Editing Comments	29
4.5 Home Screen	30
4.5.1 Main Screen	30
4.5.2 Select a Tenant ID	30
4.5.3 Select Password Change	
4.5.4 Language Settings	
4.5.5 Select Version Information	
4.5.6 Select Operating Manual	32
4.5.7 Logging Out	

4.6 Re:	source Screen	
4.6.1	Add All Resources	
4.6.2	Add Resources	
4.6.3	Downloading Resources	
4.6.4	Searching for Resources	
4.6.5	Changing Resource Settings	
4.6.6	Delete All Resources	
4.7 Acc	cess Code Screen	
4.7.1	Batch Add Access Codes	
4.7.2	Adding Access Codes	
4.7.3	Searching for Access Codes	
4.7.4	Downloading Access Codes	
4.7.5	Changing Access Code Settings	
4.7.6	Batch Delete Access Codes	54
4.8 Eve	ent Screen	55
4.8.1	Add Events (Judgement Settings)	57
4.8.2	Add Events (Action Settings)	
4.8.3	Searching for Events	
4.8.4	Changing Event Settings	
4.8.5	Batch Deleting Events	
4.9 Log	g Screen	
4.9.1	Usage Screen	
4.9.2	Operation Log Screen	
4.9.3	Usage Log Screen	
4.9.4	System Log Screen	
4.10 Us	er Screen	73
4.10.1	Adding Users	73
4.10.2	Changing Password	75
4.10.3	Searching for Users	75
4.10.4	Changing Users	76
4.10.5	Batch Deleting Users	77
4.11 Acc	cess Control Screen	
4.11.1	Service Portal Access Control Screen	
4.11.2	Access Code - Access Control Screen	
4.12 Dis	tribution Screen	
4.12.1	tps/bps Distribution Settings Screen	
4.13 Ge	nerate Certificate Screen	101
4.13.1	Generate Certificate Screen (Create New Certificate)	101
4.13.2	Create Certificate (Certificate Signature)	103
4.14 Co	mmon Screen	105
4.14.1	MQTT Screen	105
4.14.2	CORS Setting Screen	
4.14.3	Error Correction Setting Screen	
Chapter 5	Example of Settings Using the Service Portal	
5.1 Sai	mple Data	
5.2.1	Login	
5.2.2	Add Resources	
5.2.3.	Generate Certificates	
5.2.4.	Add Access Codes	
5.2.5.	Integrating APIs into the Application	
5.2.6.	Event Function (Email) Settings	118

5.2.7.	Email Receipt Confirmation When an Event (Email) Occurs	124
5.2.8.	Event Function (Call API) Settings	124
5.2.9.	Access Control Settings	129
5.2.10.	Distribution Settings	132
5.2.11.		
5.2.12.	CORS settings	136
5.2.13.	Error Collection Settings	
Chapter 6	List of Error Messages	139
Chapter 7	Appendix	152
7.1 No	tes on the CSV Format	152
7.1.1	Overview of the CSV Format Used for Resources	152
7.1.2	Overview of the CSV Format Used for Access Codes	154
7.2 No	tes on the Sorting Policy	155
7.3 Eve	ent Function Notification Messages	157
7.4 Ca	utions When Accessing the Login URL	158

Chapter 1 Introduction

1.1 Purpose of this Manual

This manual describes the operations of the web interface (hereafter, Service Portal) when using the IoT Platform service (hereafter, this service).

1.2 Available Documents

The following documents are available concerning the use of this service.

Manual name	Description		
IoT Platform Service Details Instruction Manual	Describes service specifications.		
IoT Platform Service Portal Operating Manual	A manual describing the Service Portal.		
	(This manual)		
IoT Platform User Guide	A manual used to support API usage during application		
	design with this service, including specific examples.		
IoT Platform API Reference	An API reference manual used for application design using this service.		

1.3 Features

Configuring settings from the web

You can configure settings to use this service via your web browser.

Configuring settings from the Internet

You can configure settings regarding this service from anywhere provided you have an Internet connection.

Configuring settings from various devices

You can configure settings regarding this service from not only desktop PCs but also the devices including tablet PCs.

Configuring settings regarding the collection and browsing of data

You can configure the default settings regarding the collection and browsing of data provided with this service. Configuring these settings will allow you to connect to devices compatible with the general work application using REST (HTTPs) and/or MQTT(s) protocols.

1.4 Preparations Required for the Customer

A customer user ID and password is required to utilize this Service Portal. You will be notified of this information after service contract. The following information is required to log in.

- Service Portal URL
- Customer and Tenant ID
- Service Portal user ID
- User ID password (initial)

1.5 User Environment

Please prepare the following operating environment for accessing the Service Portal.

- Connection to the Internet

- A terminal to be connected to the Internet

	ltem	Requirements	Notes
1	Compatible OS	Windows 7 SP1 (32 bit version, 64 bit version) Windows 8.1 (32 bit version, 64 bit version) Windows 10 (32 bit version, 64 bit version)	Only available in Japanese and English on Windows
2	Browser	Internet Explorer 11	
3	Screen size	PC: 1024×768 or higher (recommended) Tablet devices: 1920×1200 or higher	

Table 1.5. Tested user environments

Chapter 2 IoT Platform

2.1 What IoT is all about

IoT refers to utilizing the vast amounts of information gained from people and things, connected to the Internet, in the creation of new services benefiting from the information and knowledge provided.

2.2 Service Overview

A customer specific area will be setup in our cloud service to use this service. You can apply to have multiple tenants within a customer area.

2.2.1 Data Collection

Users create "resources", which serve as units of registered data within the tenant. "Access codes" granting permissions to the resource must be created and assigned to the resource.

Access codes are utilized by the API to approve and run the requests the access code corresponds to. <Permission types>

C: Permission to create resources, access codes, etc.

- R: Permission to reference (read) data
- U: Permission to register (update) data
- D: Permission to delete resources, access codes, events, etc.
- L: Permission to acquire a list of resources, access codes, events, etc.
- G: Permissions to refer to all resources under the resource
- P: Permissions to update and delete all resources under the resource

2.2.1.1 Data collection preparation

Most operations can be performed from the Service Portal, or with the API.

*API operations can only be performed for "resources", "access codes", and "events".

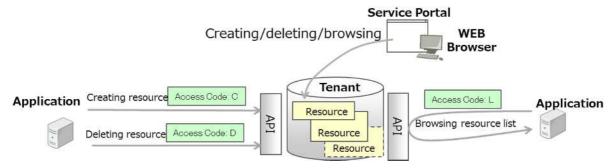


Figure 2.2.1.1 Managing resources

2.2.1.2 Collecting and using data

Data can be registered and browsed with an API.

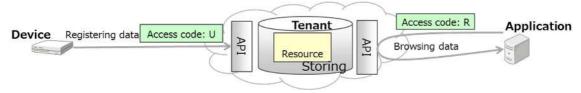


Figure 2.2.1.2-1 Storing data

Data can be transferred to other services without the need to store the data with this service.



Figure 2.2.1.2-2 Transferring data

2.2.2 Event Function

Set conditions to extract data as events to perform actions when extraction conditions are met based on data registration/update triggers. These actions can be configured to send email notifications, or start up a specific API.

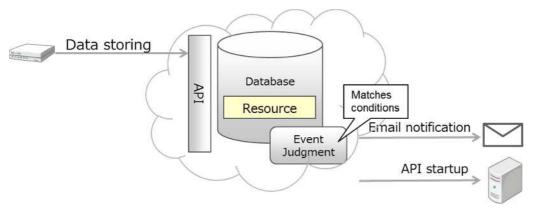


Figure 2.2.2 Event functionality

2.2.3 Access Restrictions

Restrictions can be set for IP addresses accessing this service.

You can restrict access to resources by adding access restrictions to both the Service Portal and access codes.

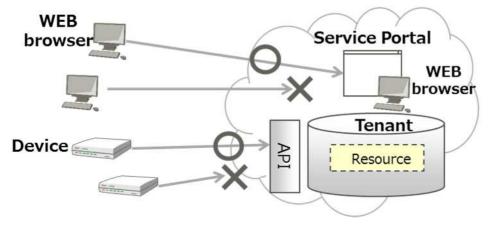


Figure 2.2.3 Access restrictions

2.2.4 Dynamic Resource Controller

This provides recommend resources (recommendations) for use during data collection as a means of controlling data collection based on cloud load. This allows data collection to be optimized (ex: distributed filtering) based on the level of IT resources available to the customer.

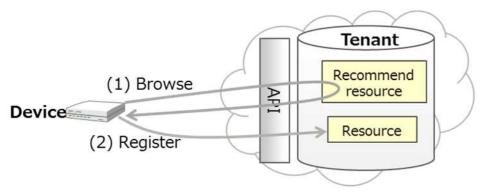


Figure 2.2.4 Dynamic resource controller

2.2.5 Service Portal Functions

Functions provided with the Service Portal are as follows.

	Management	Content	Notes
	function		
1	User account	- Add and delete accounts for Service Portal use	Refer to Chapter
		- Reissue passwords	3.2 and 4.10
2	Resources	- Add/change/delete resources, batch add	Refer to Chapter
		- Display/search/download resource lists	3.3 and 4.6
3	Access codes	- Add/change/delete access codes, batch add	Refer to Chapter
		- Display/search/download access code lists	3.5 and 4.7
4	Events	- Add/change/delete events	Refer to Chapter
		- Display/search events	3.6 and 4.8
5	Logs	- Display/search/download the customer search portal use history	Refer to Chapter
		- Display monthly use summaries	
		- Display monthly usage amount screens	
		- Download timestamped use logs	
		- Display system log screens	
6	Access	- Add/change/delete IP addresses from which the Service Portal can	Refer to Chapter
	restrictions	be accessed	4.11
		- Add/change/delete IP addresses associated with an access code	
7	Distribution	- Enable/disable the distribution control function	Refer to Chapter
	settings	- Configure the load status calculation cycle, and the recommend	4.12
		cycle	
		- Configure load status acquisition resources	
		- Configure recommend resources	
		- Add/change/delete edge computing conditions	
8	Client	- Generate client certificates	Refer to Chapter
	certificate		14.13
9	Common	- Configure MQTT passwords	Refer to Chapter
	settings	- Configure CORS	14.14
		- Configure error correction	

Table 2.2.5 Service Portal Menu

Chapter 3 Definitions and Concepts Of This Service

This chapter describes the definitions used for and concepts of this service.

3.1 Tenant ID

A unique code used within this service to identify tenants within a customer area.

3.2 User

This is the administrator at the customer's company responsible for managing tenants included in the contract. Users can be created freely from the Service Portal. User operating permissions are shared by all users, allowing use to all of the Service Portal functions described in this manual.

[Note] Relationship between tenants and users

The relationship between tenants and users is as follows.

- Users can access all tenants under the same customer identifier.
- Users cannot access tenants under a different customer identifier.

FUJITSU Cloud Service IoT Platform		
Customer's Tenant	Custom Access adminis allowed	
Tenant A	Access not allowed	
Tenant B	Cannot access tenants under another company.	
Tenant C	\mathbf{O}	

Figure 3.1 Tenants and users

3.3 Resources

This service defines "resources" as "spaces used for the collection of data".

This service manages resources in "resource paths", which are structured in a similar manner to directories and files.

-	Configurable range of resource path setting	Resource path
Tenant ID 123456JP01	- A-office - Printer1	A-office/Printer1
1234303601	Printer2	A-office/Printer2
	Printer2	A-office/Printer3
		A-office/Printer4
	Printer4	
	Printer5	A-office/Printer5
	- B-office — Printer _ toner	B-office/Printer/toner
	paper	B-office/Printer/paper
	C -office $-$ Printer1 $_{T}$ toner	C-office/Printer1/toner
	paper	C-office/Printer1/toner
	Printer2 _ toner	C-office/Printer2/toner
	- paper	C-office/Printer2/paper
		ak alauna ia
	In above diagram ea example of a res	

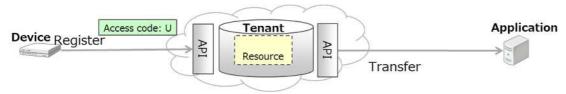
Figure 3.2 Resource Path Example

Resource paths are structured in the following manner.

- Each resource path within the same tenant is unique
- Resource paths are named with any given character string of up to 128 characters

3.4 Transferring data with Resource(Transfer)_JSON

This service allows for the creation of (transfer) resources to store data on other services, without storing data within this service. As with regular resources, resources (transfer) are controlled by "resource path", and these resource paths have the same specifications as that for regular resources, with the exception of the unique character string (_fwd) added to the beginning of the resource path.



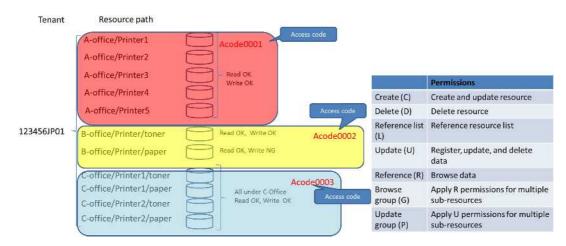




3.5 Access Codes

This service allows you to configure permissions (access codes) for the use of data within a resource in order to prevent use by unspecified persons. You can assign permissions to register, update, delete and list resources (CDL), permissions to register data (U) and reference data (R), and permissions to list (L) resources via an API, for each resource. By setting U permissions, users can register, update and delete data, and by setting R permissions, users can reference data. Assigning L permissions enables users to reference resources in a resource list. By setting CDL permissions, users can register, update and delete resources, register and delete access codes for resources, and register and delete events for resources, in addition to actions allowed with L permissions. By setting G permissions, users can refer to data for all resources under the resource. By setting P permissions, users can register, update, and delete data for all resources under the resource.

You can write data to a resource and reference data in a resource by adding access codes to an API call from the customer's application.



Refer to the "IoT Platform User Guide" for more information.

Figure 3.4 Relation between resource and access code

In the above example: OK indicates the right/permission is granted, while NG indicates "Not Granted"

Access code specifications are as follows.

- All access codes within the same tenant are unique

- Access codes must be added after the resource has been added. Access codes cannot be added without adding a resource

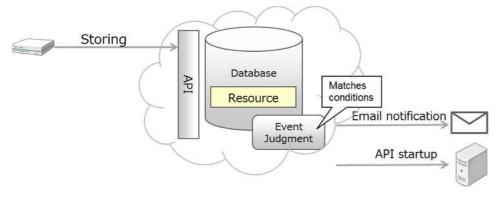
- Permissions for multiple resources can be configured with a single access code
- Access code values can be set freely by the customer

You can set access codes for resources (transfer) in a similar manner to regular resources. You can use a resource (transfer) to transfer data by adding access codes to an API used to call data from the customer's application. U or P permissions are required to use a resource (transfer) to transfer data. Resources (transfer) cannot be accessed when only R or G permissions have been granted.

Refer to the "IoT Platform User Guide" for more information.

3.6 Events

This service can use an event function to perform actions when there is a change in the data.







3.6.1 Judgment Conditions

The judgment conditions for events set by this service's event function are as follows.

1 . When data is written for the specified resource

2. When the system detects that the status of written data in the specified data position(*) changes to one of the following statuses

Character string

- Perfect match with set character string
- Contains set character string
- Numerical values
- Value found in the data > Set value
- Value found in the data Set value
- Value found in the data = Set value
- Value found in the data Set value
- Value found in the data < Set value

(*) The data position is specified in JSONPath format.

You can also set a time range for detecting statuses 1. and 2. described above.

The system judges an event to have occurred when the conditions for status 1. or 2. described above are met within the time range specified (when time ranges are used).

ANote

Judgment conditions cannot be specified when the resource data is in a binary format.

3.6.2 Actions after an event is Detected

The possible actions after an event is detected with this service's event function are as follows.

1. A notification is sent to the specified email address.

2. The specified REST API is called.

3.6.3 Cancel Event Settings

You can select between having this service's event function continue or invalidated after initial trigger, even when status continues to meet the event criteria. The "continue to judge events" setting is configured by default. With this default setting, if an event judgment setting is validated when the temperature reaches 30 degrees centigrade or more, as long as the temperature remains at (or above) 30 degrees centigrade, the system will continue to judge this as an event.

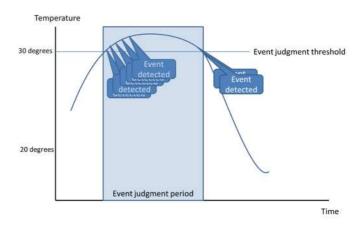


Figure 3.6. Actions when an event is detected

Continuing to have the system perform actions may not be ideal in situations that are "collecting constantly changing data at short intervals" - such as when collecting data at the above-mentioned temperature - as the state where the threshold is exceeded will continue to persist. "Cancel event settings " can be configured to prevent this by disabling the event judgment function once an event is detected.

[E.g.]

The case below shows an example of the following event settings:

- Judge events when temperatures reaching 30 degrees centigrade and over or more

- Cancel events when the temperature drops to 20 degrees centigrade or below

In this instance, while a temperature that reaches 30 degrees centigrade is initially detected as an event, this will disable the event judgment function while the temperature remains at 30 degrees centigrade following this, meaning that further events will not be detected even if a state of 30 degrees centigrade or more persists. Further, as event judgment functionality will no longer be disabled once the temperature drops to 20 degrees centigrade or below, events will start being detected again from this point. The figure below presents this as an image.

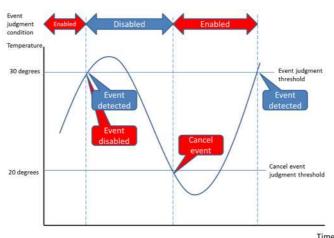


Figure 3.7. Relationship between event judgments and disabled events

- *Do not perform cancel event settings for the following cases.
- When you intend to set data writing for a specific resource only as the target of event judgments
- When you intend to set same content data writing for data within a resource as the target of event judgments

3.7 Writing Data

You can write data using this service by adding a resource. The general procedure for writing data is as follows.

- 1. Use the Service Portal or an API to add a resource. (Step (1) in the figure below)
- 2. Use the Service Portal or an API to grant access permissions for the resource. (Step (1) in the figure below) You will be able to write data by granting writing permissions for the resource.
- 3. Add an API call to the application to write data to the resource. (Step (3) in the figure below) Refer to the "IoT Platform User Guide".
- 4. Write data to this service by calling the API used to write data to the resource from the application. (Step (4) in the figure below)

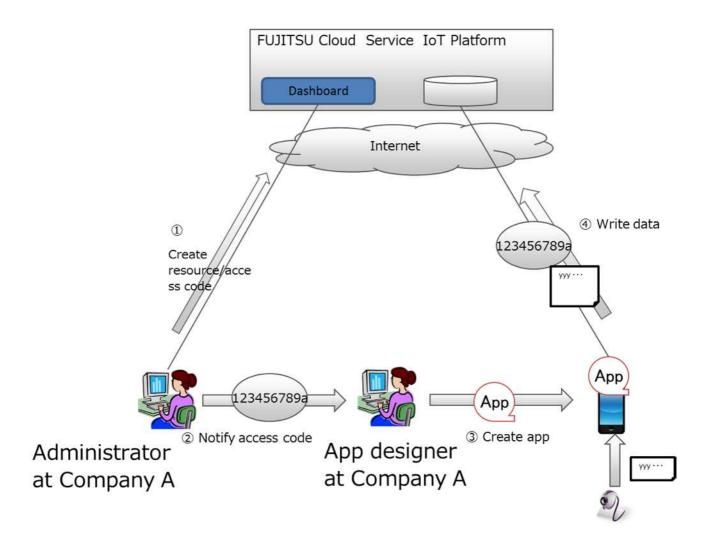


Figure 3.8. Steps taken to write data

3.8 Referencing Written Data

This service can be used to reference data written using the steps outlined in Chapter 3.8. You can also specify which data to reference by setting search conditions. The general procedure for referencing data is as follows.

1. Add an API call to the application you prefer to use for referencing resource data. Reference permissions must be set for the corresponding resource when the access code is set. Refer to the "IoT Platform User Guide" for more information.

2. You can reference data from this service by calling APIs used to reference data written to a resource from the application.

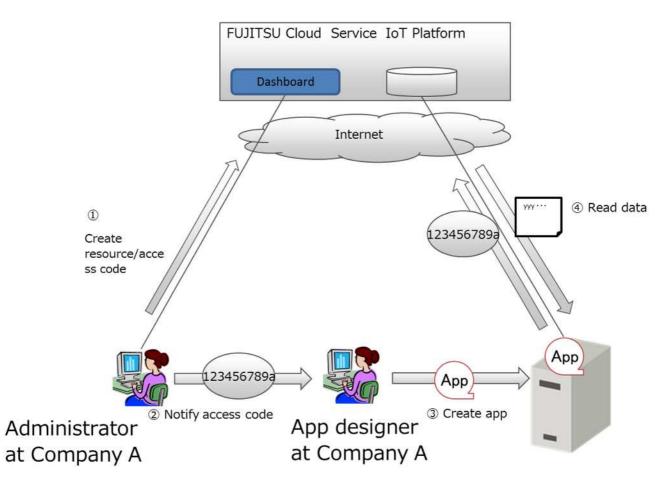


Figure 3.9. Steps to reference data

3.9 API

APIs enabling users to interact with resources, access codes, events, and the data in a resource have been made available with this service.

Refer to the "IoT Platform User Guide" for more information.

3.9.1 HTTP REST Interface

Compatible with http and https.

The interface provided is described below.

Data groups within a resource are written as resource data.

Table 3.9.1 REST Interface (IF) list

- Resource related

	Operation	Option	Method	Relation to
			name	access code
1	Register resource	-	POST	Permitted with C
2	Referencing Resource	Specify field to acquire	GET	Permitted with L
	Metadata	Specify number of acquired data items		
3	Updating Resource	-	PUT	Permitted with C
	Metadata			
4	Delete resource	-	DELETE	Permitted with D

- Resource data related (if the data format is JSON)

	Operation	Option	Method name	Relation to access code
1	Registering resource data	Registration timestamp RETAIN flag Bulk Insert flag	PUT	Permitted with U Permitted to all resources with P
2	Browsing resource data	Specify field to acquire	GET	Permitted with R Permitted to all resources with G
3	Retrieving resource data	Specifying time/date Specifying the range of times/dates Specify field to acquire Specify number of acquired data items	GET	Permitted with R Permitted to all resources with G
4	Updating resource data	Registration timestamp after update	PUT	Permitted with U Permitted to all resources with P
5	Deleting resource data	Specifying time/date Specifying the range of times/dates	DELETE	Permitted with U Permitted to all resources with P

ANote

The following restrictions apply to resources (transfer).

- Only PUT method support provided. GET and DELETE are unavailable for use.

- U permissions must be granted to access resources. Users with only R permissions cannot access said resources.

- The binary data format cannot be used.

- Resource data related (if the data format is binary)

	Operation	Option	Method	Relation to
			name	access code
1	Registering resource data	Registration timestamp	PUT	Permitted with U
				Permitted to all
				resources with P
2	Browsing resource data	-	GET	Permitted with R
				Permitted to all
				resources with G
3	Retrieving resource data	Specifying time/date	GET	Permitted with R
		Specifying the range of times/dates		Permitted to all
		Specify number of acquired data items		resources with G
4	Deleting resource data	Specifying time/date	DELETE	Permitted with U
		Specifying the range of times/dates		Permitted to all
				resources with P

Note

Binary resource data cannot be updated.

Memo

This section provides an explanation of resource-related and resource data-related options that can be specified.

- Registration timestamp

Specify the data and time data is registered. When left blank, this will be set to the date and time the service receives a request.

- RETAIN flag

Specify whether to retain the registration data on the MQTT broker side.

- Bulk Insert flag

Specify whether or not to run a bulk insert(*).

*Data registered with multiple JSON objects in a JSON array will be stored and managed as separate data items.

- Specify time/date

Specify the target to be retrieved/deleted by date and time.

- Specifying the range of times/dates
- Specify the target to be retrieved/deleted by a range of times/dates.
- Specify field to acquire
- Specify the field to acquire. Only fields specified will be acquired.
- Specify number of acquired data items

You can specify the number of items to acquire, and the number of data items retrieved as search results to skip.

The maximum number of items that can be acquired at once is 1,000.

- Registration timestamp after update

Update the data registration timestamp at the date and time specified.

Option

- Access code-related

Operation

Method Notes

				name	
1	Register access code		-	POST	
2	Reference access	code	Specify resource path	GET	
	information		Specify number of acquired data items		
3	Update access	code	-	PUT	
	information				
4	Delete access code		-	DELETE	

Memo

This section provides an explanation of access code-related options that can be specified.

- Specify resource path

Specify the resource path for resources corresponding to the access code to be referenced as a condition, and return only those access codes that meet the conditions set as search results.

- Event-related

	Operation	Option	Method name	Notes
1	Register event	-	POST	
2	Reference event	Specify event ID Specify number of acquired data items	GET	
3	Update event	-	PUT	
4	Delete event	-	DELETE	

Memo

This section provides an explanation of event-related options that can be specified.

- Specify event ID

Specify the event ID for events to be referenced as a condition, and return only those events that meet the conditions set as search results. When omitted, all events pertaining to the tenant will be search targets.

3.9.2 MQTT Interface

Compatible with MQTT and MQTTS. The interface provided is described below. Data groups within a resource are written as resource data.

Table 3.9.1 MQTT Interface (IF) list

- Resource data	related	(if the data	format is JSON)
nesource data	related	in the data	1011110115 30011

	Operation	Option	Control Packet name	Relation to access code
1	Registering resource data	Registration	PUBLISH	Permitted with U
		timestamp		Permitted to all
				resources with P
2	Browsing resource data	-	SUBSCRIBE	Permitted with R

	+PUBLISH(*)	Permitted	to	all
		resources wit	:h G	

- Resource data related (if the data format is binary)

	Operation	Option	Control Packet name	Relation to access code
1	Registering resource data	-	PUBLISH	Permitted with U
				Permitted to all
				resources with P
2	Browsing resource data	-	SUBSCRIBE	Permitted with R
			+PUBLISH(*)	Permitted to all
				resources with G

(*) PUBLISH from this service after SUBSCRIBE from the client (cannot be specified as an option)

Memo

- Registration timestamp

Specify the data and time data is registered. When left blank, this will be set to the date and time the service receives a request.

3.10 Access Restrictions

Restrictions can be set for IP addresses accessing this service.

You can restrict access to resources by adding access restrictions to both the Service Portal and access codes.

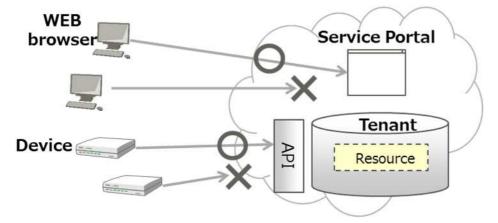


Figure 3.10. How access restrictions work

3.11 Dynamic Resource Controller (DRC)

This service uses the dynamic resource controller (distributed control) function (hereafter, DRC) to enable the use of proprietary overall optimization technologies (distributed service platform technologies) of Fujitsu to collect data generated from sensors and other devices to ensure efficient and stable data collection even when fluctuations in data traffic, etc. are experienced.

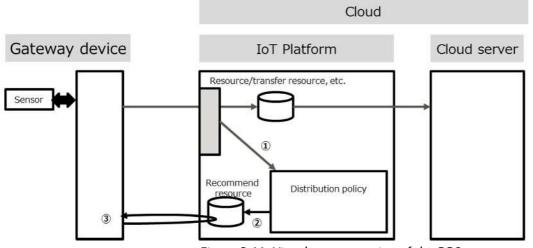


Figure 3.11. Visual representation of the DRC

This service collects service load information and compares these values with conditions set by the customer (edge computing conditions) to provide recommendations to the customer. Customers can develop applications to optimally collect data within the IT resources available using these recommendations. The process flow for using the DRC is as follows.

The distribution policy is used to monitor the load placed on this service. Recommend resources are flagged as recommended based on a pre-defined distribution policy. Processes are modified based on the rewritten recommend resources.

The gateway device, cloud solution and sensor shown in the diagram shall be prepared by the customer. This enables processes to be modified based on system load, allowing for stable system operation.

3.12 ID and Password for MQTT Connections

- MQTT connection account

The tenant ID is used as the account (ID) for using MQTT.

- MQTT password

The MQTT password policy is as follows. (note: MQTT password can be set and changed within the service portal)

<Definition>

Usable character types	At least one of each of the following four character types must be used.
	Upper and lower case alphabetical characters, numbers, symbols (eight
	symbols: #,@,-,(,),:,.,_)
No. of characters	8 to 12
Period of initial password	No limit
validity	
Period of password validity	No limit

3.13 Regions and Times

- Regions

This service can be used in multiple regions.

Users can ascertain which region is active for the system they are logged into from the region code displayed next to the tenant ID at the top of the Service Portal screen.

- System times, on-screen dates and times and API dates and times

System times for this service are set to Coordinated Universal Time (UTC), regardless of which region the service is provided. Date and time information and log output times displayed on the Service Portal screen, and times specified with an API are all displayed, output and specified, based on system times.

3.14 Languages

Users can select the language in which item names, messages, etc. appear on the Service Portal screen, choosing from Japanese or English.

Language settings are saved when creating/modifying users and when users change language settings by themselves. The Service Portal screen will automatically appear in the language set when next logging in.

3.15 Client Certificate

In this service, users can set the client certificate as an authorization function to access to the access code. You can generate the certificate on the screen of the Service Portal.

3.16 CORS

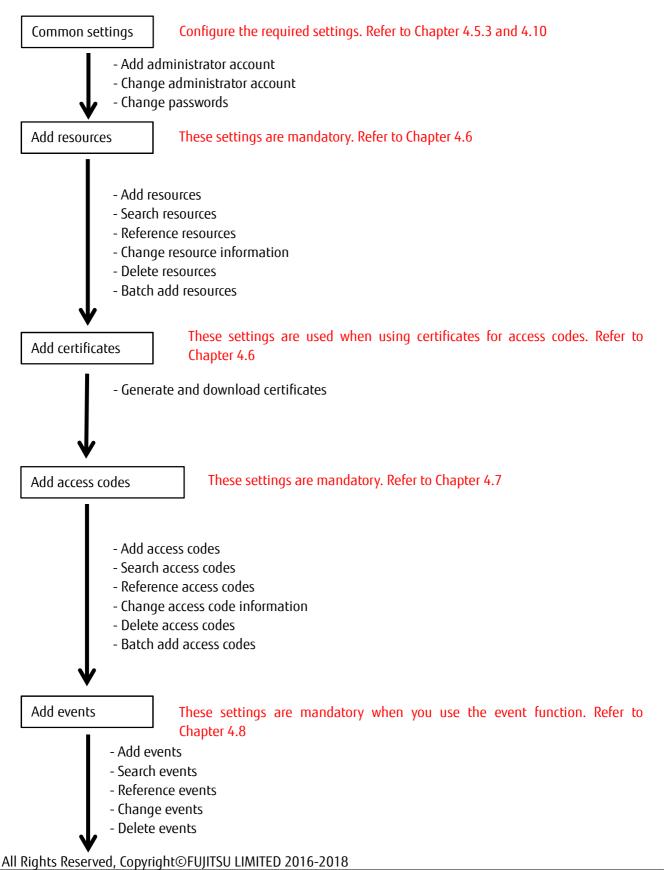
By using Cross-origin Resource Sharing (CORS), this service provide you to send an HTTP request to the domains other than the domain which you installed this service. You can switch activate and deactivate CORS on the Service Portal screen.

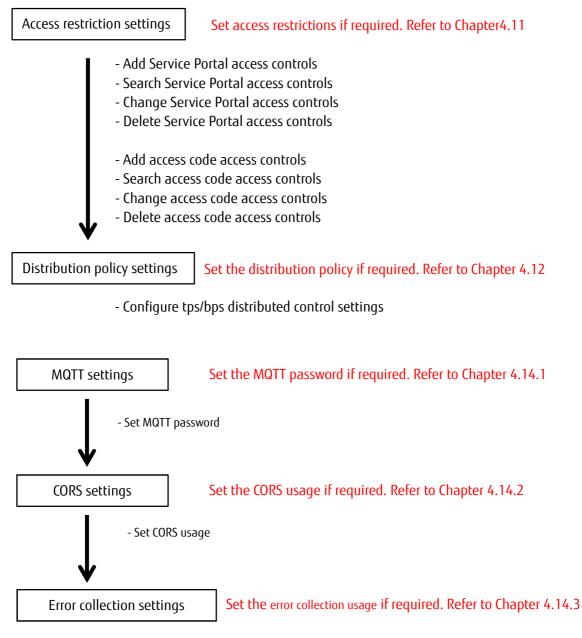
Chapter 4 Screen Descriptions

This chapter describes how to use the Service Portal.

4.1 Basic Settings Procedure

A flowchart showing the setting procedures that will need to be configured when starting to use the service is provided below.





- Set error collection usage

4.2 Using CSV Files

We recommend preparing a preliminary list of resources and access codes before adding them to the system. Batch adding resources and access codes by uploading CSV files saves you time and effort when using the system for the first time, or when modifying a number of resources and access codes. Refer to Chapter5.2.2 and 5.2.44 for more details.

4.3 Login Screen

The following screen will appear when accessing the login URL.

Memo

- The login URL will appear when configuring service use settings from the FUITSU Cloud Service K5 PaaS Portal screen.

1. Enter the user ID into (1).

2. Enter your password into (2).

3. Click the Login button shown as

IoT Platform	<mark>รบ)ัทรม</mark> (2)
Liter in	Password · · · · · · · · · · · · · · · · · · ·
Copyright FUETSU LIMITED 2015-3017	(3)

Notes on input parameters

Entry	Entry format		Required	No. of	Initial	Notes
name	Input method	Character type		characters	display	
User ID	Text	Single-byte alphanumeric characters	Yes	-	-	E-mail address format
Password	Text	Single-byte alphanumeric characters Alphanumeric characters	Yes	8 to 15	-	The character types allowed are as follows Upper and lower case alphabetical characters, numbers, # @ - ():

Memo

- The region of the system you are logging into is fixed based on your login URL.
- The language appeared in the Login screen can be changed via your browser's language settings. Pages will appear in Japanese when your browser's language settings are set to Japanese. It will appear in English when these settings are set to any other language.
- The language appeared in the pages after logging in can be set for each user logging in. Refer to Chapter 4.10 for more details.

The screen will show the following when the user ID and password do not match.

100	FUJÎTSU	
IoT Platform		
User ID or password is incorrect.(00007) hanako@ml.css.fujitsu.com	Factorerd	
Copyright PUIITSU LIMITED 2015-2017	Region: JP	

If you have forgotten your password, have another customer administrator within the same tenant reset the All Rights Reserved, Copyright©FUJITSU LIMITED 2016-2018

password. Refer to Chapter Chapter 13.14.10.4 (1) for more details.

4.4 Selecting Tenant

The following screen will appear when you have logged in successfully and there are multiple tenants included in the customer's contract.

1. Select the tenant you prefer to use by clicking the Tenant Select button shown as (1) in the figure. After clicking this, you will proceed to the Home screen described in Chapter 4.5.

	tianako∨ Fi
Tenant Select	
Your account has multi seriants. Please select one tenant ID: MANUAL-001 main office	(2) Comment Edit
MANUAL-002 tectory	
	Tenant Select Your account has multi-service. Resue select one tenant ID. MANNAL-DOL: man article

Click the Comment Edit button shown as (2) in the figure to edit comments appearing at the right of the Tenant Select button.

Memo

This screen will not appear when only one tenant is included in the customer's contract. In this instance, you will proceed directly to the Home screen described in Chapter 4.5.

4.4.1 **Editing Comments**

The following screen will appear when the Select Comment button is clicked.

1. Enter the Comment in the area shown as (1) in the figure.

2. Click Update shown as (2) in the figure.

IoT Platform			110000005	NOTICE
	-			
1	Comment Edit			
	Please edit each terrants	comment (less than 256 disructes long) (1)		
	MANUAL-003	main office X		
1	MANUAL-002	fectory		
	Cancel	(2) Update		

Notes on input parameters

Entry	Entry format		Required	No. of	Initial	Notes
name	Input method	Character type		characters	display	
Comment	Text	Optional	-	Up to 256	-	

4.5 Home Screen

The following screen will appear when you have successfully logged in.

An overview of the service functions available appears on the Home screen. Click an image to jump to a brief description of each of the functions available.

lesource	Access Code	Event	Log User	Access Control	Distribution	Certificate	Common	
			Welcor	me to <mark>I</mark> oT Pla	tform !			
			Wea	xplain the function of IoT F	latform.			
	6		0		°0			
	About Basic Fund		Applie Chapter		Applied Chapter 2		pplied apter 3	
	Data Acces	s	Event		DRC	Acc	ess Control	
			٨	bout Basic Funct	ion			
			-	bout basic runct	ion			

4.5.1 Main Screen

This section covers the "Main screen" which always appears at the top of the screen after logging in, regardless of what screen you transition to.

1							(1)	(2)	
IoT Platfor	m				_		Tenant ID MANUAL	001 (JP) 🖌 hanako 🗸	FUĴĨTSU
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	

Number	Entry name	Description	Notes
(1)	Select a Tenant	Selects the tenant ID. The region code will appear after	Refer to Chapter 4.5.2
	ID	the tenant ID in parentheses.	
(2)	Select User	Users are able to select "Change Password/Language	Refer to Chapter 4.5.3
		Settings/Version Information/Operating Manual/Logout".	to 4.5.7
(3)	Resource	Opens the Resource screen.	Refer to Chapter 4.6
(4)	Access Code	Opens the Access Code screen.	Refer to Chapter 4.7
(5)	Event	Opens the Event screen.	Refer to Chapter 4.8
(6)	Log	Opens the Log screen.	Refer to Chapter 4.9
(7)	User	Opens the User screen.	Refer to Chapter 4.10
(8)	Access Control	Opens the Access Control screen.	Refer to Chapter 4.11
(9)	Distribution	Opens the Distribution screen.	Refer to Chapter 4.12
(10)	Certificate	Opens the Certificate screen.	Refer to Chapter 4.13
(11)	Common	Opens the Common screen.	Refer to Chapter 4.14

4.5.2 Select a Tenant ID

When multiple tenants are included in a customer's contract, you will be able to click the Select Tenant ID pull-down menu to show "Tenant Select".

"Tenant Select" will appear. Click Tenant Select to proceed to the screen in Chapter 4.4.

Memo

Nothing will appear when clicking Select Tenant ID when only one tenant is included in the customer's contract.

4.5.3 Select Password Change

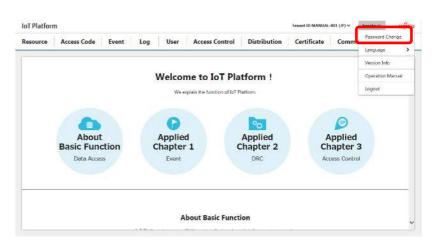
This section describes the process used to change passwords to log into the Service Portal.

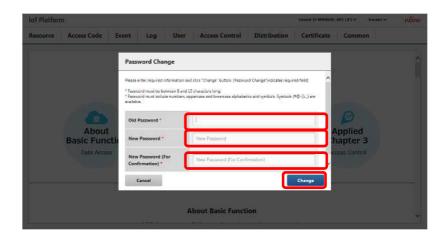
1 . Select "Password Change" from the user name pull-down menu on the Home screen to move to the Password Change screen.

- 2. Enter your old password.
- 3. Enter your new password.

4. Enter your new password again (for confirmation).

5. Click Change.





Notes on input parameters

Entry name	Entry form	nat	Required	No. of	Initial	Notes
	Input method	Character type		characters	display	
Old password	Text	Single-byte alphanumeric characters Alphanumeric characters	Yes	8 to 15	-	The character types allowed are as follows Upper and lower case alphabetical characters, numbers, # @ - ():
New password	Text	Single-byte alphanumeric characters Alphanumeric characters	Yes	8 to 15	-	The character types allowed are as follows Upper and lower case alphabetical characters, numbers, # @ - ():

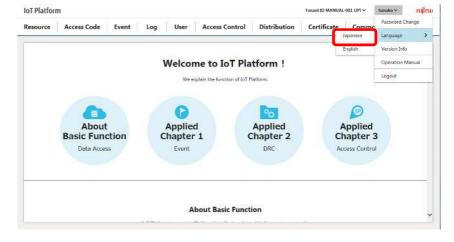
New password	Text	Single-byte	Yes	8 to 15	-	The character types
(for		alphanumeric				allowed are as follows
confirmation).		characters				Upper and lower case
		Alphanumeric				alphabetical characters,
		characters				numbers,
						#@-():

4.5.4 Language Settings

This section describes how to change the language display for the Service Portal.

Select the language from the Language pull-down menu under the user name.

You can select from Japanese or English.



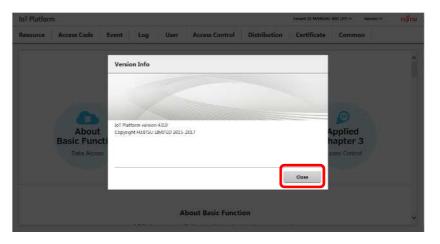
Memo

Language setting changes in Language will be saved, and the screen will appear in the language selected when you next log in.

4.5.5 Select Version Information

The following screen will appear when you select Version Info from the user name pull-down menu.

Click Close to return to the previous screen.



4.5.6 Select Operating Manual

This operating manual will appear on the device you are logged into when you select Operation Manual from the user name pull-down menu.

4.5.7 Logging Out

Log out by selecting Logout from the user name pull-down menu in the Main screen.

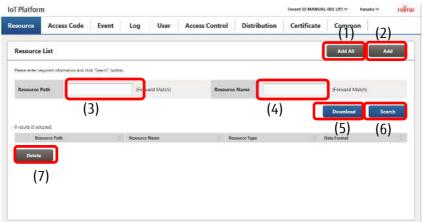


ANote

- Make sure to log out before closing the browser screen.

4.6 Resource Screen

Click Resource on the Main screen to display the Resource screen.



Number	Entry name	Description	Notes
(1)	Add all	Batch adds all resources.	Refer to Chapter 4.6.1
(2)	Add	Adds the resource.	Refer to Chapter 4.6.2
(3)	Resource path	Set when searching for resources.	Refer to Chapter 4.6.4
(4)	Resource	Set when searching for resources.	Refer to Chapter 4.6.4
	name		
(5)	Download	Downloads configured resource information.	Refer to Chapter 4.6.3
(6)	Search	Retrieves resources.	Refer to Chapter 4.6.4
(7)	Delete	Use when deleting batches of resources.	Refer to Chapter 4.6.6

Notes on input parameters

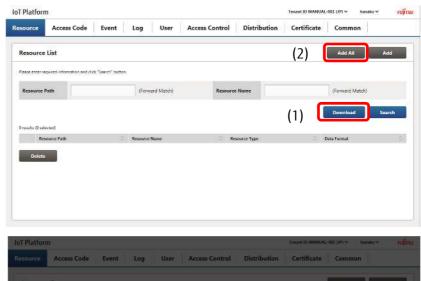
Entry	Entry format		Required	No. o	Initial	Notes
name	Input method	Character type		characters	display	

Resource path	Text	Single-byte alphanumeric characters	-	Up to 128	-	Usable characters Numbers, upper and lower case alphabetical characters, - (hyphen), _ (underscore), / (slash) Refer to 4.6.4
Resource Name	Text	Optional	-	Up to 32	-	Usable characters Numbers, upper and lower case alphabetical characters, Double-byte characters @ - (): Refer to 4.6.4

4.6.1 Add All Resources

You can add resources as a batch using CSV files.

- Click Download shown as (1) in the figure to download a CSV template to your device.
- 2. Edit the CSV file.
- 3. Click Add All shown as (2) in the figure.
- 4. Click Reference shown as (3) in the figure and select the edited CSV file.
- 5. Click Add shown as (4) in the figure.



Resource List Aut Aut Aut Prese entre entre

Memo

- The name of the downloaded file will be in resource_YYYYMMDDHHMMSS.csv format.
- You can download the CSV template only without a resource being added by downloading the CSV template before a resource is added.
- You can also add access codes without downloading by editing a CSV file with the same formatting as the template from the PC in use.
- A maximum of 100 resources can be added at a single operation using the Add All function. Add resources in multiple batches when you are adding 100 or more resources.

- Resources cannot be added if a resource with the same resource path and resource name is already in use within the same tenant ID.
- You can only add new resources when downloading and editing a CSV file. Existing resources cannot be modified.
- Refer to Chapter Chapter 17.1 for more information about the CSV format.
- [1] Display previous results / Show the latest result

Click "Display Previous Results / Show the latest result" on the All Resource Registration screen to output a log of previous operations.

4.6.2 Add Resources

The following screen will appear when you click Add on the Resource screen described in Chapter 4.6. This menu is used when you prefer to add a single resource only. First, select the resource type from (1) in the screenshot shown below. If "Resource" is selected as the resource type, an entry field for the resource to be used for data storing will appear. If Resource (Transfer) is selected, an entry field for the data transfer resource will appear. Examples below explain settings for each type of resource.

- For data storing resources

- Select Resource from the pull-down menu shown as (1) in the figure.
- 2. Enter the resource path into the field shown as (2) in the figure.
- 3. Enter the resource name into the field shown as (3) in the figure.
- 4. Select the data format from the pull-down menu shown as (4) in the figure.
- 5. Click (5) Add.
- 6. A Confirmation screen will appear after clicking Add. Click Enter shown as (6) in the figure to add the resource.

Please enter required information and click Available symbols are @-(t_ in Resource h	k "Add" botton ("indicates required field) Name.		Î
Resource Type" (1)	Resource		
Resource Path' (2)			
Resource Name (3)			
Data Format" (4)	V NO2L		
Comment			
Retention Period(1-9999 days)*	1		
Cancel		(5)	Add
		(3)	
	ana ana	Tennet 10 MANY	AL-601 UPL Y Hasako Y
Resource Registration - Co	nfirmation	Timest ID MANA	IAL-001.(IF)∀ Basako.∀
-		Tenant IU MANN	(A), 401,00) ∀ Bacako ∀
-		Tensot ID MAN	AL SOLUTY
lease click "Enter" button to register with t	the following contents	Tenset 10 MAN	/AL-OH-(07) 9
laace click "Inter" button to register with t Resource Type Resource Path	the following contents. Resource	Jerniet III MAXA	NALOR (197) V Roosto V
lease dick "Enter" button to register with t Resource Type Resource Path Resource Name	De folkering contents. Resource DataResource001	Jenuet III MANA	- oddanodi - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995
feace dick "Enter" butten to register with t Resource Type	De folkening contents. Resource DataResource001) (Fridayet 10) (MARAN	/AL-001.075 - 300040
tease click "Enter To register with 1 Resource Type Resource Path Resource Name Data Format	Be following contents. Resource DataResource001 JSON	Jenset III MAXA	(10) (10) (10) (10) (10) (10) (10) (10)
Resource Path Resource Name Data Format Comment	be following contents	Jenned KI MAAN	Verdennet v CD4 390-44

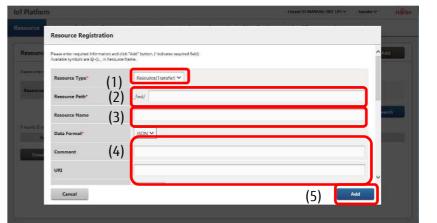
Notes on input parameters

Entry	Entry format		Required	No. of	Initial	Notes
name	Input	Character		characters	display	
	method	type				
Resource	Pull-down	-	Yes	-	Resource	Select from Resource and
type						Resource (Transfer)
		Single-byte	Yes	Up to 128		Usable characters

path		alphanumeric characters				Numbers, upper and lower case alphabetical characters, - (hyphen), _ (underscore), / (slash)
Resource Name	Text	Single- and double-byte characters Alphanumeric characters Symbols	-	Up to 32	-	Usable characters Numbers, upper and lower case alphabetical characters, Double-byte characters @ - ():
Data format	Pull-down	-	Yes	-	JSON	Select from JSON and Binary
Comment	Text	Optional	-	Up to 256	-	
Retention period	Text	Single-byte numerals	Yes	Up to 4	1	Unit: Days Data added will be deleted once the set retention period has elapsed.

- For data transfer resources

- Select Resource (Transfer) from the pull-down menu shown as (1) in the figure.
- 2. Enter the resource path into the field shown as (2) in the figure.
- 3. Enter the resource name into the field shown as (3) in the figure.
- Enter transfer destination details and set the data to be transferred into the fields shown as (4) in the figure (several fields can be completed by scrolling through the form).
- 5. Click (5) Add.
- 6. A Confirmation screen will appear after clicking Add. Click Enter shown as (6) in the figure to add the resource.





Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input	Character		characte	display	
	method	type		ГS		
Resource type	Pull-down	-	Yes	-	Resource	Select from Resource and
						Resource (Transfer)
Resource	Text	Single-byte	Yes	Up to	-	Usable characters

path		alphanumer ic characters		128 (*1)		Numbers, upper and lower case alphabetical characters, - (hyphen), _ (underscore), / (slash)
Resource Name	Text	Single- and double-byte characters Alphanumer ic characters	-	Up to 32	-	Usable characters Numbers, upper and lower case alphabetical characters, Double-byte characters @ - ():
Data format	Pull-down	-	Yes	-	JSON	JSON only
Comment	Text	Optional	-	Up to 256	-	
URI	Text	Single-byte alphanumer ic characters	-	Up to 256	-	
Method	Pull-down	-	-	-	(NULL)	Select from (NULL)/POST/PUT/GET/DELETE/HE AD/OPTIONS/TRACE
Authenticatio n ID	Text	Single-byte alphanumer ic characters	-	Up to 20	-	
Authenticatio n password	Text	Single-byte alphanumer ic characters	-	Up to 20	-	
Header names 1 to 10	Text	Single-byte alphanumer ic characters	-	Up to 20	-	
Header values 1 to 10	Text	Single-byte alphanumer ic characters	-	Up to 512	-	

Memo

- Resources cannot be added if a resource with the same resource path is already in use within the same tenant.

- Resource paths that start with an underscore (_), or have an underscore (_) immediately after a slash (/) cannot be specified.

- _bin/ is automatically added to the start of resource paths when the resource type selected is resource, and the data format is binary.

- _fwd/ is automatically added to the start of resource paths when the resource type selected is resource (transfer).

- (*1) The maximum number of characters for resource paths is 128, including the _bin/ and _fwd/ strings at the start.

- It may take up to five minutes before you are able to access APIs using settings configured when adding or changing resources/access codes.

4.6.3 **Downloading Resources**

You can download information regarding resources registered to one of your tenants. This function can be used to download all resources retrieved with the Search key.

	IoT Platform		Tenant ID 5	WANUAL-SIT (IP) 🗸 hanaka 🗸 TUŤTSU
	Resource Access Code	Event Log User Access Control	Distribution Certifi	cate Common
Click Download to download	Resource List			Add All Add
information regarding tenant resources.	Please antar required information and click *	Search" button.		
	Resource Path	(Forward Match) Resource	e Name	(Forward Match)
				Download Search
	3 results (0 selected)			
	Resource Path	Resource Name	Resource Type	Data Format
	DataResource001	OataResource001	Resource	JSCN
	ame .		Resource	860N
	Ind/DetaforwardingResource002	Oatafoward regResource202	Resource(Transfer)	JSON
	Delete			

Memo

- Clicking Download without performing a search will download all files that include any resources found within all tenants. Click something other than Resource in the Main screen, and then click Resource in the Main screen again to return to the results retrieved from the search performed.

ANote

- Attempting to download all resources when there are many resources registered may result in long download times. It is recommended that you use search conditions to narrow down the resources being downloaded to avoid this.

4.6.4 **Searching for Resources**

You can search for resources from the Resource screen. This is mainly used to modify resources or delete unnecessary resources. You can also opt to download resource information for resources matching the search conditions set only.

- Enter the resource path or resource name that you prefer to search for as a prefix match into the area shown as (1) in the figure.
- 2. Click Search shown as (2) in the figure to display the search

Resource	e List						,	Add All	Add
Please enter r	squired information and cit	k 'Search' bottor	÷2						
Resource	Path		(Forwa	ard Match)	Resource	Name		(Jonward Match)	(2)
		(1)						Download	Search
3 results (0 se	Automation ((.,	(:	3)				Download	Jearch
				R source Na	me	Resource Type		Data Format	
	esource Path								
Re	ssource Path maResource001			DataResource	001	Resource		JSON	
Re				DataResource	001	Resource Resource		JSON JSON	

- Click (3) to sort the search results. Refer to Chapter 7.2 for more information about the display order for sorting.

Memo

- Resource paths and resource names can be searched for based on prefix matches.
- Up to 100 search results can be displayed. Please be aware that only the first 100 search results will appear when performing searches that return over 100 matches.

4.6.5 Changing Resource Settings

You can change resource settings for resources that you have added.

1. Search for the resource you prefer to change from the Resource screen. Refer to Chapter 4.6.4 for more information on searching.

2. Click the resource path shown as (1) in the figure for the resource settings you prefer to change.

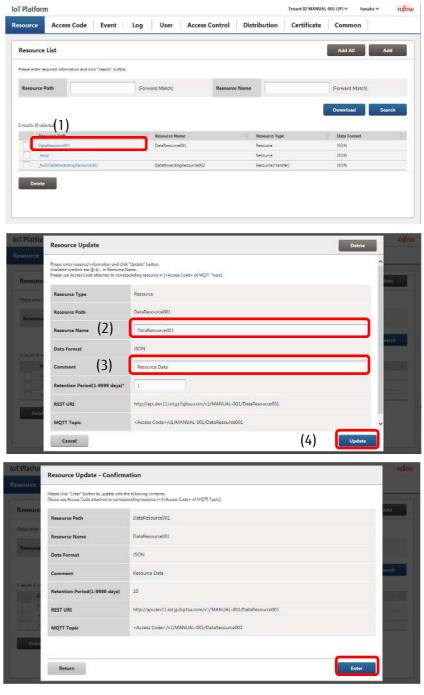
3. Enter the new resource name into (2) when you prefer to change the resource name.

4. Enter a new comment into (3) when you prefer to change the comment.

*You can also change other input items, as required. Refer to 4.6.2 for further details on input items.

5. Click Update shown as (4) in the figure.

6. The Resource Update/Confirm screen will appear. Check that everything is correct and click Enter.



ANote

- The resource path and data format cannot be changed.
- To change the resource path and data format, you must first delete the corresponding resource and add it again with the new path.

- The error collection resource "_error" added by the system when creating a tenant cannot be updated or deleted.

[1] Deleting a single resource

This section describes the procedure to delete a single resource. If an access code is tied to the resource you prefer to delete, you will need to delete the access code first before proceeding. Refer to Chapter 4.7.5 (5) for more details.

1 . Search for the resource name you prefer to delete from the Resource screen. Refer to Chapter 4.6.4 for more information on searching.

2. Click the resource path shown as(1) in the figure for the resource name you prefer to delete.

3. Click Delete shown as (2) in the figure on the Resource Update screen.

4. Click Execute after confirming the contents of the Confirmation screen when it appears.

IoT Platform	n			Tenant ID MANU	AL-001.0P) v hanako v PUŘIS
Resource	Access Code Event	Log User Access C	ontrol Distr	ibution Certificate	Common
Resource	List				Add All Add
Please enter ce	quired information and click "Search" button.				
Resource F	hath	(Forward Match)	Resource Name	-	(Forward Match)
increase i		a strand staticity	All Concernance		a second second
					Download Search
3 result (1) ex	cled)				Data Format
Det	sFerource001	Constance Name DataResource001		Resource Туре Режинсе	Ison
	or VDatatovaningResource002	DatatowardingRespurce050		Resource Resource(Transfer)	ISON ISON
		California Surgino Surferine		-course)	2207
Delete					
1					
IoT Platfor	23 <i>21 W</i>				mics
Resource	Resource Update			(;	2) Delete
	Please enter required information and click Available symbols are @-() in Resource Na	Update" button. ma. anding resource in (<socess code=""> of MQTT To</socess>		(*	-/ ^
Resource	Please use Access Code attached to corresp	anding resource in [«Bocess Code» of MQIT To	apid).		Add
Hanne antern	Resource Type	Resource			
Resource	Resource Path	DataResource001			
	Resource Name	DataResource001			
Areads (2)	Data Format	JSCN			harth .
	Comment	Resource Data			
1	Retention Period(1-9999 days)*	1			
1 100	REST URI	http://api.dev11.iot.jp.fujitsu.com/v1/N	MNUAL-001/DataRes	source001	
	MQTT Topic	<access code="">/v1/MANUAL-001/Ost</access>	Pescuro2001		~
	Cancel				Update
IoT Platform				Tentot ID MARK	n oni ori - nansko - Tojina
Resource	Access Code Event	Log User Access Co	strol Distri	bution Certificate	Common
Resource Li					ARE ARE TRADE
Reposere Li					
· Parses enter wat	Resource Delete	- Confirmation			
Resource Pat	Please dick "Esecute" but	in to deletel resources completely.			a logatory
	DataResource001		DataResource001		
C Trends C select					
	mar Ports				
Triefs	Cancel			Exe	sute
	- And Comments	and the state of the			
-	ì				
No. of Concession, Name	-				
1					

Memo

- You can also delete resources using the method described in Chapter 4.6.6.

ANote

- Deleting resources will delete both the resource and all data written to the resource.

- Once deleted, resources and the data written to the resource cannot be recovered. Customers are responsible for using caution in checking the contents of resources being deleted before deleting them.

- The error collection resource "_error" added by the system when creating a tenant cannot be deleted. Clicking the Delete button on the "_error" Update Resource screen will not delete the resource.

4.6.6 **Delete All Resources**

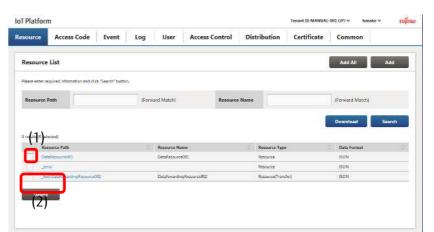
Follow the procedure below to delete multiple resources as a batch. If an access code is tied to the resource you prefer to delete, you will need to delete the access code first before proceeding. Refer to Chapter 4.7.6 for more details.

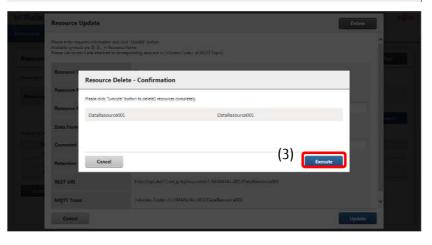
1 . Search for the resource name you prefer to change from the Resource screen. Refer to Chapter 4.6.4 for more information on searching.

2. Select the check box next to the resource you prefer to delete, shown as (1) in the figure. Select multiple check boxes when you prefer to delete multiple resources.

3. Click (2) Delete.

4. Click (3) Execute after confirming the contents of the Confirmation screen when it appears.





Memo

- You can also delete resources using the method described in Chapter 4.6.5 (1).

ANote

- Deleting resources will delete both the resource and all data stored to the resource.

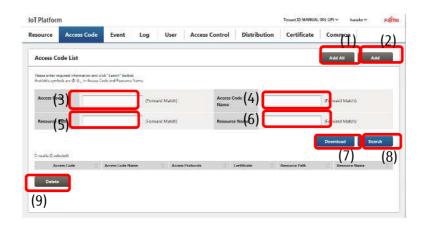
- Once deleted, resources and the data written to the resource cannot be recovered. Customers are responsible for using caution in checking the contents of resources being deleted before deleting them.

- The error collection resource "_error" added by the system when creating a tenant cannot be deleted.

Selecting the "_error" check box and attempting to delete the resource will fail to delete the "_error" resource.

4.7 Access Code Screen

Click Access Code in the Main screen to display the Access Code screen.



Number	Entry name	Description	Notes
(1)	Add all	Batch adds access codes.	Refer to Chapter 4.7.1
(2)	Add	Adds an access code.	Refer to Chapter 4.7.2
(3)	Access Code	Set when searching for access codes.	Refer to Chapter 4.7.3
(4)	Access Code Name	Set when searching for access codes.	Refer to Chapter 4.7.3
(5)	Resource path	Set when searching for access codes.	Refer to Chapter 4.7.3
(6)	Resource Name	Set when searching for access codes.	Refer to Chapter 4.7.3
(7)	Download	Downloads configured access code information.	Refer to Chapter 4.7.4
(8)	Search	Retrieves access codes.	Refer to Chapter 4.7.3
(9)	Delete	Use when deleting batches of access codes.	Refer to Chapter 4.7.6

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes (Usable characters)
	Input method	Character type		characters	display	
Access Code	Text	Single-byte alphanumeric characters	-	3 to 48	-	Numbers, upper and lower case alphabetical characters Refer to 4.7.3
Access Code Name	Text	Refer to Notes	-	3 to 48	-	Numbers, upper and lower case alphabetical characters, Double-byte characters, @ - (): Refer to 4.7.3
Resource path	Text	Single-byte alphanumeric characters	-	Up to 128	-	Numbers, upper and lower case alphabetical characters, - (hyphen), _ (underscore), / (slash) Refer to 4.7.3
Resource Name	Text	Refer to Notes	-	Up to 32	-	Numbers, upper and lower case alphabetical characters, Double-byte characters, @ - (): Refer to 4.7.3

4.7.1 Batch Add Access Codes

You can add access codes as a batch using CSV files.

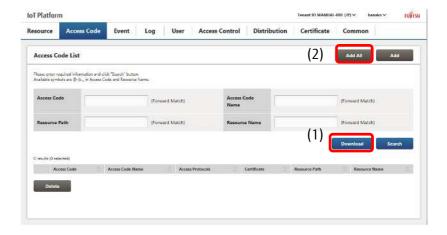
1 . Click Download shown as (1) in the figure to download a CSV template to your device.

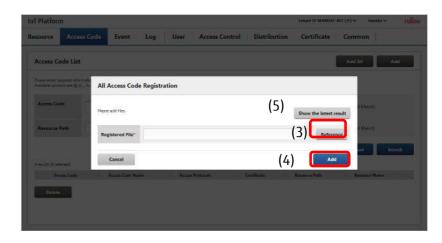
2. Edit the CSV file.

3. Click Add All shown as (2) in the figure.

4. Click Reference shown as (3) in the figure and select the edited CSV file.

5. Click (4) Add.





Memo

- The name of the downloaded file will be in access_code_YYYYMMDDHHMMSS.csv format.
- You can download the CSV template only without an access code being added by downloading the CSV template before an access code is added.
- You can also add access codes without downloading by editing a CSV file with the same formatting as the template from the PC in use.
- A maximum of 100 access codes can be added at a single operation using the Add All function. Add access codes in multiple batches when you are adding 100 or more access codes.
- Multiple resource paths can be assigned to a single access code by adding them on lines to the right as shown in the CSV Image in Chapter 7.1.2.
- Configure access codes and access code names so that they do not repeat addition completed values.
- Make sure to assign R or G access permissions for access codes set for events.
- You cannot set certificates for access codes when adding access codes as a batch.
- Refer to Chapter Chapter 17.1 for more information about the CSV format.

[1] Display previous results / Show the latest result

Click "Display Previous Results" on the All Resource Registration screen to output a log of previous operations .

4.7.2 Adding Access Codes

The following screen will appear when you click Add on the Access Code screen described in Chapter 4.7. This menu is used when you prefer to add a single access code only.

1 . Enter the access code in the field marked as (1) in the figure.

2. Enter the access code name in the field marked as (2) in the figure.

3. To specify an access protocol, select Specify in the area marked as (3) in the image, and select the check box next to the corresponding access protocol. Select Do not specify to not specify an access protocol.

4. To set a certificate, click the Browse button in the area marked as (4) in the image, and select a certificate file.

5. Select the resource that you prefer to grant the permissions that this access code gives.

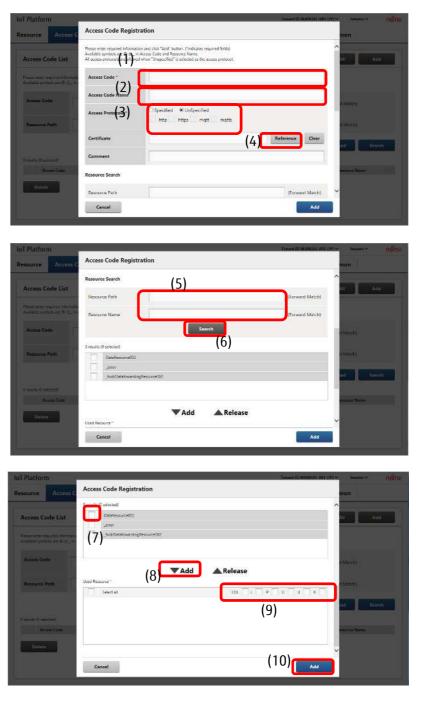
5-1. Enter the resource path or the resource name as the search keyword in the field marked as (5) in the figure.

5-2. Click Search shown as (6) in the figure to display resource paths matching the search conditions at the bottom of the screen.

5-3. Select the check box for the resource you prefer to grant permissions for shown as (7) in the figure, and then click (8) for Add to add the resource to the Used Resources List at the bottom of the screen.

6. You can set permissions for registering, updating, deleting and listing (CDL) via an API, and permissions for listing (L), updating/deleting (P) all sub-resources, referencing all sub-resources (G), registering data (U), and referencing data (R) via an API.

* You can grant CDL, L, P, G, U, and R permissions for multiple resources at once All Rights Reserved, Copyright OFUITSU LIMITED 2016-2018 Type selecting the Select All check box in the Used Resources List.



9. Confirm the contents of the Add/Confirm screen when it appears, and then click Enter.

foT Platform			Terrent III MARGINE dat 11915	C THIRDAY I MILES
Resource Access	Access Code Registr	ation - Confirmation		non
F. mean resources and	Please click "Enter" button to re	uster with the following contents	-	
Access Code List	Access Code	AccessCode001		
Phase many respectively server at the server of the server	Access Code Name	AccessCode001		
Amass Code	Access Protocols	Specified # UnSpecified http: https://mqtts		1.Mates
Resource Party	Certificate	UnSet		t Marca
	Comment			ad Seath
Treats Contained	Used Resource			
Arren Lade	DataResource001	CDL 😪 L 👘 P	G U R	emane Name
(Maria				
	Return		Enter	
1				

Notes on input parameters

Entry name	Entry forma	t	Required	No. of	Initial display	Notes
	Input	Character		character		
	method	type		S		
Access Code	Text	-	Yes	3 to 48	-	Usable characters Numbers, upper and lower case alphabetical characters
Access Code Name	Text	Single- and double-byte characters Alphanumeri c characters	-	Up to 32	-	Usable characters Numbers, upper and lower case alphabetical characters, Double-byte characters, @ - ():
Access protocol	Radio button	-	-	-	Do not specify	Select from Do not specify and Specify
Access protocol (types)	Check box	-	Yes	-	HTTP,HTTPS, MQTT,MQTTS	This can only be selected when Do not specify is selected for the access protocol. Multiple access protocols can be selected from HTTP, HTTPS, MQTT, MQTTS
Certificate	Text	Refer to Notes	-	-	-	All characters that can be used in a file path are available for use
Comment	Text	Optional	-	Up to 256	-	
Resource path	Text	Refer to Notes	-	Up to 128	-	Usable characters Numbers, upper and lower case alphabetical characters, - (hyphen), _ (underscore), / (slash)
Resource Name	Text	Refer to Notes	-	Up to 32		Usable characters Numbers, upper and lower case alphabetical characters, Double-byte characters, @ - ():

Memo

- You can display the resource name by clicking the resource path in the Add screen.
- Make sure to assign R or G access permissions for access codes set for events.
- Assign CDL access permissions to add resources under a resource via an API, and to update and delete resources added via an API.
- L access permissions cannot be selected if CDL access permissions are selected.
- CDL access permissions cannot be selected if L access permissions are selected.
- Access codes cannot be added if the same access code is already in use within the scope of the same tenant ID.
- It may take up to five minutes before you are able to access APIs using settings configured when adding or changing resources/access codes.
- Access codes set for a load resource or recommend resource on the Distribution screen (Chapter 4.12) cannot be deleted if Distribution settings are enabled.
- In this case, disable Distribution settings first to delete the access code.

Note

- Please specify the certification which is generated on Generate Certificate Screen.

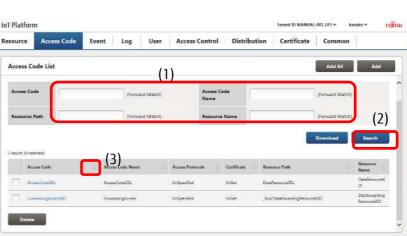
4.7.3 Searching for Access Codes

You can search for access codes from the Access Code screen. This is mainly used to edit access codes and to delete unnecessary access codes.

1 . Enter the access code or access code name, or the resource path or resource name you prefer to search for into the fields shown in (1) in the figure.

2. Click Search shown as (2) in the figure to display the search results at the bottom of the screen.

- Click (3) to sort the search results. Refer to Chapter 7.2 for more information about the display order for sorting.



Memo

- All search keys are compatible with prefix-match searching.
- Up to 100 search results can be displayed. Please be aware that only the first 100 search results will appear when performing searches that return over 100 matches.

ANote

- Avoid entering only an underscore (_) into the access code or access code name fields and pressing the Search button as doing so will retrieve all access codes in the search results.

4.7.4 Downloading Access Codes

You can download information regarding access codes registered to one of your tenants. This function can be used to download all resources retrieved with the Search key.

- 1. Perform searches using the access code searching procedure described in Chapter 4.7.3.
- 2. Click Download.

Access Co	ode List				Add Ail	Add
Access Cor	de	(Forward Match)	Access C Name	ode	(Forward Mat	ch)
Resource I	Path	(Forward Match)	Resource	e Name	(Forward Mat	ch)
2 results (0 sele					Download	Search
	ess Code	C Access Code Name C	Access Protocols	Certificate	Resource Path	Resource =
- 100	ecolode001	AccessCode001	UnSpecified	UnSet	DataRecource(0)	DataResource0 01
	wordingAccess002	Forward ingAccess	UnSpecified	UnSet	_Ind/DataTowardingResource002	Datafowerding Resource002

Memo

- Clicking Download without performing a search will download all files that include any access codes found within all tenants. Click something other than Access Code in the Main screen, and then click Access Code in the Main screen again to return to the results retrieved from the search performed.

ANote

- The certificate set for an access code cannot be downloaded when downloading access codes.

4.7.5 Changing Access Code Settings

Display the Access Code Information Update screen by clicking the link for the access code you prefer to change settings for after searching for the access code.

The access code cannot be deleted if it has been assigned to event settings. In this instance you must first delete the event settings before deleting the access code.

1 . Search for the access code you prefer to change settings for from the Access Code screen. Refer to Chapter 4.7.3 for more information on searching.

2. Click the access code you prefer to change settings for, shown as (1) in the figure, to proceed to the Access Code Information Update screen. The following provides a description of the changes and operation procedures that can be performed in the Access Code Information Update screen.

esource	Access Code	Event Log	User	Access C	ontrol	Distribu	tion Certificate	Common	
Access Co	ode List							Add All	Add
Access Co	de	σ	onward Match)		Access Co Name	de		(Forward Match)	
Resource i	Path	(F	orward Match)		Resource	Nama		(Forward Match)	
								Download	Search
Z results (0 sel	scted)								
An	anas Cuide (1)	C Access Code N	lama) 👘 😳	Arrans Protoco	n 0:	Certificate 0	Resource Path		Resource D
Aco	ensCode()01	AcceseCode001		UnSpecified		UnSet.	DataResource001		DataResource0 00,
Fen	verdingAccess302	FonwardingAcc	ess	UnSpecified		UnSet	_two/DatafowardingResou	ce902	Datafowarding Resource002

[1] Change the access code name

1 . Change the access code name in the field marked as (1) in the figure. You can also change the comment in (2) if necessary.

2. Click Update shown as (3) in the figure.

IoT Platform			Timan ID MANUAL 001-D	ns and rules
Resource Access C	Access Code Informa	tion Update	Delete	mon
Access Code List	Available symbols are @-():_ in A	vand cikk "Update" botton ("indicates required field) creas Code and Remuce Name when "Unspecified" is selected as the access protocol.		
Access Code	Access Code (1	AccessCode001		Maero
	Access Code Name	AccessCode001		
Resource Putte	Access Protocols *	Ospecified Unspecified http:://ttps.matt.matts		Matatu
a hiding parasili	Certificate	UnSet	Reference Clear	Deuran
Access Code .:	_{Comment} (2)			Alime Districtional
-	Resource Search			03 DetaFreedorg Periode302
Balan	Cancel		(3) Update	

Note

- Access code values cannot be changed. To change access code values, delete the relevant access code first, and then add a new access code with the new values.

[2] Change the access protocol

1. Change the selection in the area marked as (1) in the image, or change the access protocol selected in the area marked as (2) in the image.

2. Click Update shown as (3) in the figure.

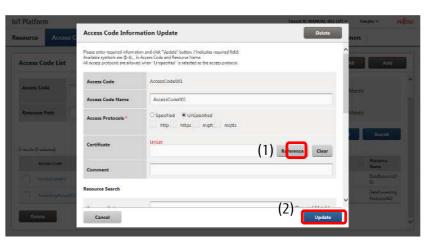
IoT Platform			Tensior ID MANUAL-001	OPDM NAMERY TUFFEST
Resource: Access C	Access Code Informat	tion Update	Delete	mon
Access Code List	Available symbols are @-():_ in As	and click "Update" button. ("Indicates required field) two Code and Resource Name Iren "Unspectied" is selected as the access protocol.		
Access Code	Access Code	AccessCode001		*
	Access Code Name (1)	AccessCode001	0	Materi
Resource Partic	Access Protocols	OSpeaned OUnSpecified http:://https://matts		Matatti
2 martin quantum	Certificate	Unset	Reference Clear	Beauch
(AccesiOnder)	_{Comment} (2)		0	- Mane Name Districtional
	Resource Search			01 OstaFinneentita. Hennocitati
Desire	Cancel		(3) Update	
2				

[3] Change the certificate

- If a certificate has not been set "Unset" will appear in the Certificate field.

1. To set a certificate, click the Browse button in the area marked as (1) in the image, and select a certificate file.

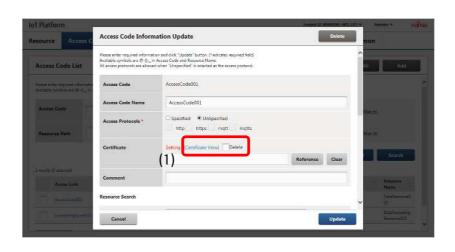
2. Click Update shown as (2) in the figure.



- If a certificate has been set

"Setting" will appear in the Certificate field. The "Reference" link and Delete check box will also appear.

Click "Reference" (1) to display the currently set certificate.

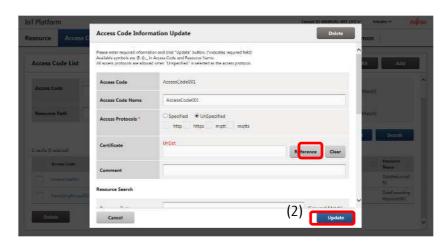




- Changing certificates

1. To change certificates, click the Reference button in the area marked as (1) in the image, and select a certificate file.

2. Click Update shown as (2) in the figure.



- Deleting certificates

1. Select the Delete check box shown as (1) in the figure to delete a certificate.

2. Click Update shown as (2) in the

IoT Platform			Terrant ID MANUAL-DU	unser lanaker mijitsu
Resource Accesso	Access Code Inform	nation Update	Delete	non
Access Code List	Available symbols are @-():_ in	on and click "Update" button. ("indicates required field) Access Code and Resource Name. I when "Unspectied" is selected as the access protocol.		
Parce other required internation Available seconds and D (c., b)	Access Code	Access/Lode001		~
Avenue Conta	Access Code Name	AccessCode001		Machi
Resource Path	Access Protocols*	Specified ©UnSpecified http://titips.mqtt.mqtts		Matrix
	Certificate	Setting (Certificate Visy elete	Reference Clear	Search:
Course Constant	Comment			Hassaree Hann
	Resource Search			v al
(Completent)	Cencel		(2) Update	Landon a second

[4] Add resources tied to the relevant access code

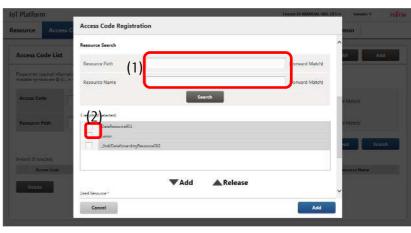
 Add resource paths/resource names as search keys in the fields provided in (1) to search for the resources you prefer to add.

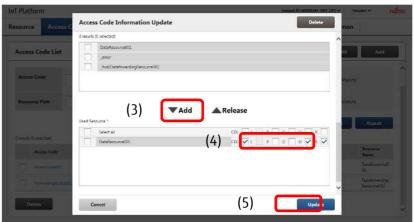
2. Resource paths that match the search keys added will appear at the bottom of the screen. Select the resources you prefer to add by selecting the check boxes shown as (2) in the figure.

3. Click (3) Add to add new resources to the Used Resource List.

4. Assign the access permissions for the resources you have added using the check boxes shown as (4) in the figure.

5. Click Update shown as (5) in the





Memo

- Search for resource paths and resource names as prefix-match searches.

Note

Access code setting can not be changed/edited from service portal when 101 or more resources are linked to one access code. In such case, please use following method A) or B) for changing the access code setting .

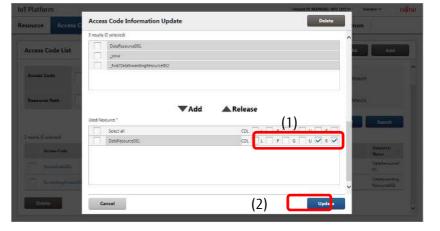
- A) Use "Controlling Access Codes (REST)" API. (Refer to " IoT Platform API Reference")
- B) Change the access code setting using following steps (Download, Edit, Delete, Upload).

- 1. Download Access Codes. (refer to section 4.7.4)
- 2. Edit the downloaded CSV file.
- 3. Delete the Access Code from service portal which need to be changed. (refer to section 4.7.6)
- 4. Batch add Access Codes by uploading the CSV file edited in step2. (refer to section 4.7.1)

[5] Changing access permissions for resources which have already been assigned an access code

1. Select the resource you prefer to change access permissions for from the resources in use at the bottom of the screen, and then select or deselect the check boxes shown as (1) in the figure to change access permissions.

2. Click Update shown as (2) in the figure.



[6] Removing resources which have been assigned an access code

1 . Select the resource you prefer to remove from the Used Resource list by selecting the check box shown as (1) in the figure.

2. Click (2) for Release to delete the selected resource from the Used Resource list.

3. Click Update shown as (3) in the figure.

 Resource
 Access Code Information Update

 Access Code Intel

 Concel

 Concel

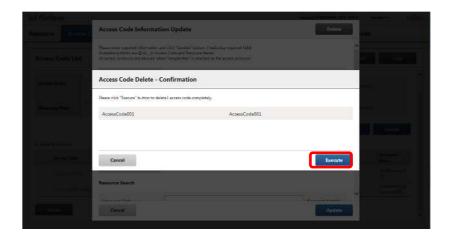
<

[7] Deleting access codes from the Access Code Information Update screen

1. Click Delete.

2. The Access Code Delete -Confirmation screen will appear. Check that everything is correct and click Execute.

lesource Access	Access Code Inform	nation Update		Delete	non	
Access Code List	Available symbols are Q-():, in	ion and click "Update" botton ("indicates required field) Access Cade and Resource Name. I when "Unspectied" is selected as the access protocol				<u>.</u>
Access Carls	Access Code	AccessCode001				
	Access Code Name	AccessCode001			No.	
Resource Path	Access Protocols*	Specified Cluspecified			Kata) Rendski
2 Handler (1) Kalantan)	Certificate	Un5er.	Reference	Clear		Jeanni -
Acces Code	Comment					Norme -
		- V.				DataMissourced .
						Dustiewoodlog:
the second second			r			
Duluta	Cancel		10	Update		



ANote

- Once deleted, access code information cannot be recovered. Customers are responsible for using caution in checking which access code to delete before deleting them.

4.7.6 Batch Delete Access Codes

Follow the procedure below to delete multiple access codes in a batch. Access codes cannot be deleted if they have been assigned to event settings.

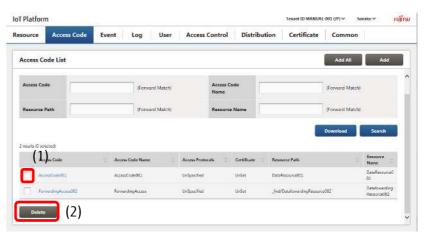
In this instance you must first delete the event settings before deleting the access code.

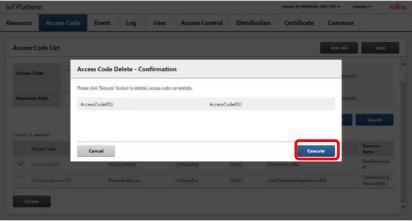
1. Search for the access code you prefer to delete from the Access Code screen. Refer to Chapter 4.7.3 for more information on searching.

2. Select the check box (1) next to the resource you prefer to delete. Select multiple check boxes when you prefer to delete multiple resources.

3. Click (2) Delete.

4. Click Execute after confirming the contents of the Confirmation screen when it appears.





Memo

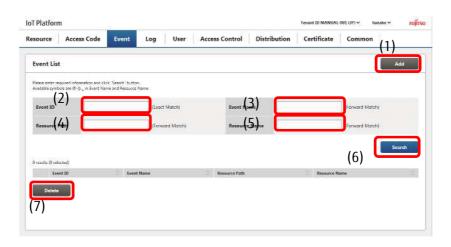
- You can also delete access codes using the method described in Chapter 4.7.5 (5).

ANote

- Access codes cannot be deleted if they are associated with a permitted IP address with the access code access control function. The association with the permitted IP address must be removed before deleting the access code.
- Deleted access code information cannot be retrieved. Customers are responsible for using caution in checking which access code to delete before performing the deletion.

4.8 Event Screen

Click Event in the Main screen to display the Event screen.

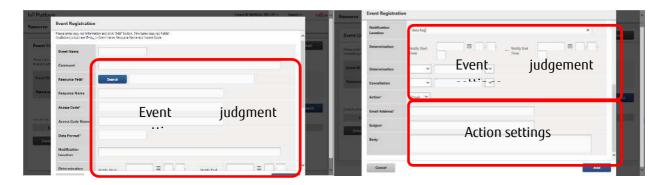


Number	Entry name	Description	Notes
(1)	Add	Adds an event.	Refer to Chapter 4.8.1
(2)	Event ID	Set when searching for events.	Refer to Chapter 4.8.3
(3)	Event name	Set when searching for events.	Refer to Chapter 4.8.3
(4)	Resource path	Set when searching for events.	Refer to Chapter 4.8.3
(5)	Resource	Set when searching for events.	Refer to Chapter 4.8.3
	Name		
(6)	Search	Searches for events.	Refer to Chapter 4.8.3
(7)	Delete	Use when deleting batches of events.	Refer to Chapter 4.8.5

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input method	Character type		characters	display	
Event ID	Text	Single-byte alphanumeric characters	-	Up to 12	-	
Event name	Text	Refer to Notes	-	Up to 32	-	Usable characters Numbers, upper and lower case alphabetical characters, Double-byte characters @ - (): Refer to 4.8.3
Resource path	Text	Single-byte alphanumeric characters	-	Up to 128	-	Usable characters Numbers, upper and lower case alphabetical characters, - (hyphen), _ (underscore), / (slash) Refer to 4.8.3
Resource Name	Text	Refer to Notes	-	Up to 32	-	Usable characters Numbers, upper and lower case alphabetical characters, Double-byte characters @ - (): Refer to 4.8.3

The Event Registration screen will appear when you click Add on the Event screen described in Chapter 4.8.



While this service allows both event judgment and action settings to be configured on the same screen, the process for configuring event settings and action settings is described separately in this manual.

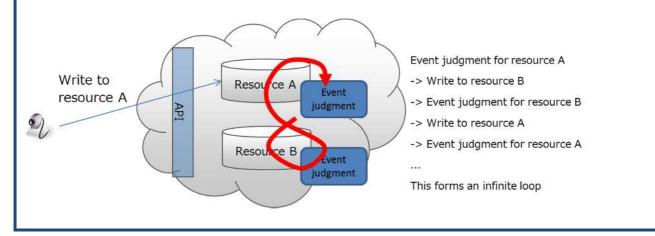
ANote

- While you will not incur event charges for adding events, you will incur charges for the number of events registered to a resource each time an API for writing data to a resource is called. Please use caution when setting events to avoid unnecessary charges.

- You may be charged with a large usage bill if event settings are configured so that actions are performed on a loop. Avoid configuring settings in the following manner.

- Call the API to write to resource B belonging to a tenant when data is written to resource A.

- Call the API to write to resource A belonging to a tenant when data is written to resource B.



Note

- Events cannot be set for resource (transfer) type resources.

4.8.1 Add Events (Judgement Settings)

[1] Writing data to a specific resource

This section describes the procedure to use when you prefer to set event judgment conditions to when data is written to a specific resource.

1 . Enter the event name in the field shown as (1) in the figure. Enter a comment if necessary.

2. Set the resource for the target of event judgment settings.

2-1. Click Search next to the resource path shown as (2) in the figure.

2-2. Enter the resource path or the resource name as the search keyword in the field marked as (3) in the figure.

2-3. Click Search shown as (4) in the figure to display resource paths matching the search conditions, and the access codes associated with said resources, at the bottom of the screen.

2-4. Select a combination of resources for the target of event judgment settings and access codes by clicking a check box shown as (5) in the figure.

2-5. Click (6) Enter to return to the Event Registration screen and automatically fill out the fields shown as (7) in the figure.

2-6. Set the event monitoring time range, shown as (8) in the figure, if necessary.

Next, configure the action settings. Refer to Chapter 4.8.2 for more details.

T Platfor	m	Tesant 30 MARINAL-ROX (JP2 94)	broskoor
esource	Event Registration		
	Please error required information and click "Add" button. ("indicates required fields) Available symbols are GP-() in Event Name, Resource Name and Access Code.		^
Event Li	Event Name / 1)		<u>Aas</u>
Press antes Antes antes	Comment	j	
Byenst 1D	Resource Pathy 2)		
Resource	Resource Name		
	Access Coder (7)		in the second second
Secure II.	Access Code Name		-
. Delle	Data Format*		
	Notification		
	Determination (R)	Massile Fred	<u> </u>

	e Name. (3 ofFicate is "On set" and whese access proto	col is "Unspecified" or "Specified" and Http is	permitteel	
Resource Path	(Forward Match)	Resource	(poward Mat	:h)
			(4)	arch
Øresults Resource Path	Ressurse N Data Form ame at	Access Code Access Code ame	Access Protocol Cer s ate	

Resource Path			is "Unspecified" or "Spe	cities" and kttp is permit	tted -	
	1	(Forward Match)	Resource Name		(Forwa	rd Match)
						Search
1(5) Becourse Path	Resource N	Data Form	Access Curls	Access Code N	Access Protocol	Certific
Catelessurrel01	ame DataResource001	at 60N	AccessCode(01)	ame AccessCode001	s Unipeofied	ate

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input method	Character		characters	display	
		type				
Event name	Text	Full- and single-byte	-	Up to 32	-	Usable characters Numbers, upper and
		characters				lower case alphabetical
		Alphanumeric				characters,
		characters				Double-byte characters,
						@ - () :
Comment	Text	-	-	Up to 256	-	
Resource path	Text	Single-byte	Yes	Up to 128	-	Entered by searching.
		alphanumeric				
		characters				
Resource Name	-	-	-	-	-	Entered automatically
Access Code	-	-	-	-	-	from resource path
Access code	-	-	-	-	-	settings.
name						
Data format	-	-	-	-	-	
Extraction	Text or	Single-byte	-	-	-	Entered in YYYY/MM/DD
condition (time)	calendar	numerals				HH:MM:SS format

Memo

- Resources without an access code cannot be selected.
- Resources with an access code, but without an R permission, or not under the resource with a G permission, cannot be selected. If without permissions, modify the access code settings from the access code menu (Chapter 4.7.5 (3)).
- The error collection resource "_error" added by the system when creating a tenant cannot be selected.

[2] Judgments based on data content

This section describes the procedure to use when you prefer to set event judgment conditions to cases when data is written to a specific resource, combined with when data content changes to a specific status.

1. Perform the operation described in Chapter 4.8.1 (1).

2. Set the data position in the field shown as (1) in the figure. Input this in JSONPath format.

3. Set the search conditions in the field shown as (2) in the figure.

4. Set resolutory conditions in the field shown as (3) in the figure if necessary. Refer to Chapter 3.6.3 for more information about resolutory condition specifications.

L	Notification Location					-)	^
×.	Determination (1	nify Start		Notify End Time			
D	Determination (2)	~)			
¢.	Cancellation	~	×	1			
	(3)	Email 🗡	 				interests (
19	Email Address*						
	Subject						
	Body						
	Cancel					Add	×

Entry	Entry format		Required	No. of	Initial	Notes
name	Input method	Character type		characters	display	
Data path	Text	Refer to Notes	-	Up to 1902	-	Refer to Chapter3.6.1
Extraction condition (type)	Pull-down	-	-	-	-	Selectable from a numerical value/character string
Extraction condition (value)	Text	Single-byte alphanumeric characters	-	Up to 64	-	Usable characters Numbers, upper and lower case alphabetical characters,
Extraction condition (condition)	Pull-down	-	-	-	-	If "Numerical value" is selected as the detection condition (type) Select from match/no match/or more/or less/less than/more than. If "Character string" is selected as the detection condition (type) ->Selectable from perfect match/partial match
Resolutory condition (type)	Pull-down	-	-	-	-	Selectable from a numerical value/character string
Resolutory condition (value)	Text	Single-byte alphanumeric characters	-	Up to 64	-	Usable characters Numbers, upper and lower case alphabetical characters,
Resolutory condition (condition)	Pull-down	_	-	_	-	If "Numerical value" is selected as the detection condition (type) Select from match/no match/or more/or less/less than/more than. If "Character string" is selected as the detection condition (type) ->Selectable from perfect match/partial match

ANote

- Data content-based judgments are unavailable for use if the resource entered into the resource path is in a

binary data format.

- Detection condition fields and resolutory condition fields cannot be entered if the resource entered into the resource path is in a binary data format.
- If the resource path field is changed to a resource path with a binary data resource, any content input into detection condition fields and resolutory condition fields will be deleted.

4.8.2 Add Events (Action Settings)

The settings described in this chapter are provided as an extension from the Add Event (Judgment Settings) described in Chapter 4.8.1.

[1] Email settings

Select the action contents shown as
 in the figure.
 Select Email.

2. Set the email address to send emails to in the field shown as (2) in the figure.

3. Set the subject line in the field shown as (3) in the figure.

4. Set the text of the email in the field shown as (4) in the figure.

5. Click Add to finish configuring Add Event settings.

Notification Location					
Determination	Notify Start		T ~ Notify End Time		r r
Determination	~	~			
Cancellation	~	×			
Action*	(1)				
Email Address*	(2))	
	(3))	
	(4)				
					~

Entry name	Entry format		Required	No. of	Initial	Notes
	Input	Character		characters	display	
	method	type				
Action	Pull-down	-	Yes	-	-	Selectable from Email/Call API
Email address	Text	Single-byte alphanumeric characters	Yes	Up to 254	-	E-mail address format
Subject	Text	Optional	-	Up to 256	-	
Body	Text	Optional	-	Up to 140	-	When left empty, this service will automatically insert an "Event Occurs" message when sending emails.

Input parameters

A notification message will be sent as an attachment to the email address specified. Refer to Chapter 7.3 for more information about the contents of the notification message. [2] API caller settings

Select the action contents shown as
 in the figure.

Select the API caller here.

2. Set the calling destination URI in the field shown as (2) in the figure.

3. Set the HTTP method in (3).

4. Set the authentication ID and password in the fields shown as (4) in the figure if the calling destination is compatible with Basic Authentication.

5. Set the HTTP headers and header values if necessary in the fields shown as (5) in the figure. (Up to ten variations acceptable.)

6. Set the HTTP body value if necessary in the field shown as (6) in the figure.

7. Click Add to finish configuring Add Event settings.

ure (2)		
Method" (3) POST V		
Authentication	Authentication Passwd	
Field Name1	Field Value1	
Field Name2	Field Value2	
Field Name(5)	Field Value3	
Field Name4	Field Value4	
Field Name5	Field Value5	
Field Name6	Field Value6	~
Cancel		Add
NAMES OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTIONO	Field Value3	Add
Cancel	Field Value3 Field Value4	
Cancel Event Registration Field Name3		
Cancel Event Registration Field Name3	Field Value4	
Cancel Event Registration Field Name3 Field Name5	Field Value4	
Cancel Event Registration Field Name3 Field Name5 Field Name6	Field Value4 Field Value5 Field Value6	
Cancel Event Registration Field Name3 Field Name5 Field Name6 Field Name7	Field Value4 Field Value5 Field Value5 Field Value7	
Canneal Event Registration Field Name3 Field Name5 Field Name6 Field Name7 Field Name7 Field Name7 Field Name7	Field Value6 Field Value5 Field Value6 Field Value6 Field Value7 Field Value8 Field Value8 Field Value8	

Entry name	Entry format		Required	No. of	Initial	Notes
	Input method	Character type	nequired	characters	display	
URI	Text	Single-byte alphanumeric characters	Yes	Up to 256	-	-
Method	Pull-down	-	Yes	-	-	Selectable from GET/POST/PUT/DELETE/HE AD/ OPTIONS/TRACE
Authentication ID Authentication password	Text	Single-byte alphanumeric characters	-	Up to 20	-	
Field name Field value	Text	Single-byte alphanumeric characters	-	Up to 20 Up to 512	-	

Input parameters

Body	Text	Single-byte	-	Up	to	-	This service will
		alphanumeric		1024			automatically apply a
		characters					notification message
							(refer to Chapter 7.3) if
							nothing is set for the
							body. A notification
							message will not be
							applied if a value is set.

4.8.3 Searching for Events

This section describes the process of searching for events to change event settings and display a list of events.

1. Enter the search keys into the fields shown as (1) in the Event screen, and then click (2) Search to display the search results at the bottom of the screen.

ivent List						Add
	quired information and cli ols are @-(), in Event Na					
Event ID	(1)		(Exact Match)	E	vent Name	(Dorward Match)
Resource P	ath		(Forward Match)		lesource Name	(orward Match)
		(2)				(2) Search
results (D sele		(3)				(2)
	nt ID	Event Nome		Resource Path		Resource Name
947	//#405051	iventLode1		DataBerrarce001		DataBesource003
	77+640051	EventCode2		DataRanource200		DataResource200

- Click (3) to sort the search results.

Refer to Chapter 7.2 for more information about the display order for sorting.

ANote

- Avoid entering only an underscore (_) into the event name, resource path or resource name fields and then pressing the Search button, as doing so will retrieve all events in the search results.

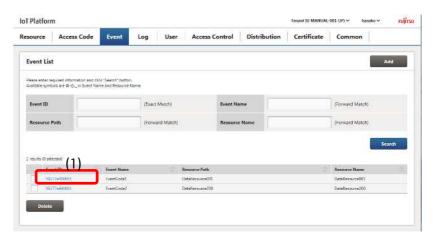
4.8.4 **Changing Event Settings**

1. Display the event that you prefer to reconfigure using the Search Events function described in Chapter 4.8.3.

2. Click the event ID (1) of the event you prefer to change.

3. When the Event Information Update screen appears, select the settings you prefer to modify.

*Refer to Chapter 4.8.1 and 4.8.2 for more information about parameter settings.



T Platfor	ni-		Tenant III MANUAL-OIT UPDA - Bandhila - 1				
source	Event Information	n Update	Delete				
Event Li	Please enter required inform Available symbols are @-();	nation and click "Update" botton. ("Indicates required field) in Event Name, Resource Name and Access Code.					
Taxane united	Event ID	59277e400051					
Avadebile byo	Event Name	EventCode1					
EventID	Comment	[
Resource	Resource Path*	Search DataRescurce001					
	Resource Name	DataResource001	narchi				
1 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 -	Access Code*	AccessCode001					
	Access Code Name	AccessCode001					
Deire	Data Format*	JSON					
	Notification	1					

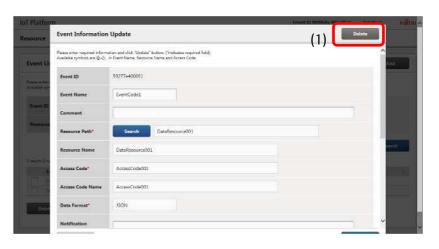
[1] Deleting events

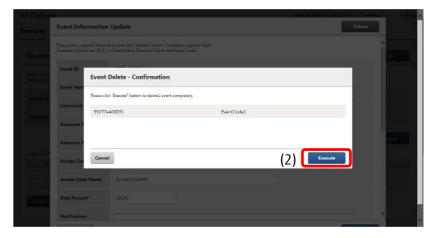
1. Display the event that you prefer to delete using the Search Events function described in Chapter 4.8.3.

2. Click the event ID of the event you prefer to delete.

3. When the Event Information Update screen appears, click (1) for Delete.

4. Click OK (2) after confirming the contents of the Confirmation screen when it appears.





ANote

- Once deleted, event information cannot be recovered. Customers are responsible for using caution in checking which event to delete before deleting them.

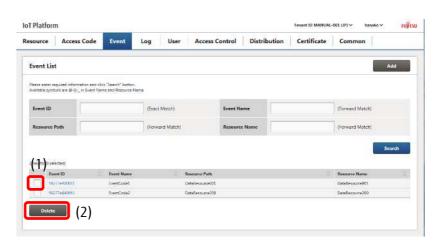
4.8.5 Batch Deleting Events

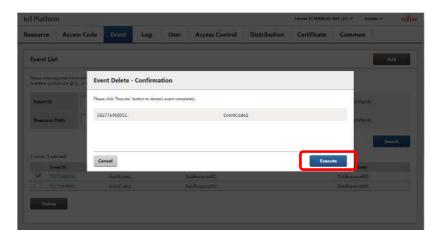
1. Display the event that you prefer to delete using the Search Events function described in Chapter 4.8.3.

2. Select the check box (1) to the left of the event you prefer to delete. Select multiple check boxes to delete multiple events at once.

3. Click (2) for Delete.

4. Click Execute after confirming the contents of the confirm deletion screen when it appears.





ANote

- Once deleted, event information cannot be recovered. Customers are responsible for using caution in checking which event to delete before deleting them.

4.9 Log Screen

Click Log in the Main screen to display the Log screen. The Log screen consists of four screens, Usage, Operation Log, Usage Log, and System Log.

4.9.1 Usage Screen

[1] Download monthly usage amounts

Downloads a usage amount log for the month specified. Downloads results up to previous three months.

The content shown in a monthly usage amount log is as follows.

- Number of resources (history of resources registered by day)

- Amount of disk use (in MB) (history of disk space used by day)
- Amount of Normal API use (cumulative one month total)
- Amount of Light API use (cumulative one month total)
- Amount of API Bulk use (cumulative one month total)
- Amount of Normal SSL use (cumulative one month total)
- Amount of Light SSL use (cumulative one month total)

- Amount of SSL Bulk use (cumulative one month total)
- Amount of Event use (cumulative total for the month)
- Communication volume (cumulative total for the month)

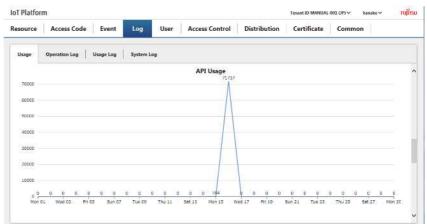
1. Specify the usage amount month you prefer to download in the field shown as (1) in the figure in the Usage Amount screen. You can either directly input this date, or click the calendar icon to select it.

2. Click (2) to specify the folder to save to on the device in use and save.

Tenant ID MANUAL 001 (JP) 🛩 hanako 🛩 FUJITSI)
Distribution Certificate Common
(2)
(2)
Download
urces 2
<u>\</u>
A

[2] Display graphs

Display graphs tracking usage amounts by day for the specified month. Results for the past year can be displayed. The following is displayed on the graphs.



Number of resources Amount of disk use Amount of API use Amount of SSL use Amount of Event use Communication volume

Memo

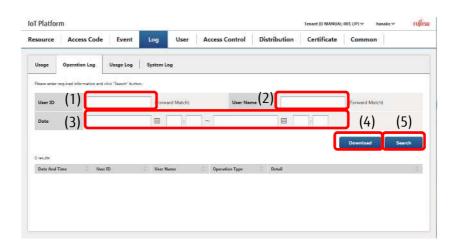
- The API usage amount displays the total number of uses for Normal API, Light API and API Bulk use.

- The SSL usage amount displays the total number of uses for Normal SSL, Light SSL and SSL Bulk use.

4.9.2 **Operation Log Screen**

Click the Operation Log tab in the Log screen to display the Operational Log screen.

The operation log refers to an operational history of all user operations, covering all access to the Service Portal for tenants under customer management, and all Service Portal operations. These logs can be used to check a history of operations for errors pertaining to resource, access code, event or other settings.



Number	Entry name	Description	Notes
(1)	User ID	Set when searching for operational logs.	Refer to [2]
(2)	User name	Set when searching for operational logs.	Refer to [2]
(3)	Date	Set when searching for operational logs.	Refer to [2]
(4)	Download	Downloads the operational log.	Refer to [1] and [3]
(5)	Search	Searches for operational logs.	Refer to [2]

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input method	Character type		characters	display	
User ID	Text	-	-	Up to 256	-	
User name	Text	-	-	Up to 32	-	
Date	Text/calendar	-	-	-	-	Usable characters:
						Numerical values

Memo

- Search results are output in Coordinated Universal Time (UTC). The format used is YYYY/MM/DD HH:MM+00.

[1] Batch download operational logs

1 . Click (1) without performing a search from the main Operation Log screen.

2. Specify the folder to save to on the device in use and save.

				System Lo	9					
Pla	eaus enter n	equired information and	efick "Search" butto	n.						
4	User ID			(Forwar	d Match)	User N			(Forward Match)	
c	Date					-	I			
								(1)	Download 1	Search
Dn	ness Inc.							()		
E	Data: And T	ime 🔅 Uve	r 10	Uver Na	me	Operation Type	Detail			

Memo

- Up to 92 days of operational logs for all users within a tenant can be downloaded.

- Clicking Download without performing a search will download all files including any operational logs found within all tenants. Click any parts other than Log in the Main screen, and then click Log in the Main screen again to return to the results retrieved from the search performed.

[2] Searching for operational logs

1 . Enter the user ID, user name, or the date that you prefer to search for in the fields provided in (1) on the main Operation Log screen. Enter the user ID or user name as prefix searches.

2. Click (2) for Search to display the search results.

source	Access Cod	le Event	Log	User	Acc	ess Control	Distributi	on Certifica	te Common	e l
Usage	Operation Log	Usage Log	System L	.og						
Please enter o	eouxed information a	nd click "Search" button.								
			Louron							
User ID	(1)		(Forwa	ard Match)		User Nam	c		(Forward Match	ht
Date	2015	1/05/24		10 : 00		2017/05/26		23 59		(2)
178 results									Download	Search
Date And T	ime I U	ser ID	User Na	ane	0	peration Type	Detail			
2017/05/26	01:24+00 ····	mako@mikas fujitau.com	hanaka		0	peration Log Search		tionLogUstSearchAction 1598(Notify Start Time=	User ID:::&User Name::&d 2017/05/241000	Notify End Time=20
2017/05/28	01:23+00 N	anako@rni.css.fujitscom	hanako		0	peration Log Screen	New Aug7abld	MemoryAction		
	01:23×00 %	mako@micas.fujits.ccom	Tanako		0	peration Log	/LogTabld	MenaryAction		
2017/05/26	AL 33 00	neko@micu.fujtu.com	hanake:		54	nten Log Refresh	/CSReadO	penationLogAction		
2017/05/26	00000+00 /5	and the second second								

- Clicking Search without setting any of the fields shown as (1) in the figure will display the operation logs of all relevant users for up to 92 days.

Memo

- If over 1,000 search results are returned, only the first 1,000 results will be displayed.

ANote

- Avoid entering only an underscore (_) into the user ID or user name fields and then pressing the Search button, as doing so will retrieve all logs in the search results.

[3] Downloading from operational log searches

You can download a file containing only the search results displayed by selecting Download from an operational log search result screen.

1. Click (1), having performed a search from the main Operational Log screen.

2. Specify the folder to save to on the device in use and save.

oT Platfor	m				2.1				Tenant ID MAN	JAL-001 (카) 오 hanako 오 기	ນທີ່ກรบ
lesource	Access	Code	Event	Log	User	Access	Control	Distribution	Common	1	
Usage	Operation	Log	Usage Log	System L	og						
Please enter o	equired inform	fion and ci	ick "Search" buttor	N.							^
User ID	Ţ			(Forwa	ed Match)		User Name			(Forward Match)	
Date		2016/08	/20		10 I 00	~ 201	6/08/22		23 i 59		
									(1)	Download Search	
95 results											
Date And T	lime :	User J	D	User Na	une	Operati	Operation Type D				
2016/08/22	05:51+00	Nanaki	o Omil cas lujicau co	er hanako	hanako		Operation Log Search		/CSOperationLogLintSearchAction7Liner1DcAUserNemec&NotityEndTimec20 16/08/322559&NonfyStertTimec2016/05/301000		
2016/08/22	05-51+00	heneks	o@ml.cocfujitou.co	e hanako		Operatio Iow	on Log List Screen V		KSDpeakonlogistisenth/chon/User/DuAliter/Name_Attatily Ind Time_2 16/06/2123396Nodry Start Time=20(6/08/19)000		
2016/08/22	0551+00	teneki	o Omi cestigiesi co	m hanaloo		Operato	on Log Search		LogListScarchAction?Us &Notify Start Times 201	er ID+&User Name+&Notily End Time+20 6/08/101000	
2016/08/22	95 50 + 00	heneka	o Meri 133 Tuiitsa 10	m hanako		Operatio	on Log List Screen V	/CSOperation	LogListSeechAction?Us	er ID::&Use: Name::&Notify End Time::20	~

4.9.3 Usage Log Screen

Click the Usage Log tab in the Log screen to display the Usage Log screen. You can download usage amount logs recorded by day as of the date specified. You can download logs by day up to previous 92 days.

The content shown in a usage amount log is as follows.

- Number of resources
- Amount of disk use (in MB)
- Amount of Normal API use (in no. of times used)
- Amount of Light API use (in no. of times used)
- Amount of API Bulk use (in no. of times used)
- Amount of Normal SSL use (in no. of times used)
- Amount of Light SSL use (in no. of times used)
- Amount of SSL Bulk use (in no. of times used)
- Amount of event use (in no. of times used)
- Communication volume (in MB)
- Use trace logs

1. Specify the date for the log you prefer to download in the field shown as (1) in the figure in the main Usage Log screen. You can either directly input this date, or click the calendar icon to select it.

2. Click (2) to specify the folder to save to on the device in use and save.

IoT Platforr	n						Tenant ID MANUAL	-B91 (JP) 🗸 banaka 🛩 PUJITSU
Resource	Access Code	Event	Log	User	Access Control	Distribution	Common	
Usage	Operation Log	Usage Log	System Lo	9				
Daily	(1)							(2)
Target Da	· [] []							Download

[1] Using the Usage Log screen

This section describes the Usage Log format and how to reference information concerning charges from the Usage Log.

1. Log format

The Usage Log outputs one line for each use, namely API or event use. Each of the following items is output on each line, separated by single-byte spaces.

Entry name	Description	Notes
Timestamp	Outputs the timestamp the log was output	Output example:
	in RFC3339 format.	2016-02-01T11:52:08.586808+09:00
	API use: Timestamp of the API use request	
	Event use: Timestamp of event judgment	
Tenant ID	Outputs the ID of the tenant used.	
Destination	Outputs the source IP address sending the	
	API request.	
Use code	Outputs the code used for access.	For API use: Access code
		For event use: Tenant ID
Message	Outputs a user-defined message for each	
	log.	

2. Confirming charge-related information

- API usage amount

You can count the number of API uses within a period output to a log by extracting uses with a transmission type of 1 (denoting API use) from the Usage Log and counting the number of lines. You can also reference the SSL use code for the extracted log to determine whether SSL is used for each API use.

ANote

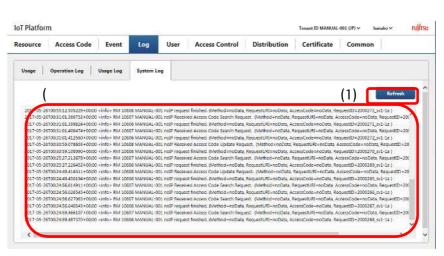
- The Usage Log is intended for customers to check API usage amounts to confirm the grounds for fees charged. Other log details irrelevant to the above shall not be disclosed.

4.9.4 System Log Screen

Click the System Log tab in the Log screen to display the System Log screen.

Refer to the System Log to confirm error details when internal service processing errors occur for processes that are performed by tenants under the customer 's control that are approved (2,000K received).

- Execution of event actions (Email, API)
- Transferring resources
- MQTT requests



Number	Entry name	Description	Notes	
(1)	View/refresh	View/refresh the System Log.	View is for the initial System Log	
			screen display.	
(2)	System Log	Display the System Log.	An empty border will be shown for	
	display area		the initial System Log screen	

	display.
--	----------

[1] View/refresh the System Log.

1 . Display the System Log screen and click (1) View. The System Log will appear.

*The scroll bar for the System Log display area will move to the bottom when the System Log is displayed. The View button will also change to the Refresh button.

2. Click Refresh once the System Log is displayed to show the most recent log information.

oT Platfor	m						Tenant ID MANUAL	-001 (IP) 🗸 hanako 🗸	កប្ប៉ា
esource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	_
Usage	Operation Log	Usage Log	System Lo	9				(1)	
			1					(1)	

Memo

- It may take several moments to display the System Log when it contains many line entries.

- If the System Log has over 5,000 entries, only the first 5,000 entries will be displayed.

[2] Using the System Log

This section describes the System Log format and how to reference various information from the System Log.

- System Log format

One line is output in the System Log for each event action or other process performed. Each of the following items is output on each line, separated by single-byte spaces.

Entry name	Description	Notes
Timestamp	Outputs the timestamp the log was output	Output example:
	in RFC3339 format.	2016-02-01T11:52:08.586808+09:00
Log level	Outputs the log level.	Displays one of the following.
		<emerg>,<err>,<warning>,<info></info></warning></err></emerg>
		Refer to log level details for more details.
Component	Outputs component names for the log	AO: Authorized
abbreviations	output origin in two-character abbreviated	DM: Data management
	format.	EJ: Event judgment
		ET: Event transmission
		IP: IP filter
		MP: MQTT parser
		MX: MQTT-Proxy
		PP: Pre-process FW
		RM: REST parser (management)
		RT: Transfer resource judgment
		SV: Service Portal
		RD: REST parser (data)

		TS: Transfer resource transmission
Message ID for	Outputs unique five digit decimal messages.	
basic functions		
Tenant ID	Outputs the tenant ID for the tenant	The following may be output as special
	executing the process.	tenant IDs.
		- Tenant IDs with an asterisk (*) at the end
		This shows processes performed while the
		authorization process has not been
		performed. Tenant IDs specified in API
		requests and other requests will be output.
		- iotpf
		This shows processes not initiated by the
		user, such as process initialization
		processes.
Sender IP	Outputs the IP address of the API publisher.	The following may be output as special
		sender IPs.
		- noIP
		Processes not initiated by the user, such as
		process initialization processes.
Message content	Outputs a user-defined message for each	
	log.	

Log level details

Log level	Content	Notes
warning	- Warning	
	Warning is output when a process has only	
	completed in part due to an error occurring	
	during the requested process.	
info	- Information	
	Shows application actions.	

(1) Confirming a log of event actions performed (API) from the System Log

Process

1. Search for the resource path accessed from the System Log detailing events close to the time when the resource was accessed.

2. Search for the component abbreviation "ET" representing event actions performed from the search results returned in step 1.

- When the API is successfully called, "Success to send transmissionData" will appear in the <info> log level.
 Starting with this, information on the calling destination URL and related resource paths, etc. will also appear.
 *When calling the API fails, "Failed to send transmissionData" will appear in the <warning> log level.
- 4. The request ID (ReqID) is output to the above-mentioned log, allowing you to search the System Log with this ID to retrieve a series of log information detailing processes from when a resource is accessed, to when an executed process completes.

Log example:

2016-02-23T10:52:33.428322+09:00 <info> ET 10506 SMPAPL-001 Success to send Transmission Data to http://sampleapp1.iot.jp.fujitsu.com/WebApl/AccessServlet. (ReqID=93942, ResourcePath=test, AccCode=) (ReqId=93942, ResourcePath=test, AccessCode=) (EventTransmissionForHttp.java:164) 2016-02-23T10:52:33.429069+09:00 <info> ET 10502 SMPAPL-001 Success to transmit event(http). Event Trigger Info(56cbb9f70011, test, create). Event Operational Info(http://sampleapp1.iot.jp.fujitsu.com/WebApl/AccessServlet, POST) (ReqId=93942, ResourcePath=test, AccessCode=) (ReceiveEvt.java:251)

(2) Confirming a log of event actions performed (Email) from the System Log

Process

1. Search for the resource path accessed from the System Log detailing events close to the time when the resource was accessed.

2. Search for the component abbreviation "ET" representing event actions performed from the search results returned in step 1.

- 3. When the email is successfully sent, "Success to transmit event." will appear in the <info> log level. *When email sending fails, "Fail to transmit event(smtp)" will appear in the <warning> log level.
- 4. The request ID (ReqID) is output to the above-mentioned log, allowing you to search the System Log with this ID to retrieve a series of log information detailing processes from when a resource is accessed, to when an executed process completes.

(3) Confirming the transfer of resources (transfer) from the System Log

Process

1. Search for the resource path accessed from the System Log detailing events close to the time when the resource was accessed.

- 2. Search for the component abbreviation "TS" representing resource (transfer) processes from the search results returned in step 1.
- 3. When the transfer process is successful "Success to send Transmission Data" will appear in the <info> log level. Starting with this, the transfer address URL will be output.
- 4. The request ID (ReqID) is output to the above-mentioned log, allowing you to search the System Log with this ID to retrieve a series of log information detailing processes from when a resource is accessed, to when an executed process completes.

Log example:

2016-02-23T10:58:23.004101+09:00 <info> TS 10406 SMPAPL-001 180.43.8.247 Success to send Transmission Data to http://sampleapp1.iot.jp.fujitsu.com/WebApl/AccessServlet. (ReqID=94330, ResourcePath=_fwd/image, AccCode=imageAccessCode) (Normal) (ResourceSendForHTTP.java:150)

(4) Confirming data added by MQTT requests from the System Log

Process

1. Search for the resource path accessed from the System Log detailing events close to the time of data being sent with MQTT.

2. Search for the component abbreviation "TS" representing data added from the search results returned in step 1.

3. When the data is successfully added, "Add of resource data succeed." will appear in the <info> log level.

Log example:

2016-02-23T10:57:39.110570+09:00 <info> DM 30001 SMPAPL-001 180.43.8.247 Add of resource data succeed.[DataLength=19] (ReqId=1010326, ResourcePath=test, AccessCode=) (MongoDbManage.go:155)

4.10 User Screen

Click User in the Main screen to display the User screen.

IoT Platform	n		1.5		14		Tenant ID MANUAL-	901 (P) ∀ hanako ∀	หมู่ทรม
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	
User List								(1)	¥dd
Please enter re	quired information and cli	ek Search button.							
User ID	(2)		(F cwar	d Match)	User Na			(orward Match)	
								(4)	sarch
0 results (0 selu Use					User Name				12
Delete									
(5)								

Number	Entry name	Description	Notes
(1)	Add	Adds a user.	Refer to Chapter 4.10.1
(2)	User ID	Set when searching for users.	Refer to Chapter 4.10.3
(3)	User name	Set when searching for users.	Refer to Chapter 4.10.3
(4)	Search	Deletes a user.	Refer to Chapter 4.10.3
(5)	Delete	Deletes a user.	Refer to Chapter 4.10.5

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input	Character		characters	display	
	method	type				
User ID	Text	Single-byte	-	Up to 254	-	E-mail address format
		alphanumeric				Refer to Chapter 4.10.4 and
		characters				4.10.3
User name	Text	-	-	Up to 32	-	Refer to Chapter 4.10.4 and
						4.10.3

4.10.1 Adding Users

You can add users by clicking Add on the User screen. This section describes how to use the User Registration screen.

All Rights Reserved, Copyright©FUJITSU LIMITED 2016-2018

73

1. Enter the user ID into the field shown as (1) in the figure. Make sure to enter in an email address format.

2. Enter the user name into the field shown as (2) in the figure. Enter a comment if necessary into the field shown as (3) in the figure.

3. Select the language the screen after login appears for the login user in the field shown as (4) in the figure.

4. Click (5) Add.

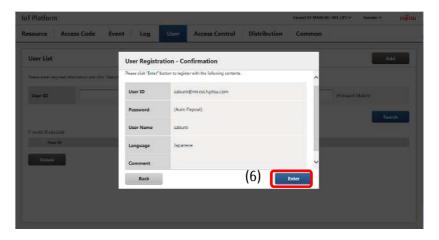
Notes on input parameters

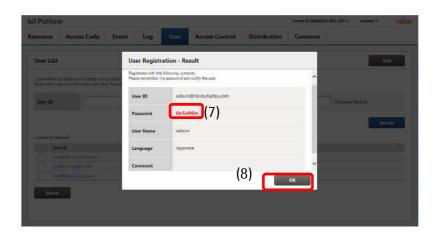
Entry	Entry format		Required	No. of	Initial	Notes
name	Input method	Character		characters	display	
		type				
User ID	Text	Single-byte	Yes	Up to 254	-	E-mail address format
		alphanumeric				
		characters				
User name	Text	Optional	-	Up to 32	-	
Language	Pull-down	-	Yes	-	Japanes	Select from Japanese and
					е	English
Comment	Text	Optional	-	Up to 256	-	

5. If there are no problems when the User Registration - Confirmation screen appears, click (6) to continue.

6. Take a note of the password for the user added which appears in the field shown as (7) in the figure.

7. Click (8) OK. Notify the added user of the password appearing in the field shown as (7) in the figure.





Memo

- Reset the password if you have forgotten the password noted down. Refer to Chapter 4.10.4 (1) for more details.

4.10.2 Changing Password

Passwords can be changed from the Main screen. Refer to Chapter 4.5.3 for more details.

4.10.3 Searching for Users

1. Enter the user ID or user name of the user you prefer to search for as a prefix-match in the fields provided in (1) in the figure.

2. Click (2) to display the users matching the search keys entered at the bottom of the screen.

3. Click the user ID in (3) to display the User Information Update screen.

cess Code	Event	Log	User	Access Control	Distribution	Certificate	Common	
								Add
momenta on and circ	is "Caarch" hulling							
			and the second	0000000000	~			
		(Forw	ard Match)	User Nar	ne Alt		Forward Match)	
							(2)	Search
					(4)		(2) 👢	Search
(3))							
hýhurom	_				eni.			
					mudes			
Lesstubsucom								
	1) (3)	(3)	(3) Less figituser	(3)	(3)	1) (Forward Match) User Name (3) (4) Less hightsum	1) (Forward Match) User Name (3) (4) Irra bijthoursm	1) (Forward Match) (3) (4) (2) (restrictions restrictions restrictions (4) (2) (restrictions

- Click (4) to sort the search results. Refer to Chapter 7.2 for more information about the display order for sorting.

A Note

- Avoid entering only an underscore (_) into the user ID or user name fields and then pressing the Search button, as doing so will result in all users being retrieved in the search results.

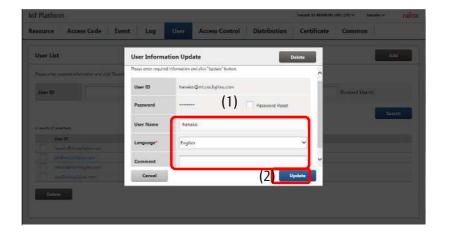
4.10.4 Changing Users

1 . Display the User Information Update screen for the user you prefer to change by following the procedure described in 4.10.3.

2. Edit the user name, language and comment in the fields shown as (1) in the figure.

3. Click (2) Update to display the update confirmation screen. Click (3)

[1] Resetting passwords



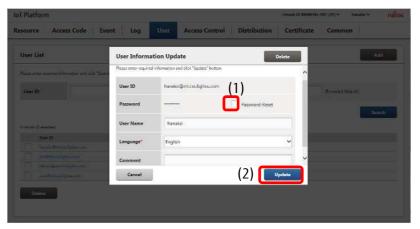
You can reset a password if you have forgotten it. Ask a system administrator at your company to reset the password.

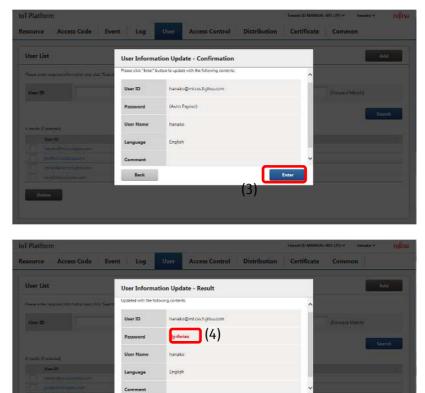
1 . Display the User Information Update screen for the user you prefer to reset the password for by following the procedure described in 4.10.3.

2. Select the (1) Password Reset check box, and then click (2) Update.

3. When the User Information UpdateConfirmation screen appears, click(3) Enter to reset the password.

4. The reset password will appear in the field shown as (4) in the figure in the User Information Update - Confirmation screen. Notify the user





ок

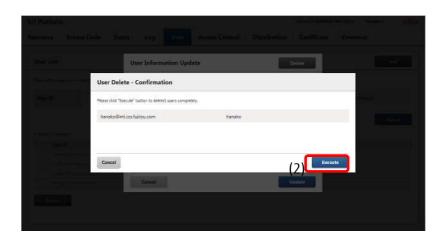
[2] Deleting users

1 . Display the User Information Update screen for the user you prefer to delete by following the procedure described in 4.10.3.

2. Click (1) for Delete.

3. When the User Delete -Confirmation screen appears, click (2) Execute to delete the user.

User List	User Informa	tion Update	(1) 🚺	Delete		Ass
These or the report of the realist and of the Tax	Please enter required	information and click "Update		~		
Unit	User ID	hanako@ml.css.fujits	uu.com		Donard Marine	
	Password		Password Reset		10	
Country of American	User Name	hanako				Search
New M	Language	English		~		
	Comment			~		
	Cancel			Update		
estin-						



4.10.5 Batch Deleting Users

1 . Display the users you prefer to delete by searching for the users using the procedure described in 4.10.3.

2. Select the check box of the users you prefer to delete, shown as (1) in the figure, and then click (2) Delete.

3. When the User Delete -Confirmation screen appears, click (3) Execute to delete the user.

	Access Code	Event	Log	User	Access Control	Distribu	tion	Certificate	Common
User List									Add
Please enter res	quied information and da	ck "Search" huttor	5						
User ID	1		(Forw	ard Match)	User Nam	14	-		(Forward Match)
									Swarch
(relate)(D sele	scied)								2a
Use	e iD						User Na	nie	
Tan	ເສັດເປັກເປັນຈະກົງມີສະເດງກາ						hanako		
and the second se	Sulisilation						jin.		
and See							sabure		
	uro Ordaas lajisaa oo								

IoT Platform					Lenand ID MARKING-BOI	UPIN Banako M PURTSA.
Resource Access Co	ode Event Log	Uper A	ccess Control	Distribution	Certificate	Common
User List						
Personantalian	User Delete - Confirmat	ion				
User ID	Rease slick "Execute" button to delete) uners completely.				i many
	hanako@ml.css.fujitsu.com		hanako			Suidy)
Aresulta (Eselectica)						
teriti V secolo solita					1 Internation	
	Cancel			-Minit	Execute	
				1915		
Bellete						

ANote

- Users subject to Service Portal access control cannot be deleted. Remove those users from Service Portal access control in order to delete them. Refer to Chapter 4.11.1 for more information about Service Portal access control.

4.11 Access Control Screen

Click Access Control in the Main screen to display the Access Control screen.

The Access Control screen consists of two screens, the Service Portal Access Control screen, and the Access Code Access Control screen.

Service Portal	Access Code								
Service Porta	l - Access Cor	ntrol List						1	Add
Plaana arber respured	information and dis	ik "Seench" Jumpy	to enour result						
Permitted 1P address			Forwa	ard Match)	User ID			(Forward Match)	
l cesults (S celecteri)								1	Search
Pamitta	i IP address					- (ber ID		-

4.11.1 Service Portal Access Control Screen

Click the Service Portal tab in the Access Control screen to display the Service Portal Access Control screen.

T Platform					a to the second s	Distribution	Tenant ID MANUAL		nako v 🛛 🕅
source	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	1
Service Ports	Access Code								
Service Po	rtal - Access Co	ntrol List							Add
ilaane artar 192	u with information and chi	ik "Saarch" burbor	ta en secre et e	а.					
Permitted 1 address	P		Gom	and Match)	User ID			(Forward Match	N
cetuitt (C celec									Search
Pas	nitted JP address					÷ 0	war ID		
Delete									

You can add combinations of users within customer tenants allowed access to the Service Portal and permitted IP addresses on the Service Portal Access Control screen. You can allow ranges of permitted IP addresses, for example, IP addresses from 10.11.22.33-10.11.22.44. Users attempting to access the Service Portal will be denied access if the IP address for the terminal in use differs from the permitted IP address range for the user.

Memo

- Users that are not associated with a single permitted IP address may access the Service Portal from any terminal, regardless of its IP address.

Number	Entry name	Description	Notes
(1)	Add	Adds Service Portal access controls.	Refer to Chapter 4.11.1(1)
(2)	Permitted IP address	- Set when performing Service Portal access control searches.	Refer to Chapter 4.11.1(2)
(3)	User ID	- Set when performing Service Portal access control searches.	Refer to Chapter 4.11.1(2)
(4)	Search	- Search for Service Portal access controls.	Refer to Chapter 4.11.1(2)
(5)	Delete	- Deletes Service Portal access controls.	Refer to Chapter 4.11.1(4)

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input method	Character type		characters	display	
Permitted IP address	Text	Single-byte numerals	-	Up to 15	-	Usable characters: Single-byte numerals [.]
User ID	Text	Single-byte alphanumeric characters	-	Up to 254	-	

[1] Adding Service Portal access controls

The following screen will appear when you click Add on the Service Portal Access Control screen described in Chapter 4.11.1.



Number	Entry name	Description	Notes
(1)	Permitted	Set the range of IP addresses permitted	Refer to permitted IP address settings
	IP address	access.	
(2)	Comment	Allows users to set user-defined Service	
		Portal access control summaries, etc.	
(3)	User ID	Set when searching for users.	Refer to permitted user settings
(4)	User name	Set when searching for users.	Refer to permitted user settings
(5)	Search	Retrieves users.	Refer to permitted user settings
(6)	Add	Adds the selected user as a permitted user.	Refer to permitted user settings
(7)	Release	Removes the selected user from the	Refer to permitted user settings
		permitted user list.	
(8)	Cancel	Cancels adding Service Portal access controls	
		and closes the screen.	
(9)	Add	Adds Service Portal access controls with the	
		settings applied.	

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input method	Character		characters	display	
		type				
Permitted IP	Text	Single-byte	Yes	Up to 15	-	Usable characters:
address		numerals				Single-byte numerals [.]
(start)						
Permitted IP	Text	Single-byte	-	Up to 15	-	Usable characters:
address (stop)		numerals				Single-byte numerals [.]
Comment	Text	Single-byte		Up to 256	-	Usable characters:
		numerals				Single-byte/double-byte/sy
						mbols (Japanese input
						allowed)
User ID	Text	Single-byte	-	Up to 254	-	
		alphanumeric				
		characters				
User name	Text	Refer to	-	Up to 32	-	Usable characters:
		Notes				Single-byte/double-byte/sy

			mbols (Japanese input allowed)	
--	--	--	-----------------------------------	--

- Permitted IP address settings

1 . Enter the initial and ending permitted IP addresses in (1). Enter a comment if necessary.

IoT Platform				Innert JD MANUAL-001 (F	Dir Annako y Alijitsu
Resource Access Code	Access Code - Acces	s Control Registratio	n (1)		mmon
	Please enter required information	on and click "Add" button. ("Indica	ntes required fields)	^	
Service Partal Access Co	Permitted IP address	Start*	- Stop		
Access Code - Access C	Comment	-			1040
Para provident international	Access Code Search				
Purmitted IP Solding	Access Code		(Forward Match)		and Marril
	Access Code Name		(Forward Match)		Such
Disastin (Disasternet)		Sea	arch		
Provident IP address	3 results (D selected)				1
Delete	Select all				
	AccessCode001			~	e.
	Cancal			Add	

ANote

- The permitted IP address (stop) cannot be a smaller value than the permitted IP address (start).

- Permitted user settings

2. Enter the user ID or the user name you prefer to search for in (1).

3. Click Search (2) to display the search results.

4. Select the user from the search results (3), and then click \checkmark Add (4). This will add the selected user as a permitted user.

*To remove permitted users, select the user and click \blacktriangle Release.

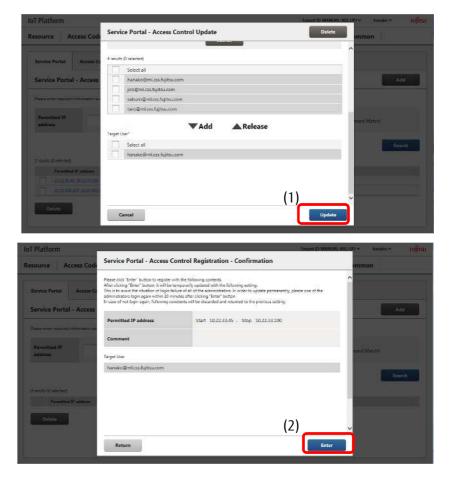
Resource Access Code	Access Code - Access Control Registration	ommon
liann ann l'ar c	Please enter required information and click 'Add' botton. ('indicates required fields)	^
Service Portal Access Cr	Permitted IP address Start* Stop	
Access Code - Access C	Comment	
Proce prior inquired information of	Access Cade Search (1)	
Permitted ID address	Access Cade (prward Match)	ward Match
	Access Code Name	Section
Synak Farmen	(2) Search	
Permitteri IP edideer	3 vesits (0 selected)	
Distanta -	Select all AccessCede001	
	Cancel	Add
		L L
ToT Platform		II MANUAL-HIE LINY NINYKKY INJIISU
Resource Access Cod	Service Portal - Access Control Update	Delete
Service Portal Access Co	4 venuits (0 subsected) (3)	î
Service Portal - Access	Select all hanako@mi.css.fujitsu.com	
Para une activation autoration	jiro@milcos/ujitou.com saburo@milcos/ujitou.com	
Permitted IF	taro@micss.tujitu.com	
addinata	Targat User'	weed Minister
	Select al herseko@mlcos.fujitss.com (4)	Second
Zarada Bayesteri Termited IP address		
60.00		¥
	Cancel	Updata

- Add

5. Click Add (1).

6. Confirm the contents of the Confirmation screen when it appears, and then click Enter (2).

7. Login again as a user that has been permitted access within 10 minutes to apply settings.



Memo

- Up to five Service Portal access controls can be added per tenant.

ANote

- Login again as a user that has been permitted access within 10 minutes after adding/changing/deleting Service Portal access controls to apply settings.
- All setting changes will be automatically undone if you do not log in within 10 minutes of adding/changing/deleting Service Portal access controls.

(This is to prevent all users from being unable to log in due to misconfigured settings)

[2] Searching Service Portal access controls

You can search for Service Portal access controls from the Service Portal Access Control screen. This is mainly used to edit Service Portal access controls and to delete unnecessary Service Portal access controls.

1 .Enter the permitted IP address or the user name into the fields shown as (1) in the figure.

2. Click Search shown as (2) in the figure to display the search results at the bottom of the screen.

Click (3) to sort the search results. Refer to Chapter 7.2 for more information about the display order for sorting.

T Platforn					34				iko v Fuj
source	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	
Service Port	al Access Code								
Service Po	ortal - Access Co	ntrol List		- (*	1)				Add
lease enter re	puised information and clic	ek "Swarch" truthor	to show result		.)			_	
Permitted address	IP		Forward	ird Match)	User ID	- F		(onward Match)	(2)
			- A.		1-1			J .	
					(3)				Search
results (0 sele	ctedij								
Pen	mitted IP address				0	User ID			
102	2,35,45 10,22,33,100					hanako@wl.css.Ayitsu.ci	Det		
	2 200 100 10 22 200 100					jire@mf.cas.fujitau.com			

Memo

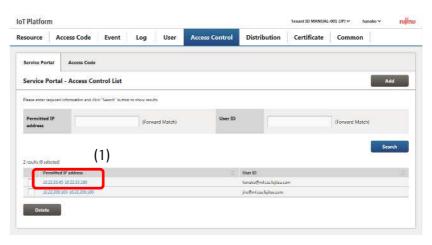
- All search keys are compatible with prefix-match searching.

[3] Updating Service Portal access controls

Click the Service Portal access control link after searching the Service Portal access control you prefer to modify to display the Service Portal - Access Control Update screen.

1 .You can search for the Service Portal access control you prefer to modify from the Service Portal Access Control screen. Refer to (2) for more information on searching.

2. Click the Service Portal access control you prefer to change settings for, shown as (1) in the figure, to proceed to the Service Portal - Access Control Update screen. The following provides a description of the changes and operation procedures that can be performed in the Service Portal -Access Control Update screen.



Memo

- Entry fields for the Service Portal Access Control Update screen are the same as that for the Service Portal Access Control Registration screen.
- Refer to (1) Service Portal Access Control Registration screen for more details.
- Changing permitted IP addresses
- 1 . Change the permitted IP addresses in (1). You can also change the comment if necessary.

oT Platform				ment III MANUAL 001	ary handsor mining
Resource Access Code	Service Portal - Acc	ess Control Update	(1)	Delete	mmon
	Please enter required informat	ing and click "Hodate" button ("lied		_	^
Service Partal Access C	Permitted IP address	Start* 10.22.33.45	- Stop 10.22.55.100	_	
Service Portal - Access	Comment	Ī.			Mil
Passa anter sensed seconditor as	User Search				
Permitted IP address	User ID		(Forward Match)		ward Matata
	User Name		(Forward Match)		Sourch
2 volulus (D princes)		Sea	rch		
Promitted III address	4 results (0 selected)				
1022300.000 1022200.0	Select all				
Actus -	hanako@ml.css.t	tujitsu.com			
Dalata	Cancel			Update	

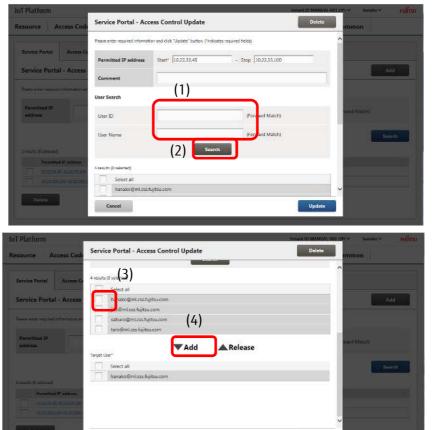
- Changing permitted users

1 . Enter the user ID or the user name you prefer to search for in (1).

2. Click Search (2) to display the search results.

3. Select the user from the search results (3), and then click \checkmark Add (4). This will add the selected user as a permitted user.

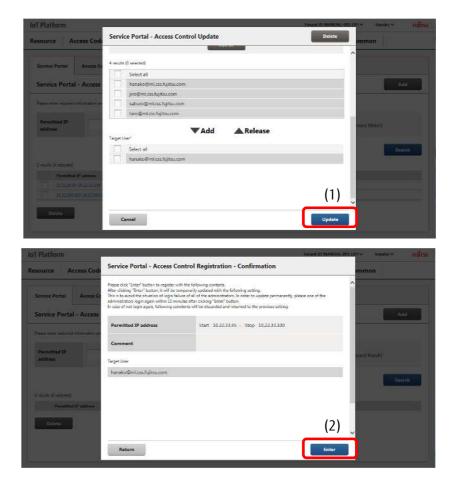
*To remove permitted users, select the user and click \blacktriangle Release.



Cancel

- Updating

- Click Update (1). 1.
- 2. Confirm the contents of the Confirmation screen when it appears, and then click Enter (2).
- 3. Login again as a user that has been permitted access within 10 minutes to apply settings.



[4] Batch deleting Service Portal access controls

Follow the procedure below to delete multiple Service Portal access controls in a batch.

1 .You can search for the Service Portal access controls you prefer to delete from the Service Portal Access Control screen. Refer to (2) for more information on searching.

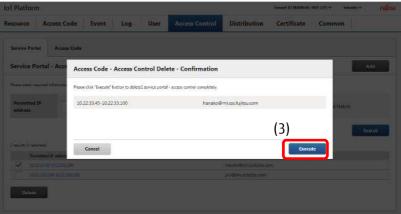
2. Select the check box (1) next to the Service Portal access control you prefer to delete. Select multiple check boxes when you prefer to delete multiple resources.

3. Click (2) Delete.

4. Click (3) Execute after confirming the contents of the Confirmation screen when it appears.

5. Login again as a user that has been permitted access within 10 minutes to apply the deletion changes.

Service Ports	al Access Code								
Service Po	ortal - Access Co	ntrol Li <mark>s</mark> t							Add
Nease enter res	pired information and cli-	ck "Search" button	to show result	ц.					
Permitted I address	P		(Forwa	ard Match)	User 1D	1		(Forward Match)	
1) restrictions filo sele	riedi								Search
Pass	nitted IP address					User ID			
	233.45-10.22.33.100					hereko@mtexhjihuz	om		
I Surv	2200.100-10.22.200.100					jin@nlew/ojhucon			
Delete) (2)								



ANote

- Login again as a user that has been permitted access within 10 minutes after adding/changing/deleting Service Portal access controls to apply settings. All setting changes will be automatically undone if you do not log in within 10 minutes of adding/changing/deleting Service Portal access controls. (This is to prevent all users from being unable to log in due to misconfigured settings)
- Deleted Service Portal access control information cannot be retrieved after the deletion changes have been applied. Customers are responsible for paying due care in checking which access code to delete before performing deletion actually.

4.11.2 Access Code - Access Control Screen

Click Access Code on the Access Control screen to display the Access Code - Access Control screen.

lesource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	
Service Por	tal Access Code								
Service P	ortal - Access Co	ntrol List							Add
Please entering	agained information and cl	ck "Search" bottor	to show resul	6					
Permitted address	IP		(Form	ard Match)	User 1D			(Forward Match	
D readin (D ce)	e(14)								Search
	mitted IP address					÷ 0	oer M		-
Delete									

You can add permitted IP addresses to associate with access codes within customer tenants on the Access Code - Access Control screen.

You can allow ranges of permitted IP addresses, for example, IP addresses from 10.11.22.33-10.11.22.44. Users will be denied access to access codes if the IP address for the terminal they are attempting to access differs from the permitted IP address range.

Memo

- Access codes that are not associated with a single permitted IP address may be used for access from any IP address.

Number	Entry name	Description	Notes
(1)	Add	Adds access code access controls.	Refer to Chapter 4.11.2[1]
(2)	Permitted IP address	Set when searching for access code access controls.	Refer to Chapter 4.11.2[2]
(3)	Access Code	Set when searching for access code access controls.	Refer to Chapter 4.11.2[2]
(4)	Search	Searches for access code access controls.	Refer to Chapter 4.11.2[2]
(5)	Delete	Deletes access code access controls.	Refer to Chapter 4.11.2[4]

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input metho d	Character type		characters	display	
Permitted IP	Text	Single-byte	-	Up to 15	-	Usable characters:
address		numerals				Single-byte numerals [.]
Access Code	Text	Single-byte	-	Up to 48	-	Usable characters:
		numerals				Single-byte numerals [-]

[1] Adding access code access controls

The following screen will appear when you click Add on the Access Code - Access Control screen described in Chapter 4.11.2.

IoT Platform			Tetat	e DE MANUAL DEL OPT M	INTERNAL INCOME
Resource Access Code	Service Portal - Acc	ess Control Registr	ation	mmon	
Transmission and the second	Please enter required informati	on and click "Add" button. ("in	dicates required fields)	^	
Service Portal Access C	Permitted IP address	start"	- Stop		
Service Portal - Access	Comment	1			Anti
Have only used has a formation of	User Search				
Permitiant (P address	User ID	[(Forward Match)	ward Maria	
	User Name	1	(Forward Match)		Seen
O marks O selected			Search		
Pre-Mark P Alizan	4 results (0 selected)				
Deleta	Select all				
	hanako@miless.t	ujitsu com		~	
ē	Cancel			Add	

Number	Entry name	Description	Notes
(1)	Permitted IP	Set the range of IP addresses	Refer to permitted IP address settings
	address	permitted access.	
(2)	Comment	Allows users to set user-defined	
		access code access control	
		summaries, etc.	
(3)	Access Code	Set when searching for access codes.	Refer to permitted access code
			settings
(4)	Access Code Name	Set when searching for access codes.	Refer to permitted access code
			settings
(5)	Search	Retrieves access codes.	Refer to permitted access code
			settings
(6)	Add	Adds the selected user as an access	Refer to permitted access code
		code permitted access.	settings
(7)	Release	Deletes the selected user from	Refer to permitted access code
		access codes permitted access.	settings
(8)	Cancel	Cancels adding access code access	
		controls and closes the screen.	
(9)	Add	Adds access code access controls	
		with the settings applied.	

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input method	Character		characters	display	
		type				
Permitted IP	Text	Single-byte	Yes	Up to 15	-	Usable characters:
address		numerals				Single-byte numerals [.]
(start)						
Permitted IP	Text	Single-byte	-	Up to 15	-	Usable characters:
address		numerals				Single-byte numerals [.]
(stop)						
Comment	Text	Refer to		Up to 256	-	Usable characters:
		Notes				Single-byte/double-byte/sy
						mbols (Japanese input
						allowed)

Access Code	Text	Single-byte numerals	-	Up to 254	-	Usable characters: Single-byte numerals [-]
Access Code Name	Text	Refer to Notes	-	Up to 32	-	Usable characters: Single-byte/double-byte/sy mbols (Japanese input allowed)

- Permitted IP address settings

1 . Enter the initial and ending permitted IP addresses in (1). Enter a comment if necessary

IoT Platform		Hennet III MARIAL-001 025 9 httms//www.itings/
Resource Access Code	Service Portal - Access Control Registration	minion
1	Please enter required information and click "Add" button. Pindicates required Selds	^
Service Portal Access Ce	Permitted IP adurdes	
Service Portal - Access	Comment	
Parties series security intermedian an	User Search	
Permitted IP address	User ID (Forward Match	ward Mardu
	User Name (Forward Matori	Starts
Receive (Partners)	Search	
Prinklind IF address	4 results () selected)	
Periete	Select all hanako@ml.ccs.fujitsu.com	
	Cancol	Add

ANote

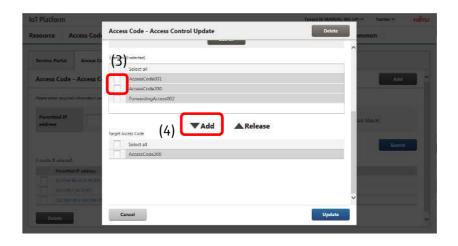
- The permitted IP address (stop) cannot be a smaller value than the permitted IP address (start).

- Permitted access code settings

- Enter the access code or the access code name you prefer to search for in (1).
- 2. Click Search (2) to display the search results.
- Select the access code from the search results (3), and then click Add (4). Adds the selected access code as an access code permitted access.

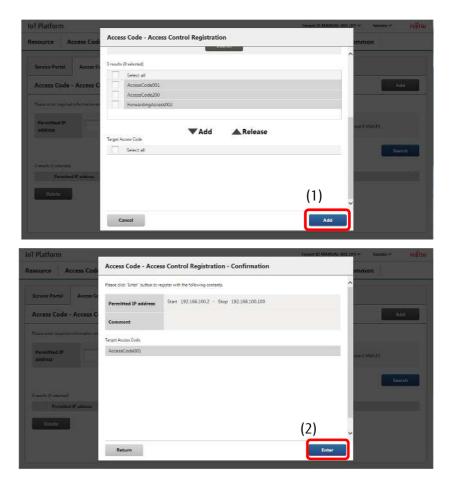
*To remove permitted access codes, select the access code and click

IoT Platform		Testant 3D MANUAL 201 (27) × 1unuko × Púlifitar
Resource Access Code	Service Portal - Access Control Registration	mmon
r (*	Prease enter required information and click "Add" button. Pindicates required fields	^
Service Purtai Acress Ct	Permitted IP address Start*	
Service Portal - Access	Comment	
Alter a part of the local sector of the sector of	User Search (1)	
Pervittal IP address	User ID (Forward Ma	at 1)
	User Name (Forward Ma	st ni
O results (C sensemal)	(a) Search	
Provided IF address	(2)	· · · · · · · · · · · · · · · · · · ·
Printer	Select all	
	hanako@iml.css.fujitsu.com	×
	Cancel	Add



- Add

- 1. Click Add (1).
- Confirm the contents of the Confirmation screen when it appears, and then click Enter (2)



Memo

- Up to five access code access controls can be added per tenant.

[2] Searching access code access controls

You can search for access code access controls from the Access Code - Access Control screen. This is mainly used to edit access code access controls, and to delete unnecessary access code access controls.

1 .Enter the permitted IP address or the access code into the fields shown as (1) in the figure.

2. Click Search shown as (2) in the figure to display the search results at the bottom of the screen.

Click (3) to sort the search results. Refer to Chapter 7.2 for more information about the display order for sorting.

esource	Access Code	Event	Log	User Ac	cess Control	Distribution	Certificate	Common	
Service Por	tal Access Code								
Access Co	ode - Access Cont	rol List							Add
Please enter te	spained in the second second		3) 37						
Permitted address	IP		Ferward	Matchi	Access Co	ie		(Fo ward Match)	
				(1)				ſ	Search
3 results (D nel	ncted)								(2)
	mitted IP address					ss Code			(2)
103	22,44,89-10,22,45,100					(3)			
	11,45,1-10,33,45,1 1268,100,2,192,368,100,100					ardingAccess002			
						isCode001			

Memo

- All search keys are compatible with prefix-match searching.

[3] Updating access code access controls

Click the access code access control link after searching and retrieving the access code access control you prefer to modify to display the Access Code - Access Control Update screen.

1 . Search for access code access controls from the Access Code - Access Control screen. Refer to [2] for more information on searching.

2. Click the access code access control you prefer to change settings for, shown as (1) in the figure, to proceed to the Access Code - Access Control screen. The following provides a description of the changes and operation procedures that can be performed in the Access Code - Access Control screen.

Event Log Use	Access Control	Distribution (ertificate Commor	ř.
trol List				Add
d: "Search" butten.				
(Forward Match	NJ Access Con	de 🗌	(Forward Matc	ra
				Search
				-
07				
	trol List d. "Send" futton.	trol List d. "Second Matchs	trol List a. "Second bullets Forward Matching Access Code Access Code Access	trol List a. "Second buttom Frankerd Matchin Frankerd Matchin Access Code Access Code Access

Memo

- Entry fields for the Access Code - Access Control Update screen are the same as that for the Access Code - Access Control Registration screen. Refer to (1) Access Code - Access Control Update screen for more details.

- Changing permitted IP addresses

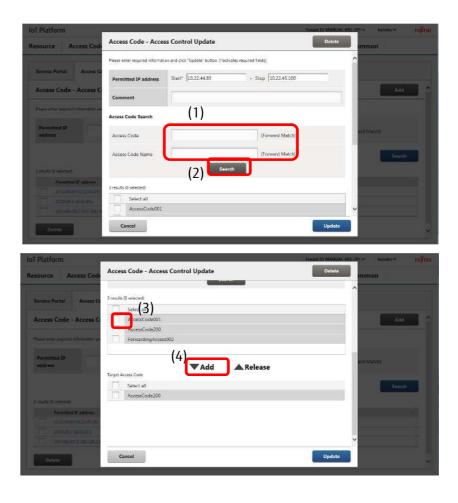
1 . Change the permitted IP addresses in (1). You can also change the comment if necessary.

Kesource Access Code Resource Portal Access Code	ccess Code - Access Control Update ase enternequined information and clos: 'Update' button, ('indicates required fields)	Delete
Service Portal Access Co		^
	Permitted IP address Start* 10.22.44.85 - Stop 10.22.45.100	
Access Code - Access C	Comment	- And - A
Fair en result de sale et	ccess Code Search	
Permitted IP edidress	kcess Code (Forward Match)	and Match3
	Access Code Name (Forward Match)	Sanda -
CRIMINAL DI ANOTHE C	Search	
Parameter D'addines	eaults (0 selected)	
101002010001	Select all	
IN THE MODIFICIAL PROPERTY OF	AccessCode001	~
Dalama	Cancel	Update

- Changing permitted access codes

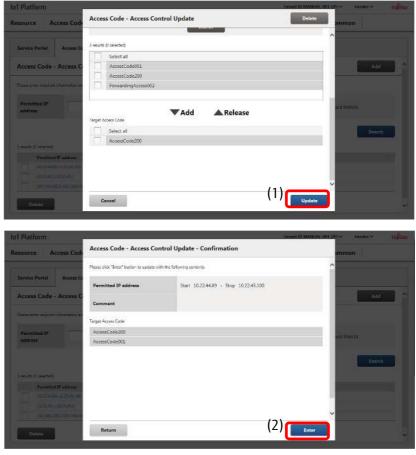
- 1. Enter the access code or the access code name you prefer to search for in (1).
- 2. Click Search (2) to display the search results.
- Select the access code from the search results (3), and then click Add (4). Adds the selected access code as an access code permitted access.

*To remove permitted access codes, select the access code and click Release.



- Updating

- 1. Click Update (1).
- Confirm the contents of the Confirmation screen when it appears, and then click Enter (2).



[4] Deleting access code access controls

Follow the procedure below to delete multiple access code access controls in a batch.

1 . Search for access code access controls you prefer to delete from the Access Code - Access Control screen. Refer to part [2] for more information on searching.

2. Select the check box (1) next to the access code access control you prefer to delete. Select multiple check boxes when you prefer to delete multiple resources.

3. Click (2) Delete.

4. Click (3) Execute after confirming the contents of the Confirmation screen when it appears.

esource /	Access Code	Event	Log	User	Access Cont	rol	Distribution	Certificate	Common		
Service Portal	Access Code										
Access Code	Access Contr	rol List								Add	
Please enter require	d information and click	"Search" butte	n.								
Permitted IP address	Ţ		(Forw	vard Matriti	Acc	ess Code			(Forward Match	ů.	
										Search	
S reads (1/a)es	ed IP address					Access C	ode				1.01
1230513133	E9-10.22.45.100					Accentio					
10.37.45	5-10.03.451					Forwardin	ngAccess(0)				
						AccessCo	defit:				
192.165.	1002-192168100100						22 C S S S S S				
192.168. Delete	(2)	Y									
Delete Platform) (2)			_				Terrat ID MANUA		unako 🛩	.99
Platform source A	(2)	Event	Log	User	Access Cont			Imint ID MARA			/90
Delete Platform source A	(2) ccess Code	Event	Log	User	Access Cont						
Diletio Platform source A Service Partur Access Code	(2) ccess Code Access Code	[Access Cont ete - Confirmat	rot					
Diletio Platform source A Service Partur Access Code	(2) ccess Code Access Code - Acces Acce	ss Code -	Access C	ontrol Dele		rot 4					
Platform Source A Service Partal Access Code	(2) ccess Code Access Cods -Acces Acces Initiated Preserve	ss Code -	Access C	ontrol Dele	ete - Confirmat	rot 4	Pistribution				
Doletie Platform source A Service Pertai Access Code Permitted IP	(2) ccess Code Access Cods -Acces Acces Initiated Preserve	ss Code -	Access C	ontrol Dele	ete - Confirmat	rot t	Distribution	Certificate	Common		
Deteri I Platform source A Service Portal Access Code Paratice Stranger Paratices IP address	(2) ccess Code Acces Code - Acces Acces 1022	ss Code -	Access C	ontrol Dele	ete - Confirmat	rot t	Distribution		Common		
Delete I Platform source A Service Portal Access Code Permitted IP middress Desite (3 servenil Teach (3 servenil	(2) ccess Code Acces Acces acces Acces acces Acces acces Acces acces Acces	ss Code - lick "Esecute" 2.44.89-10.22	Access C	ontrol Dele	ete - Confirmat	rot t	Distribution	Certificate	Common		
Deletei I Platform source A Service Portal Access Code Permitted IP eddress Permitted IP	(2) ccess Code Access Code A	ss Code - lick "Esecute" 2.44.89-10.22	Access C	ontrol Dele	ete - Confirmat	ro) (ion /// // ///	Distribution	Certificate	Common		

4.12 Distribution Screen

Click Distribution in the Main screen to display the Distribution screen. The Distribution screen contains the tps/bps distribution settings screen.

4.12.1 tps/bps Distribution Settings Screen

The tps/bps distribution settings screen sets the distribution policy based on the load status measured in tps (transactions per second) or bps (bytes per second).

loT Platfor	m							Tenant ID MANU	AL-001.()P) ❤	hanako 🗸	FUITS
Resource	Access Code	Event	Log	User	Access Cor	ntrol Dist	ribution	Common			
tps/bps											
Please make a When entire a When Recomm	equired information and of t least one. Recommend it witing is Disable, input informend resource is Disable, in mend resource is Disable, in able/Disable • O En	esource enable ormation can not be nout information of	e updated. I corresponde		Resouce can not be u	pdated					
Common Policy		commendation -1440Minutes)		60	Ţ						
		Iculating Period 1440Minutes)		120		(Please enter the	value of Reco	mmendation Cycle	or more.)		
Load Reso	ource * Re	source Path*		Search							
	Re	source Name									

Number	Entry name	Description	Notes
(1)	Entire	Used to enable/disable all distribution	
	Enable/disable	settings.	
(2)	Common	Use shared settings.	Refer to Chapter 4.12.1 [1] for more
	distributed policy		details on each item.
(3)	Load resource	Sets the resource recording the load	Refer to Chapter 4.12.1 [1] for more
		status.	details on each item.
(4)	Search (load	Searches resource paths when setting	
	resource)	load resources.	
(5)	Recommend	Set the resource used for	Refer to Chapter 4.12.1 [1] for more
	resources 1 to 3	recommendations.	details on each item.
(6)	Search	Searches resource paths when setting	
	(recommend	recommend resources.	
	resource)		
(7)	Update	Performs an update with the	
		information entered.	

[1] Updating tps/bps distribution settings

- Enable/disable all distribution policies
- 1. Enable/disable all distribution policies in (1).

	Resource	Access Co	de Event Log	User A	ccess Control Distribution	Common	
3	Resource	Access co	de Event Eog	User A	ccess control Distribution	Common	
	tps/bps						
	Please make a When untire a	t least one Recommendation in the second s	and click "Update" button. ("indica end Resource enable. at information can not be updated able, input information of correspi		e can not be updated.		
	1	ble/Disable *) Enable 🔹 Disable	(1)			
	Common Policy	Distributed	Recommendation Cycle (1-1440Minutes) *	60			
			Calculating Period (1-1440Minutes) *	120	(Please enter the value of Reco	mmendation Cycle or more.)	
	Load Reso	ource *	Resource Path*	Search			
			Resource Name				
			Access Code"				

ANote

- Information entered will not be updated when Entire Enable/Disable is set to Disable.

- Common Distributed Policy settings

1 . Set the recommendation cycle in (1).

2. Set the calculating period in (2).

IoT Platform	n						Tenant ID MANUAL-001 (JP) V hanako	en Pujitsu
Resource	Access Code	Event	Log	User	Access Control	Distribution	Common	
tps/bps								
Please make at Whan entire as When Recomm	equired information and treast one Recommend etting a Divable, input i nend resource is Disable ble/Disable = 0	Resource enable: iformation can not b s, input information i	e updeted. at corresponder		Resouce can not be updated.			1
Common I Policy		Recommendatio (1-1440Minutes)		60				
		Calculating Perio (1-1440Minutes)		120	(Pies e	enter the value of Reco	mmendation Cycle or more)	
Load Reso	iurce *	Resource Path*	(2)	Search				
		Resource Name						
		Access Code"						~

Number	Entry name	Description	Notes
(1)	Recommendation Cycle	Set the interval used for recommendations.	
(2)	Calculating Period	Set the interval used for calculating load status.	

Notes on input parameters

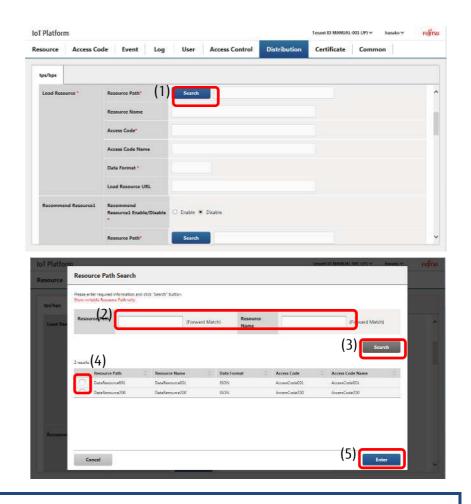
Entry name	Entry format		Required	No. of	Initial	Notes
	Input method Character type			characters	display	
Recommendatio n Cycle	Text	Single-byte numerals	Yes	-	60	Available values: 1 to 1440 (Unit: Minutes)
Calculating Period	Text	Single-byte numerals	Yes	-	120	Available values: 1 to 1440 (Unit: Minutes)

- Load resource settings

1 . Click (1) Search to display the Resource Path Search screen.

2. Enter the resource path or the resource name in the fields shown as (2) in the Resource Path Search screen, and then click Search (3).

 Select the resource path you prefer to configure from the search results (4), and then click Enter (5).



ANote

- Resource(transfer) type resources and binary-data resources cannot be set to load resources.
- The error collection resource "_error" added by the system when creating a tenant cannot be set to load resources.

* The resource and access code used for the load resource must be configured on the Resource screen and the Access Code screen before they can be retrieved in a search.

Number	Entry name	Description	Notes
(1)	Search	Displays the Resource Path Search	
		screen.	
(2)	Resource path	Sets the resource path.	Select by searching for the resource
			path.
(3)	Resource	Sets the resource name.	Entered automatically from resource
	name		path settings.
(4)	Access Code	Sets the access code.	
(5)	Access code	Sets the access code name.	
	name		
(6)	Data format	Sets the data format.	

(7)	Load resource	Sets the load resource URL.	
(7)	Load resource		
	URL		
	UNL		

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input	Character		characters	display	
	method	type				
Resource path	Text	Single-byte	Yes	Up to 128	-	Select by performing a
		alphanumeric				search. The resource path
		characters				cannot be directly input.
Resource name	-	-	-	-	-	Entered automatically from
Access Code	-	-	-	-	-	resource path settings.
Access code	-	-	-	-	-	
name						
Data format	-	-	-	-	-	
Load resource	-	-	-	-	-	
URL						

Memo

- The Resource Path Search screen is the same as the Resource Path Search screen used in Chapter 4.8.1. Refer to Chapter 4.8.1 for more details.

- Configuring recommend resources

1 . Enable/disable recommend resource settings in (1).

2. Click (2) Search to display the Resource Path Search screen.

3. Enter the resource path or the resource name in the fields shown as(3) in the Resource Path Search screen, and then click Search.

4. Select the resource path you prefer to configure from the search results(4), and then click Enter.

5. Set the measurement type, the edge computing condition, and the above-mentioned resolutory condition in the fields shown as (5) in the figure.

lesource Access Co	de Event Log	User Access Control	Distribution Certificate	Common
tps/bps				
Load Resource *	Resource Path*	Search		
	Resource Name			
	Access Code*			
	Access Code Name			
	Data Format *			
	Load Resource URL			
Recommend Resource1	Recommend Resource i Bable/Disate	🔾 Enable 🖲 Disable		
	Resource Path 2)	Search		

ze inte	ource Path Search					
Show	enter required information ar writable Resource Firth only 3)	d dick "Search" hutton				
d Res	source lath	(Forwar	d Match)	Resource Name		Forward Match)
						Search
(4)	Jis Resumesc Path	Resource Name	Data F	rmat	Access Code	Access Code Name
1.1	DataResource001	DataResource001	ISON		AccessCede001	AccessCode501
					AccessCode200	
	DataResource200	DataResource200	SON		340653-006230	AccessCode200

oT Platforr								Tenant ID MANUAL		hanako 🗸	PUIT
lesource	Access Code	Event	Log	User	Access	Control	Distribution	Certificate	Common		
tps/bps											
	80	source name						1			
	A	cess Cade*									
	Ac	cesa Code Name									
	D	ita Format *									
	Re	commend Resol L	aree								
	tp	s/bps Selection '	\square	tps 💙							1
		ge Computing adition *		Numeric 🜱		Above 🛩	Notification Strin	•	1		
		ove-mentioned solutory Condit		Numeric 🗸		Under 🛩	Notification Strin	9			

MNote

- The error collection resource "_error" added by the system when creating a tenant cannot be used as the recommend resource.
- The resource and access code used for the recommend resource must be configured on the Resource screen and the Access Code screen before they can be retrieved in a search.

Number	Entry name	Description	Notes
(1)	Enable/disable	Enable/disable recommend resource	
		settings.	
(2)	Search	Displays the Resource Path Search screen.	
(3)	Resource path	Sets the resource path.	Select by searching for
			the resource path.
(4)	Resource name	Sets the resource name.	Entered automatically
(5)	Access Code	Sets the access code.	from resource path
(6)	Access code name	Sets the access code name.	settings.
(7)	Data format	Sets the data format.	
(8)	Recommend resource URL	Set the recommend resource URL.	
(9)	tps/bps selection	Select the load status measurement type.	
(10)	Edge computing condition	Set the edge computing condition.	
(11)	Above-mentioned	Set the edge computing resolutory	
	resolutory condition	condition.	

ANote

- When recommend resource settings are disabled all other recommend resource entry fields cannot be modified. Additionally, all other recommend resource entry fields will not be updated when updating the distribution policy in this state.

Notes on input parameters

Entry name	Entry format		Required	No.	of	Initial	Notes
	Input	Input Character		charact	ers	display	
	method	type					

Resource path	Text	Single-byt e alphanum eric characters	Yes	Up to 128	-	Select by performing a search. The resource path cannot be directly input.
Resource name	-	-	-	-	-	Entered automatically
Access Code	-	-	-	-	-	from resource path
Access code name	-	-	-	-	-	settings.
Data format	-	-	-	-	-	
Recommend resource URL	-	-	-	-	-	
Edge computing condition	Pull- down	-	Yes		-	Only a value can be selected.
Edge computing condition	Text	Single-byt e numerals	Yes	Up to 10	-	
Edge computing condition detection judgment	Pull- down	-	Yes		-	Only or more can be selected.
Edge computing condition notification character string	Text	Optional	Yes	Up to 10	-	
Resolutory condition character type selection	Pull- down	-	-		-	Only a value can be selected.
Resolutory conditions	Text	Single-byt e numerals	Yes	Up to 10	-	
Resolutory condition detection judgments	Pull- down		Yes		-	Only less than can be selected.
Resolutory condition notification character string	Text	Optional	Yes	Up to 10	-	

Memo

Up to three recommend resources, 1 to 3, can be set. The settings for each recommend resources are the same.

- Updating distribution settings

1. Click Update (1). This will apply the changed settings.

Resource	Access Code	Event	Log	User	Access	Control	Distribution	Certificate	Common	
tps/bps										
	D	ata Format *								
	Re	commend Res RL	ource							
	tp	s/bps Selection	n.*	tps 🌱						
		lge Computing andition *		Numeric 💙		Above 🗸	Notification String			
		sove-mentione solutory Cond		Numeric 🗡		Under 🗸	Notification String			
Charge will be	generated if updating in	Inable mode, Plea	se push Nipde	e' button d'it is	ok.				(1)	

4.13 Generate Certificate Screen

Click Generate certificate on the Main screen to display the Generate Certificate screen. The options available on the Generate Certificate screen will vary depending on the certificate format selected.

4.13.1 Generate Certificate Screen (Create New Certificate)

An item will appear to create a new certificate when selecting Generate new certificate as the certificate format on the Generate Certificate screen.

Here you can generate and download new client certificates.

oT Platform					Tenant ID MARUAL	001.05%~	haniko 🗸	(u)îtsi
Resource Access Code	Event Log	User	Access Control	Distribution	Contificate	Comm	an	
Certificate								
Flemenic les composition d'actualités au d'al de Plasse sans the game steel cartilities	Second InterPolate	anga sel fota)						
Certificate Generation Method	Chamaran	ng New Cartific	ite Schart Geologie	Signature				
Export Password*			T.					
VerHying Export Password *								
Expiration Period (1 9939 days)*								
CSR File*					Reference	1		
							Genera	-

Number	Entry name	Description	Notes
(1)	Certificate format	Select the certificate format.	
(2)	Signature hash algorithm	Display the signature hash algorithm.	Refer to Chapter 4.13.1 (1)
(3)	PEM pass phrase	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(4)	Export Password	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(5)	Verifying Export Password	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(6)	Public key length	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(7)	Period of validity	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(8)	Common name (CN)	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(9)	Country (C)	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(10)	Prefecture (ST)	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(11)	Municipality (L)	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(12)	Organization name (0)	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(13)	Organization unit name (OU)	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(14)	E-mail	Set when generating a certificate.	Refer to Chapter 4.13.1 (1)
(15)	Generate button	Generates the certificate.	Refer to Chapter 4.13.1 (1)

Notes on input parameters

Entry name	Entry form	at	Require	No. of	Initial	Notes
	Input	Character	d	characte	display	
	method	type		٢S		
Certificate format	Radio button	-	Yes	-	Create new certificat e	Select from Create new certificate and the certificate signature.
PEM pass phrase	Text	Refer to Notes	Yes	8 to 16	-	Usable characters: Upper and lower case alphabetical characters, numbers, # @ - () : .
Export Password	Text	Refer to Notes	Yes	8 to 16	-	Usable characters: Upper and lower case alphabetical characters, numbers, # @ - () :
Verifying Export Password	Text	Refer to Notes	Yes	8 to 16	-	Usable characters: Upper and lower case alphabetical characters, numbers, # @ - () :
Public key length	Radio button	-	Yes	-	2048bit	Select from 1024bit, 2048bit or 4096bit
Period of validity	Text	Refer to Notes	Yes	4	-	Can set from 1 to 9999 days
Common name (CN)	Text	Refer to Notes	Yes	32	-	Upper and lower case alphabetical characters, numbers, half-width spaces, # @ - () :t
Country (C)	Text	Refer to Notes	Yes	2	-	ISO 3166-1 alpha-2 Country code
Prefecture (ST)	Text	Refer to Notes	-	32	-	Upper and lower case alphabetical characters, numbers, half-width spaces, # @ - ():t
Municipality (L)	Text	Refer to Notes	-	32	-	Upper and lower case alphabetical characters, numbers, half-width spaces, # @ - () :t
Organization name (0)	Text	Refer to Notes	-	32	-	Upper and lower case alphabetical characters, numbers, half-width spaces, # @ - ():t
Organization unit name (OU)	Text	Refer to Notes	-	32		Upper and lower case alphabetical characters, numbers, half-width spaces, # @ - ():t
E-mail	Text	Refer to Notes	-	254	-	E-mail address format (RFC5321)

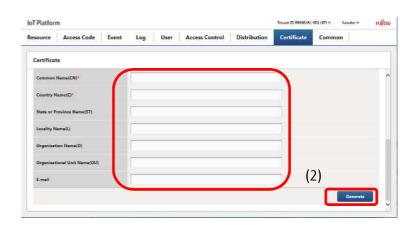
[1] Create new certificate

1. Enter input parameters shown as (1) in the image.

*Enter the same character string for the registration password and the registration password (for confirmation).

2. Click Generate (2) to generate a certificate. The certificate generated will be downloaded. Save the downloaded certificate to a file.

T Platforn	n						Tenant ID MANUAL	001 UPI ~ h	enako 🗠 🛛 FUĴITS
source	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	
Certificat	e								
Please enter ne Please way: Die	cessary information and c generated certificate	ick "Gemerate" b	mon.;" indicates	required fields					1
Certificate	Generation Method		Ceneratio	y New Certifs	ote Others Certificate	Signature			
Signature	Hash Algorithm	(shaZ						
PEM Pass i	Phrase								
Export Pas	sword*								
Verifying i	Export Password*								
Key length	of public key *		O1.024bit	@2.048bit	О4юзеви		(1)		
Expiration	Period (1-9999 days)		-						



ANote

- Certificates will only be downloaded once when first generated. You will not be able to redownload a certificate. If you could not save the certificate due to canceling the download, or for some other reason, you will need to generate a new certificate.

4.13.2 Create Certificate (Certificate Signature)

An item will appear for a certificate signature when selecting Certificate signature as the certificate format on the Generate Certificate screen.

Here you can generate and download new signatures using a CSR (certificate signing request).

source	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common
Certificat	-		r at ar				Constant of the second	
kabe ontor e	eccusary information and ci eigenerated pertitions.	ick "Govorate" t	uturi/indiate	s sequired Feldu				
	Generation Method		OGenerati	ng New Certif	cate SClient Certificat	e Signature		
Export Par	seword"							
Verifying	Export Password *		-					
Explication	Period (1-9999 days)							
CSR File*							Reference	
								Generate

Number	Entry name	Description	Notes
	Certificate	Select the certificate format.	
	format		

Export	Set when generating a certificate.	Refer to Chapter 4.13.2 (1).
Password		
Verifying	Set when generating a certificate.	Refer to Chapter 4.13.2 (1).
Export		
Password		
CSR file	Set when generating a certificate.	Refer to Chapter 4.13.2 (1).
Browse button	Select a file and set the CSR file path.	Refer to Chapter 4.13.2 (1).
Generate	Generates the certificate.	Refer to Chapter 4.13.2 (1).
button		

Notes on input parameters

Entry name	Entry forma	ıt	Require	No. of	Initial	Notes
	Input	Character	d	charact	display	
	method	type		ers		
Certificate format	Radio	-	Yes	-	Certificate	Select from Create new
	button				signature	certificate and the certificate
						signature.
Export Password	Text	Refer to	Yes	8 to 16	-	Usable characters: Upper and
		Notes				lower case alphabetical
						characters, numbers, # @ - () : .
						_
Verifying Export	Text	Refer to	Yes	8 to 16	-	Usable characters: Upper and
Password		Notes				lower case alphabetical
						characters, numbers, # @ - () : .
						_
CSR file	Text	Refer to	Yes	254	-	Character strings available for
		Notes				use in a file path

[1] Create certificate signature

- 1. Enter the private key password (1).
- 2. Enter the registration password and the registration password (for confirmation) (2).
- * Enter the same character string for the registration password and the registration password (for confirmation).
- 3. Click Browse (3) and select the CSR file.
- 4. Click Generate (2) to generate a certificate. The certificate generated will be downloaded. Save the downloaded certificate to a file.

IoT Platforr	n						Tenant ID MANUAL		hanako 🗸	ณมีเรม
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Commo	n	
Certificat	e									
Research of the Page of the Second Se	ronsey internation and cl operation perimete	ka "Generate" (r	atte Ciedeate	equired Frids)						
Certificate	Generation Method		Ogenerati	ng New Certif	cate Chert Certificate	Signature				
Export Par	sevend"				(1)					
Vertfying	Export Password *		1		(2)					
	Period (1-9999 days)						_		(4)	
CSR File*						(3	Reference	U,	(''	
								U	Generat	

Note

• Certificates will only be downloaded once when first generated. You will not be able to redownload a certificate. If you could not download the certificate due to canceling the download, or for some other reason, you will need to generate a new certificate.

4.14 Common Screen

Click Common in the Main screen to display the Common screen.

The Common screen contains the MQTT settings screen, CORS setting screen and Error Correction setting screen.

4.14.1 MQTT Screen

You can change the MQTT password on the MQTT screen.

loT Platfor	m							Tenant ID MANUAL		hanako 🗸	าปมีรม
Resource.	Access	Code	Event	Log	User	Access Control	Distribution	Certificate	Common	•	_
MQTT	CORS	Error Col	lection								
* Falloward m	equired informat Lat be between 8 Lat include numb	and la che	eractate iones			rrbait (#Q+[1:] and and a Dis.					
User Nam	w				MANUAL-00						
Password					Gp(24hxX						
New Pass	word*										
										Cha	inge

Number	Entry name	Description	Notes
(1)	User Name	Shows the MQTT user name.	Refer to Chapter 4.14.1 [1]
(2)	Password	Shows the current MQTT password.	Refer to Chapter 4.14.1 [1]
(3)	New Password	Set when updating the MQTT password.	Refer to Chapter 4.14.1 [1]
(4)	Change	Updates the MQTT password.	Refer to Chapter 4.14.1 [1]

Notes on input parameters

Entry name	Entry format		Required	No. of	Initial	Notes
	Input method	Character		characters	display	
		type				
New	Text	Refer t	o Yes	8 to 12	-	Usable characters: Upper
Password		Notes				and lower case
						alphabetical characters,
						numbers, # @ - () :

[1] Updating MQTT passwords

1	•	Enter	the	пеw	password	in	(1)
0	n t	he MQ	TT so	reen			

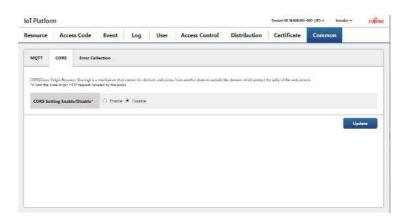
2. Click Change (2).

*The MQTT user name is the tenant ID and cannot be changed by the customer.

oT Platform		Tenant ID MANUAL-001 (IF) ~ hanako ~ FUJITS
Resource Access Code	Event Log User Access Control Distribut	tion Certificate Common
MQTT CORS Error Collec	tion	
Please enter required information and click 7	MANG AND NEDROMA MODULO DE CONTRA DE LA PRES	
* Pasaword must be between 8 and 12 charak * Pasaword must include numbers, uppersea 	the short g_{i} is a state of the state o	
User Name	MANUAL-001	
Password	Gp(24heX	
New Password"	(1)	
		(2) Change

4.14.2 CORS Setting Screen

Configure CORS use settings on the CORS Settings screen.



Number	Entry name	Description	Notes
	Enable/disable	Set to enable/disable CORS settings.	Refer to Chapter 4.14.2 [1]
	CORS settings		
	Update	Update CORS settings.	Refer to Chapter 4.14.2 [1]

Notes on input parameters

Entry name	Entry forma	t	Required	No. of	Initial	Notes
	Input	Character		characters	display	
	method	type				
Enable/disable	Radio	-	Yse	-	-	Select from enable or disable.
CORS settings	button					The initial display shows the
						current setting.

[1] Update CORS settings

- 1. Select enable/disable (1) CORS settings on the CORS Settings screen.
- 2. Click Update (2).

loT Platfor	m.							Tenant ID MANUAI		anaka w	างโกร
Resource	Acce	ss Code	Event	Log	User	Access Control	Distribution	Certificate	Common		
MQTT	CORS	Error Col	lection								
CORSICIONS 1 Follows the o	Origin Rescu Ione origin H	ut Sharing) is a TIP neparati net	motheream that ated by the scrip	control the dip L	main and access	Non anther demain patride	die donain which protect?	he sally of the web ser	NOS.		
CORS Set	tting Enabl	e/Disable*	O Enable	🖲 Osable							
			(1)						ſ	Upda	te
			(י)						(2)		

4.14.3 Error Correction Setting Screen

Configure error collection use settings on the Error Collection Settings screen.

iource Access	Code Event	Log	User	Access Control	Distribution	Certificate	Common	
NOTT CORS	Error Collection							
Error Collection Enable	Disalde ^s . Intenie	e deuti -						
Resource Preservation Of Collected Error Logs*	Of Resource Path		JANU I					
	Access Code ⁴		Search	truc Ainte				
	Access Code Na	né :	Ecce White					
ege will be generated through	ring of Folderscore Please	and Marber	fatter the ch					
								Update

Number	Entry name	Description	Notes
	Enable/disable	Set to enable/disable CORS settings.	Refer to Chapter 4.14.3 (1)
	error collection		
	Collection	Set the resource path that collected error	
	storage resource	information is stored to.	
	Resource path	Displays the resource path that collected error	Fixed to _error.
		information is stored to.	
	Search	Retrieve and set access codes for referencing	
		error information on the Search Access Codes	
		screen.	
	Access code	Displays access codes for referencing error	Read-only
		information.	
	Access code	Displays access code names for referencing	Read-only
	name	error information.	
	Update	Update error collection settings.	Refer to Chapter 4.14.3 (1)

Notes on input parameters

Entry name	Entry forma	t	Require	No. of	Initial	Notes
	Input	Characte	d	character	display	
	method	r type		S		
Enable/disable	Radio	-	Yse	-	-	Select from enable or disable.
error collection	button					
Access code	-	-	*	-	-	Entered by searching.
Access code name	-	-	*	-	-	Entered automatically from access
						code settings.

*Only required when error collection is enabled.

(1) Update error collection settings

• If error collection is enabled

1. Set error collection to Enable (1) on the Error Collection Settings screen.

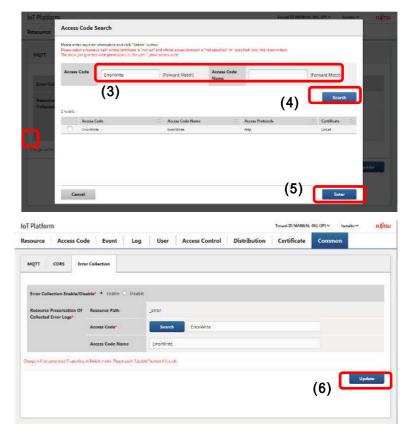
2. Click Search (2) to display the Search Access Codes screen.

esource	Access Cod	e Event	Log	User	Access Control	Distribution	Certificate	Common	
MQTT	CORS Erro	r Collection							
Error Colle	action Enable/Dia	eble • Lnobic (Disable) (1)				
	Preservation Of Error Logs*	Resource Path	_	_equir	(2)				
		Access Code*		Search ErrorWrite	ErrorWinte				
hange wit be g	enerated Y codoling i	n Erabre model Please	oush "Update"	button if it is on					
									Update

3. On the Search Access Codes screen, enter the search conditions (3), and then click Search (4).

4. Select the access code used for error collection from the search results, and then click Enter (5).

5. Click Update (6) on the Error Collection Settings screen.



Notes

- Only access codes for which U permissions have been granted for the error collection resource "_error", added by the system when creating a new tenant, will be retrieved on the Search Access Codes screen that appears when clicking the Search button on the Error Collection Settings screen.
- Set the access code used for error collection to one with a specified HTTP protocol when the access protocol is set to "Do not specify" or "Specify". Error collection cannot be performed if an access code that does not meet the above conditions is set.
- While access codes set as access codes to be used for error collection can be updated on the Update Access Codes screen, do not perform the following updates as doing so will prevent error collection.
 - Deleting U permissions for _error.
 - Deleting _error from the used resource list.

Disabling error collection.

- Set error collection to Disable

 on the Error Collection
 Settings screen.
- 2. Click Update (2).

						1.0	
MQTT CORS Err	or Collection						
			(1)				
Error Collection Enable/Di	sab 🕐 Ö Enoble 🖲 Ors:		,				
Resource Preservation Of	Resource Path						
Collected Error Logs*	Access Code'						
		Search	EnceWhite				
	Access Code Name	Enor Collec	tion Write				
Charge will be generated if updating	in Entitle moon. Flease poin 14	ipdate" bytton if it is a	e .				
				1	2)	1100	late
					<u>~)</u>	Upo	ALC:

Chapter 5 Example of Settings Using the Service Portal

The following section provides examples of the basic tasks performed when using the Service Portal. Refer to relevant page for more information about screen item contents and operation procedures.

5.1 Sample Data

The examples provided here use an attendance management model as an example where information on employee positions and attendance information is collected from an attendance management app installed in smartphones.

Goals with this setup

- Send attendance and holiday statuses (attendance information) from the attendance management app installed in smartphones to the service
- Permit to write and reference information as to the person's whereabouts with the attendance management app
- Permit all personnels to reference attendance information, and to write personal attendance information exclusively by themselves
- Permit administrative personnel only to reference positional information, and all personnels to write personal positional information exclusively by themselves
- Send an email addressed to administrative personnel when attendance information shows a holiday.
- Call an API when positional information shows the person at a north latitude of 90 degrees.

An employee for which attendance management recorded:

Hanako Fujitsu (administrative personnel)

Taro Fujitsu (regular employee)

Jiro Fujitsu (regular employee)

ltem	Sub-item	Setting value		
Tenant ID		FJIOT-001		
URI immediately before		<base url=""/> /v1/FJIOT-001/		
resource path				
Topic name	ne <a>Access code/v1/FJIOT-001/Resource pa			
Resource 1	Resource Name	Attendance management (Hanako Fujitsu)		
	Resource path	diligencs/status/hanako		
	Comment	Administrative personnel		
	Data format	JSON		
	Data	Date(Date) :YYYYMMDD		
		plan (Attendance status) :0: Attending, 1: Holiday		
		JSONData image		
		{		
		"date": 20150601,		
		"flag": 0 }		
		}		
Resource 2	Resource Name	Attendance management (Taro Fujitsu)		
	Resource path	diligencs/status/taro		
	Comment	Regular employee		
	Data format	JSON		
	Data	date(Date) , plan (Attendance status)		
Resource 3	Resource Name	Attendance management (Jiro Fujitsu)		

	Resource path	diligencs/status/jiro				
	Comment	Regular employee				
	Data format	ISON				
	Data	diligencs/status/jiro				
Resource 4	Resource Name	Positional management (Hanako Fujitsu)				
	Resource path	location/hanako				
	Comment	Administrative personnel				
	Data format	ISON				
	Data	lat(Latitude), lon(Longitude)				
		{ "location": {				
		"lat": 30,				
		"lon": 130 }				
		}				
Resource 5	Resource Name	Positional management (Taro Fujitsu)				
	Resource path	location/taro				
	Comment	Regular employee				
	Data format	JSON				
	Data	lat(Latitude), lon(Longitude)				
Resource 6	Resource Name	Positional management (Jiro Fujitsu)				
	Resource path	location/jiro				
	Comment	Regular employee				
	Data	lat(Latitude), lon(Longitude)				
Resource 7 (Load resource)	Resource Name	Load resource				
	Resource path	drc/load				
	Comment	Application load				
	Data format	JSON				
	Data	Load status				
Resource 8 (Recommend	Resource Name	Recommend resource				
resource)						
	Resource path	drc/recommend				
	Comment	Recommend				
	Data format	JSON				
	Data	Notification character string				
Resource 9	Resource Name	Line 1				
	Resource path	_bin/Line1/Camera				
	Comment	Camera image				
	Data format	Binary				
	Data	Image data				
Resource 10	Resource Name	IoT device S1				
	Resource path	iot/machine/S1				
	Comment	IoT device with certifications				
	Data format	text				
	Data	Machine data				
Access code 1	Access Code	DiligencsManagement11111				
	Access Code Name	Reference and update attendance status				
	Comment	Anyone can reference and update all users' status				
	connicht	· · · · · · · · · · · · · · · · · · ·				
	Tarnet resource	diligencs/status/hanako diligencs/status/taro				
	Target resource	diligencs/status/hanako, diligencs/status/taro, diligencs/status/jiro				

	Access Code Name	Update positional information (Hanako Fujitsu)						
	Comment	Users can only update their own positional						
		information						
	Target resource	location/hanako						
Access code 3	Access Code	LocationManagement33333						
	Access Code Name	Update positional information (Taro Fujitsu)						
	Comment	Users can only update their own positional						
		information						
	Target resource	location/taro						
Access code 4	Access Code	LocationManagement44444						
	Access Code Name	Update positional information (Jiro Fujitsu)						
	Comment	Users can only update their own positiona						
		information						
	Target resource	location/jiro						
Access code 5	Access Code	LocationManagement55555						
	Access Code Name	Reference positional information						
	Comment	Only administrative personnel can reference						
	Target resource	location/hanako, location/taro, location/jiro						
Access code 6	Access Code	DRCLoad						
	Access Code Name	Refer/update load information						
	Comment							
	Target resource	drc/load						
Access code 7	Access Code	DRCRecommend						
	Access Code Name	Recommend						
	Comment							
	Target resource	drc/recommend						
Access code 8	Access Code	Line1Camera						
	Access code name	Line 1 image						
	Comment	Can update, delete and reference resources from ar						
		API						
	Target resource	bin/Line1/Camera						
Access code 9	Access Code	Secure I oTMach i ne						
	Access code name	IoT device with certifications						
	Comment	Authenticate with certifications						
	Target resource	iot/machine/S1						
Access code 10	Access Code	ErrorRead						
	Access code name	Reference error collection						
	Comment	Accesss code for error collection reference						
	Target resource	_error						
Access code 11	Access Code	error ErrorWrite						
	Access code name	Register error collection						
	Comment	Access code for registration of error collection						
	Target resource	_error						
Event 1	Event name	Holiday notification (Hanako Fujitsu)						
	Comment	Notify Taro by email if Hanako is on holiday						
	Target resource	diligencs/status/hanako						
	Settings	Path position: data.flag Detection trigger: Numerical value: Match with 1						
		Action: Email: Send to taro@ml.css.fujitsu.com						

Event 2	Event name	Holiday notification (Taro Fujitsu)			
	Comment	If Taro is at a latitude of 90 degrees, call an API			
	Target resource	location/taro			
	Settings	Path position: location.lat			
	sectings	Detection trigger: Numerical value: Match with 90			
		Action: Call API			
Service Portal access control	Permitted IP address	10.20.30.1			
1	(start)				
	Permitted IP address	10.20.30.200			
	(stop)				
	User ID	hanako			
Access code access control	Permitted IP address	10.10.20.10			
	(start)				
	Permitted IP address	10.10.20.100			
	(stop)				
	Access Code	LocationManagement22222			
Distribution common settings	Recommendation cycle	60			
	Calculating period	120			
Load resource	Resource path	drc/load			
Recommend resource	Resource path	drc/recommend			
	tps/bps selection	tps			
	Edge computing	Character type: Numerical values			
	condition	Condition : 90			
		Judgment : Or more			
		Notification character string: START			
	Above-mentioned	Character type: Numerical values			
	resolutory condition	Condition : 50			
		Judgment : Or less			
		Notification character string: END			
Certificate (new)	PEM pass phrase	passphrase			
	Export Password	password			
	Public key length	2048bit			
	Period of validity	365			
	Common name (CN)	iotMachine_s1			
	Country (C)	JP			
	Prefecture (ST)	Токуо			
		Kamata			
	Municipality (L)				
	Municipality (L) Organization name (O)	Kamata Fujitsu			
	Organization name (0)	Fujitsu			

Actual Use of the Above Model

5.2.1 Login

Service Portal URL will be notified after the service contract. Access this portal from a PC connected to the Internet.

1. Enter the user ID into (1).

2. Enter your password into (2).

3. Click Login.

FUរឹកSU	
i office	
IoT Platform	
(1) (2) User ID Patrevent	
Region: JP Login	

Log in using the user ID and password provided after the service contract.

5.2.2 Add Resources

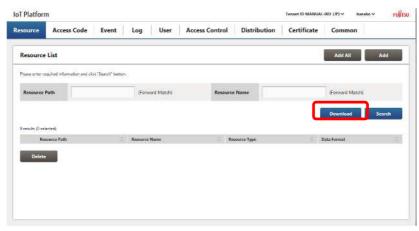
In this section, the process used to add resources using the Add All function is explained. Refer to Chapter 4.6 for more information regarding other functions relating to resources.

1 . Click "Resource" in the Main screen.

IoT Platform	n						Tenant ID MANUAL	001 (JP) V	hanako 🗸	FUJITSU
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Commo	m	

*Refer to Chapter 4.5.1 for more information about the Main screen.

2. Click Download to download the CSV format template used for batch adding resources and save it to the PC using the Service Portal.



3. Edit and save the downloaded template.

diligencs/status/hanako diligencs/status/hanako fujitsu) Attendance management (Taro	Administrative personnel	1	1
Attendance management (Taro			
diligencs/status/taro Fujitsu)	Regular employee	1	1
diligencs/status/jiro Attendance management (Jiro 1 Fujitsu)	Regular employee	1	1

location/hanako	Positional management (Hanako Fujitsu)	1	Administrative personnel	1	1
location/taro	Positional management (Taro Fujitsu)	1	Regular employee	1	1
location/jiro	Positional management (Jiro Fujitsu)	1	Regular employee	1	1
drc/load	Load resource	1	Load status	1	1
drc/recommend	Recommend resource	1	Recommend	1	1
_bin/Line1/Camera	Line 1	2	Camera image Including IoT	1	1
iot/machine/S1	lot device S1	1	device certificate	1	1

4. Click Add All.

esource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	
Resource	List							Add All	Add
Please enter re	equired information and cSo	ck "Search" butter	5.:						
Resource			(Forw	ard Match)	Resourc	e Name		(Forward Match)	
							1	Download	Search
() results () sei	erted).							100	
Rei	ource Path		Resource	Name	Ç R	воитсе Туре	0 1	Data Format	
Delete									

5. Click Reference and select the CSV file saved in step 3.

loT Platform		Teenan III MARIJA(-031 1971 - Sanaka - Pujits
Resource: Access (Code Event Log User Access Control Distribu	ition Certificate Common
Resource List		Ann All
Properties and a second second	All Resource Registration	
Reports Path	Presse add files	Show the latest result
O results (0 setterout)	Registered File*	Freence
Resource from	Cancel	Add

6. Click Add.

- 7. Check the confirmation message, and then click OK.
- 8. Confirm that there are no problems with the contents of the resource added when this information appears.

5.2.3. Generate Certificates

In this section, the process used to generate a new certificate using the Generate Certificate function is explained. Refer to Chapter 4.13 for more information regarding other functions relating to resources.

1. Click Generate Certificate in the Main screen.

loT Platfor						Tenant ID MANUAL	-001 (JP) 🗸	hanako 🗸	FUโกรม	
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	•	

2. Select Create New Certificate according to the certificate format on the Generate Certificate screen.

loT Platform		Tenant ID MANUAL-001 (JP) × hanako × FUJITSU
Resource Access Code Event	Log User Access Control Distribution	Certificate Common
Certificate		
Please enter necessary information and CRA "Generate" Please save the generated certificate.	untion ("Indicates required fickla)	<u>^</u>
Certificate Generation Method	Generating New Certificate OClient Certificate Signature	
Signature Hash Algorithm	sha2	
PEM Pass Phrase*		
Export Password*		
Verifying Export Password*		
Key length of public key *	О1,024ыл Ж2,048ын Оң.096ын	
Expiration Period (1-9999 days)*		

3. Enter PEM pass phrase.

oT Platform	Tenant ID MANUAL-DOT (JP) V hanako V	าบที่รบ
Resource Access Code Eve	nt Log User Access Control Distribution Certificate Common	
Certificate		
Please enter necessary information and click "Gene Please sever the generated certificate.	ste ² burison l'indikans: required fisikaj	^
Certificate Generation Method	Generating New Certificate OClent Certificate Signature	
Signature Hash Algorithm	sha2	
PEM Pass Phrase*		
Export Password*		
Verifying Export Password*		
Key length of public key *	О1.024ын #2.048ын О4.096ын	
Expiration Period (1-9999 days)*		~

Example: passphrase

4. Enter Export Password. Enter the same password in Verifying Export Password for confirmation.

oT Platform	Tenant ID MANUAL-001 (JP) ∨ has	nako 🗸 🛛 FUJITSU
esource Access Code Eve	tt Log User Access Control Distribution Certificate Common	<u>[</u>]
Certificate		
Please enter necessary information and click "Sene Please save the generated certificate	ter Euclid Initiatives required ficks)	
Certificate Generation Method	Generating New Certificate OClient Certificate Signature	
Signature Hash Algorithm	sha2	
PEM Pass Phrase*		
Export Password*		
Verifying Export Paseword*		
Key length of public key	O1,024bit \$2,048bit O4,046bit	
Expiration Period (1-9999 days)*		

Example: password

5. Select the public key length.

T Platform	Tenant ID MANUAL-001 (0P) V tanako V	កហ៊ីវិវិទ
esource Access Code Eve	nt Log User Access Control Distribution Certificate Common	
Certificate		
Please enter necessary information and click Nem Please same the generated certificate.	rate" butten ("indikanos required ficikia)	í
Certificate Generation Method	Generating New Certificate Client Certificate Signature	
Signature Hash Algorithm	sha?	
PEM Pass Phrase*		
Export Password*		
Varifying Export Password*		
Key length of public key *	О1.024ыл #2.048ыл О4.086Ы	
Expiration Period (1-9999 days)*		

Example: 2,048bit

5. Enter Period of validity, Common name, Country, Prefecture, Municipality, Organization name, Organization unit name, and Email.

source Access Code	Event Log	User	Access Control	Distribution	Certificate	Common	
Certificate	~						
Common Neme(CN)*							
Country Name(C)*	(
State or Province Name(ST)							
Locality Name(L)							
Organization Name(O)							
Organizational Unit Name(OU)					Ti I		
E-mall							
						Generate	

Example:

Period of validity: 365 Common name: iotMachine_s1 Country: JP Prefecture: Tokyo Municipality: Kamata Organization name: Fujitsu Organization unit name: IoT Email: mail-iot@iot.com

5.2.4. Add Access Codes

In this section, the process used to add access codes using the Add All function is explained. Refer to Chapter 4.7 for more information regarding other functions relating to access codes.

1. Click "Access Code" in the Main screen.

IoT Platforr	n						Tenant ID MANUAL	-001 (JP) 🗸 🛛 hanako 🗸	FUJกรม
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	

2. Click Download to download the CSV format template used for batch adding resources and save it to the PC using the Service Portal.

10000		-							femant 3D MANUAL	001 099 9 16	ineka 🗸 🛛 🖪
source Acc	ess Code	Event	Log	User	Access Co	ntrol	Distribu	tion	Certificate	Common	1
Access Code Li	st									Add All	Add
Nease arrier required in Available symbols are 0											
Access Code			(Forwa	ed Metelij		Access Co Name	de			(Forward Mate	÷
Resource Path	1		(Forwa	ard Match)		Resource	Name			(Forward Mate	Ŵ
(basise 0) aliver 0										Download	Search
Access Code		Access Code Na	me	Access	Pratacols	6	entilicate	Re	source Path	Resource	None

3. Edit and save the downloaded template.

Access Code	Access Code Name	Comment	Access protocol	Resource path 1	Access permission 1	Resource path 2	Access permission 2		
DiligencsManage ment11111	Reference and update attendance status	Anyone can reference and update all users' status		diligencs/stat us/hanako	RU	diligencs/status/tar o	RU	diligencs/stat us/jiro	RU
LocationManagem ent22222	Update positional information (Hanako Fujitsu)	Users can only update their own positional information		location/hana ko	RU				
LocationManagem ent33333	Update positional information (Taro Fujitsu)	Users can only update their own positional information		location/taro	RU				
LocationManagem ent44444	Update positional information (Jiro Fujitsu)	Users can only update their own positional information		location/jiro	RU				
LocationManagem ent55555	Reference positional information	Only administrative personnel can reference		location/hana ko	R	location/jiro	R		
DRCLoad	Refer/update load information			drc/load	RU				
DRCRecommend	Recommend			drc/recomme nd	RU				
Line1Camera	Line 1 image	Can update, delete and reference resources from an API		_bin/Line1/Ca mera	CDLRU				
SecureIoTMachine	lot device including	Authorize by certificate		iot/machine/S 1	RU				

	certificate			
ErrorRead	Reference Error correction error access code correction	http	_error	R
ErrorWrite	Register error Error correction correction access code	http	_error	U

- 4. Click Add All.
- 5. Click Reference and select the CSV file saved in step 3.

oT Platform						Tanani 30 MANUU	mumy immer min
esource	Access Code	Event Log	User	Access Control	Distribution	Certificate	Common
Access Co	ide List						(And Mr. (And
Hans offer to	All	Access Code Regi	stration				
Acres Con		ee add Wea.				Show the latest r	esult
Kessurce 3	Re	gistered File*				Refere	nce Affaitt
l man d ree		Cancel				Ade	
- M	rgs-Galde	Alimatic Manr	Altes	Pannida	earman-	Recommendation	Report of Malaine
Delata							

6. Click Add.

7. Check the confirmation message, and then click OK.

8. Confirm that there are no problems with the contents of the access code added when this information appears.

5.2.5. Integrating APIs into the Application

After resources and access codes have been added, data can be written to resources and referenced by using APIs made available by this service.

Refer to the "IoT Platform User Guide" for more information about API specifications.

5.2.6. Event Function (Email) Settings

This section describes how to configure "Event 1" settings by adding an event using the model described in 5.1.

1. Click "Event" in the Main screen.

IoT Platform								Tenant ID MANUAL-001 (JP) → hanako →		
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common		

2. Click "Add".

oT Platform					Tenant ID MANUAL	001 (IP) ∨ hanako ∨ FUÌÌ
tesource Access Code	Event	Log User	Access Control	Distribution	Certificate	Common
Event List						Add
Please enter required information and Available symbols are @-() _ in Event h						
Event ID		(Exact Materij	Event Na	me		(Forward Match)
Resource Path		(Forward Match)	Resource	Name		(Forward Match)
						Search
Diresults (I) selected)						
Event ID	C Event	Name	Resource Path		C Resource N	NTIA
Delete						

3. Enter the event name and comment.

Event name: Holiday notification (Hanako Fujitsu) Comment: Notifies Taro by email if Hanako is on holiday.

of Platfor	m						Tene	EID MANUAL-RI	1.0m×	hanaham seg	
esource	Event Registration	n								1	
	Please enter required inform Available symbols are @-(c.	ation and click "Add" b , in Event Name, Resour	utton ("Indicates re ce Name and Acce	equired fields) as Coole						~	
Event Li	Event Name	-									ф¢
Status antist										- 1	
	Comment									- 1	
Event ID	Resource Path*	Search								- 1	
Resource	Resource Name										
	Access Code*										rran
0.000	Access Code Name										
1994	Data Format*										
	Notification Location	Ĩ,									
	Determination	Marily Crare			1	Muslife Ford	-	m	hi h	~	

- 4. Assign a resource as the resource target.
- 4-1. Click "Search" next to the resource path item.

T Platfor	m					Tenant III 100	WEAL-SID OTS *	taxata w	ा जमा
esource	Event Registration	1							
	Flease enter required inform Available symbols are Ø (tr,	ation and click "Add" but in Event Name, Resource	ton ("Indicates req 2 Name and Access	uired helds) Code				^	
Event Li	Event Name	[ldi
Varia anter Varia	Comment	1					, i		
Event III	Resource Path*	Smarch	1						
Banaviros	Resource Name								
	Access Code*								e na
and the second	Access Code Name								
	Data Format*								
	Notification Location	ī,							
	Determination	Noville Floor			Martile Fast	-		1.	

4-2. Enter "diligencs" as the resource path and click Search.

tera Sho	iae antar required information and inble symbols are Q-(1, in Bess w relemble Resource Path only, so select a resource path whose o	nes Name.	inese access protocol	is 'Unspectified' or "Epec	fied" and http is pannitte	i.	
R	esource Path		prward Match)	Resource Name		(Forwa	ard Match)
Q re	sults						Search
	Resource Path	Resource N ame	Data Form =	Access Code	Access Code N	Access Protocol S	Certific ate
1.0	Cancel						Enter

4-3. Paths containing "diligencs" as the start of the resource path will appear below in the search results.

Available symbols ar Show teferable Repr	e @-0:_ in Resource		whose access protocol	tis "Unspecified" or "Spec	med" and http is permitte	6 .9	
Resource Path	diligence		(Forward Match)	Resource Name	-	Forw	ard Match)
) rejuits Renource I	ath D	Kesource N ame	Data Form at	Access Code	Access Code N ame	Access Protocol	Search Cartific ate
O dilgency/s	nus/hanako	Attendance Mana gement(henako)	ISON	DiligencsManageme m11111	attendance situation RU	UnSpecified	Disable
o diàgencs/v	etus/jiro	Attendance Mana gament(taru)	.50N	DügencsManageme millili	attendance situation RU	UnSpecified	Disable
diligence/st	atus/taro-	Attendance Mane gement(jiro)	JSON	DiligenceManageme 0111111	attendence vituetion RU	UnSpecified	Disable

4-4. Select the resource: diligencs/status/hanako with the access code: diligencsManagement11111 and click "Enter".

1	Please enter required in	formation and c	ick "Search" history						
	Available symbols are 0 Show referable Recourt	P-():_ in Resource = Path only.	e Name	whose access protocol	lis "Unspectied" or "Spec	thed" and into is permitte	5		
	Resource Path	diligence		(Forward Match)	Resource Name		Gone	ard Match)	
								Search	
1	3 results								
	Resource Pat	e e	Resource N =	Data form 3	Access Code	Access Code N =	Access Protocol s	Certific ate	-
	disgenes/state	e/hanakn	Attendance Mana gement(henalco)	ISON	DiligencsManageme millill	attendance situation RU	UnSpecified	Deable	
	o diùgence/stati	eým	Attendance Mana gement(lans)	SON	DilgencsManageme H011111	attendance situation RU	UnSpecified	Disable	
	O diligencs/istati	is/taro	Attendance Mana gementijinti)	JSON	DiligencaMarageme m11111	attendance abuation RU	UnSpecified	Disable	

5. After clicking Enter, "Resource name: Attendance management (Hanako Fujitsu)", "Access code: DiligencsManagement11111", "Access code name: Reference and update attendance status" will be filled out automatically.

6. Enter the "Data Path". Input the data position in JSONPath format.

Enter data.flag in this example.

loT Platfor	m		Tenant ID MANUAL OOL (JP) %	hanska 🗠 💠 🖽 🕅
Resource	Event Registration	·		
Event Li	Resource Path*	Search diligentz/status/hanako		^
Frees error	Resource Name	Attendance Management(hanako)		
Frankister	Access Code*	DiigencsManagement11111		
Event 10	Access Code Name	attendance situation RU		
Resource	Data Format"	JSON		
Ørenes II n	Notification Location	data.fag		enroth (
	Determination	Notity Start Ime Region		
	Determination	× ×		
	Cancellation	~		~

7. Enter a time range for detection conditions. This setting is not configured in this case.

oT Platfor	m	(Tenant ID MAN	AL OIL (III) S	innin 🗠 👘
Resource	Event Registration			
Event Li	Resource Path*	Search diligenzs/status/hanako		^ 200
Press error	Resource Name	Attendance Management(hanako)		
Alundatura	Access Code*	DiigencsManagement11111		
Event 10	Access Code Name	attendance situation RU		
Resource	Data Format ^e	JSON		
Vients II in	Notification Location	data/lag	1	-nrvth
	Determination	Notify Start Time I Time		
Pele	Determination	× ×		
	Cancellation	× ×		~

8. Set detection conditions. In this example, enter "select numerical value, enter 1, and select match".

loT Platfor	m		Tanant ID MANUAL ODE (UP) %	hansku 🗠 🖓 🛛 🖽 🖽
Resource	Event Registration	1		
Event Li	Resource Path*	Search diligencs/status/nanako		^ Ald
-	Resource Name	Attendance Management(hansko)		
Please ennet Anomalico vye	Access Code*	DiligencsManagement11111		
Event ID	Access Code Name	attendance situation RU		
Resoutes	Data Format ^e	JSON		
Uresits (0 s	Notification Location	data.flag	1	randh
	Determination	Notify Start Time Notify End		
	Determination	× ×		
	Cancellation	· · · · · · · · · · · · · · · · · · ·		~

9. Set resolutory conditions. This setting is not configured in this case. Refer to Chapter 3.6.3 for more information about resolutory condition specifications.

oT Platforr	n		Tenant ID: MANUAL COL (JP) **	hoodurees;	UNE
lesource	Event Registration	·			
Event Li	Resource Path*	Search diligencs/status/hanako		^	7
Risso rener	Resource Name	Attendance Management(hanako)			
Allehanse vyr	Access Code*	DiligenceManagement11111			
Event ID	Access Code Name	attendance situation RU			
Resource	Data Format"	JSON			
Vrenatta (0. se	Notification Location	data.fag	J.	entiti	
Dile	Determination	Netify Start Time Notify End			
	Determination	× ×			
	Cancellation	~ ·		~	

10. Configure action settings. Select Email in this example.

esource	Event Registration			12
Event Li	Notification Location	idets frag	×	Late
Pasot sinar Svatska sjel	Determination	Notify Start III III III IIII IIII IIIIIIIIIIIII		
Svent ID	Determination	× ·		
Resource	Cancellation	<u></u>		
	Action*	Email		famili)
(resita di s	Email Address*			
	Subject			
	Body			
		-		~
	Cencel		Add	

11. Enter the email address, title and text.

Resource	Event Registration	n		
Event U	Notification Location	stateg X	^ 	
Person numr Avalutes per	Determination	Notify Start Time Time		
Event ID	Determination			
Reenviroe	Cancellation	×		
	Action*	Email. Y	(a) (a)	1
()/esitedia	Email Address*			
	Subject			
	Body			
			~	
	Cancel	Ad	d	

12. Click Add at the bottom of the window.

Event Lis	Notification Location	state. Fing	×
Passa onto i Swatabia ayo	Determination	Notify Start III Notify End	
Svent 10	Determination	× ×	
Resource	Cancellation	× ×	
	Action*	Email Y	areatr/
Republica	Email Address*		
Dest	Subject		
	Body		

13. Click OK when the Confirmation screen appears to add event settings.

5.2.7. Email Receipt Confirmation When an Event (Email) Occurs

Check that an email is sent after the data writing API is called. An email like the following will be sent to the address.

```
Sender: eventinfo@sys.iot.jp.fujitsu.com
```

```
Address/title/text: Address/title/text set for the event
```

```
Attachment: eventinfo.txt
```

Attachment contents: JSON format similar to that shown below.

```
{
    "eventID ": "123456789abc",
    "operation ": "update",
    "date": "20141225T103612.001+0900",
    "resoucepath": "diligencs/status/hanako",
    "message": { "data": {"date": 20150601,"flag": 1} }
}
```

*eventID: A 12 digit event ID automatically assigned by the system.

operation: Operations occurring with the resource path that the target event is referring to. Date: The time of the event.

Resourcepath: The resource path that the target event is referring to.

Message: Resource data content at the time of the event.

5.2.8. Event Function (Call API) Settings

This section describes how to configure "Event 2" settings by adding an event using the model described in 5.1.

1. Click "Event" in the Main screen.

IoT Platform	IoT Platform						Tenant ID MANUAL	001 (JP) 👻 🛛 hanako 🗸	FUÏTSU
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	

2. Click "Add".

esource Access Code	Event	Log User A	Access Control Distribution	Certificate	Common
Event List					Add
Please enter required intormation an Available symbols are @ (), in Even	d click "Search" buttor LName and Resource (x Name			
Event ID		(Exact Match)	Event Name	0	oward Match)
Resource Path		(Forward Match)	Resource Name	R	orward Match)
ß results (S selected)					Search
Event ID	Event	Name	Resource Path	Resource Name	

3. Enter the event name and comment.

Event name: Holiday notification (Taro Fujitsu) Comment: Call API1 if Taro is at a latitude of 90 degrees

IoT Platfor	013					Trease ID 5	Danoba Y		เพิ่มช
Resource	Event Registratio	n							
c	Please enter required infom Available symbols are @-().	nation and click "Add" _ in Event Name, Reep	button ('Indi urce Name ar	cates required fields) nd Accent Code.				^	
Event Li	Event Name	1						Add	
Autor and	Comment	Ť.					J		
Event ID	Resource Path*	Search	1						
Baseuro	Resource Name								
	Access Code*							and.	
	Access Code Name								
Dent	Data Format*								
	Notification Location	[ţ.		
<u> </u>	Determination	Rivelika Street	ť		Months Food		1	~	-

- 4. Assign a resource as the resource target.
- 4-1. Click Search next to the resource path item.

IoT Platfor	m::						Toout	ID MANUAL-DOI UP)~	Denebe Y	nijosa -
Resource	Event Registratio	n								
	Please enter required inform Available symbols are @-():	sation and click "Ade in Event Name, Ba	of button. ("indicats cource Name and A	es required Falds) Access Code.						
Event Li	Event Name									Adus
These areas	Comment									
fverr (D	Resource Path*	Search								
Bestures	Resource Name	L								
	Access Code*									
3 40 10	Access Code Name									
No.	Data Format*									
	Notification Location	<u> </u>								
	Determination	RINERS STOP	Ť		-	Ninth: End	1			

4-2. Enter "location" as the resource path and click Search.

Available symbols are \$10, in Ro Brow referable Resource Path on Please select a resource path who	a start and a set		a 'Unspecified' or "Sp	auffect" and http://e.permitt	ed.		
Resource Pan		(Ferward Match)	Resource Name	Ĩ.	(Fe	erward Match)	
© results						Search	
Resource Path	Resource N anne	Data Form at	Access Code	Access Code N ame	Access Protocol s	Certific	0
	1000000						

5. Paths containing "location" as the start of the resource path will appear below in the search results.

Res	ource Path	location		(Forward Match)	Resource Name	-	(Fc	orward Match)	^
					10001002			Search	
3 resul	Resource Pa		source -	Data form	Access Code	Access Code Name	Access Protocol	Cartific ate	
0	location/han		ation Manage nt(haneko)	:SON	LocationManagemen 423222	location intermation (hanako)	UnSpecified	Disable	
Ô	location/han		ation Manage nt(hanako)	390N	LocationManagemen (55555	refer location inform ation	UnSpecified	Disable	
0	location/j/ro		ation Manage https://	JSON	LocationManagemen 54444	location information ((re)	UnSpecified	Disable	
Ô	locationijiro		ation Manage https://	ISON	LocationManagemen	reter location others ation	UnSpecified	Diseble	
0	location/tavo		ation Manago nt(jiro)	75ON	LocationManagemen 131331	location information (tare)	UnSpected	Doable	~

6. Select the resource: location/taro with the access code: LocationManagement33333 and click "Enter".

Resource Path	location	1	(Forward Match)	Resource Name		(Forv	ward Match)	^
							Search	i il
5 results								1
Resource P	ah 👘	Resource Name	Data Form at	Access Code	Access Code Name	Access Protocol	Certific	
O location/har	ako	Location Manage ment(hanako)	/SON	LocationManagemen 693202	location information (hanako)	UnSpecified	Disable	
location/har	aici	Location Manage ment(hanako)	390N	LocationManagemen 155555	reler location inform ation	UnSpecified	Disable	
iscation.jiro		Location Manage ment(taro)	350N	LocationManagemen 944444	location information ((ro)	Unspectied	Ditable	
location ĝro		Location Manage mentitized	250N	LocationManagemen.	reter/location inform ation	UnSpecified	Disable	
location/tan	,	Location Manage mant(jm)	75ON	Location/Managemen (33333	location information (tars)	UnSpecified	Disable	

7. After clicking Enter, "Resource name: Positional management (Taro Fujitsu)", "Access code: LocationManagement33333", "Access code name: "Positional information update (Taro Fujitsu)" will be filled out automatically.

Memo

- Resources without an access code cannot be selected.
- Resources with an access code, but without an R permission, or not under the resource with a G permission, cannot be selected. If permissions not set, modify the access code settings from the access code menu (Chapter 4.7.5 (3)).

8. Enter the "Data Path". Input the data position in JSONPath format.

In this example, location.lat is used.

IoT Platfor	m:		Tenant ID MANUAL 001 (P) M	henekez mijitsia
Resource	Event Registration	1		
Event Li	Resource Path*	Search location/taro		^
	Resource Name	Location Management(jro)		<u>****</u>
Tenner street	Access Code*	LocationManagement33333		
Event ID	Access Code Name	location information(taro)		
Resource	Data Format"	JSON		
(a. 22)	Notification Location	location.lat		in the second
Dele	Determination	Notify Start Ime Notify Find	m []=	e Smit
	Determination	× ×		
	Cancellation	· · ·		~

9. Enter a time range for detection conditions. This setting is not configured in this case.

		1.00	1						 _	
Event Li	Resource Path*	Search	focation/taro						С 1 ал	
	Resource Name	Location Manag	ement(jiro)							
nineer Australia Ar is faither state	Access Code*	LocationManage	ement33333							
Event ID	Access Code Name	location informa	stion(taro)							
Masource	Data Format*	JSON								
D envedes all en	Notification Location	location.lat							1945 1	1
beed	Determination	Notify Start Time		M	1 F	$\sim \frac{\rm Notify End}{\rm Time}$	m	=	I	
	Determination				~					
	Cancellation			1	~				0	

10. Set detection conditions. In this example, enter "select numerical value, enter 90, and select match".

oT Platfor	m		Tenant ID MANUAL 001 (193 St	hundle 25
lesource	Event Registratio	1		
Event Li	Resource Path*	Search location/taro		^
	Resource Name	Location Management(jro)		144
Plane (hin dakistin (yi	Access Code*	LocationManagement33383		
Event 10	Access Code Name	location information(taro)		
Massource	Data Format"	JSON		
	Notification Location	location.lst		(1973))
beed	Determination	Notify Start III - Notify Find Time]:
	Determination			
	Cancellation	· ·		

11. Set resolutory conditions. This setting is not configured in this case. Refer to Chapter 3.6.3 for more information about resolutory condition specifications.

oT Platfor	m		Tenant ID MANUAL 001 (P)
lesource	Event Registration		
Event Li	Resource Path	Search location/taro	1 A A A A A A A A A A A A A A A A A A A
	Resource Name	Location Management(jiro)	
Hanna onin Anniaka se	Access Code*	LocationManagement33333	
Event ID	Access Code Name	location information(taro)	
Massurra	Data Format ^e	JSON	
w	Notification Location	location.lst	tars)
Bandla Alla Bandla	Determination	Notify Start Time ~ Notify Early	
	Determination	× ×	
	Cancellation	· ·	

12. Configure action settings. Select API caller in this example. The following screen will appear when API is selected.

IoT Platform	m				Testent JD. MANU	ML-001-CPD M.	NAMEACOT	TUINS
Resource	Event Registratio	n						
in	Action*	APE Call 🛩]				^	
Event Li	URI	1						4) (
Press print Scaling or	Method*	POST 👻						
Recent 10	Authentication ID	(Authentication Passwd		1		
Resource	Field Name1			Field Value1			- 1	
	Field Name2			Field Value2				et .
a estindas	Field Name3			Field Value3				
6.12	Field Name4			Field Value4			- 1	
	Field Name5			Field Value5				
	Field Name6			Field Value6			~	

13. Configure API settings. Configure API settings based on the API specifications set by the customer.

Resource	Event Registration		
-	Field Name3	Field Value3	1
Event Li	Field Name4	Field Value4	Nid!
Passe antis Analistica apr	Field Name5	Field ValueS	
Event ID	Field Name5	Field Value6	
Restutta	Field Name7	Field Value7	
	Field Name8	Field Value8	
9 jenuita (8 re	Field Name9	Field Value9	
1.16	Field Name10	Field Value10	
	Body		

14. Click Add at the bottom of the window. Click OK on the Confirmation screen to add event settings.

5.2.9. Access Control Settings

- This section includes details on the anticipated methods of use

[1] Service Portal access controls

This section describes how to add settings to restrict PCs able to log into the Service Portal using the user ID used in 5.2.1.

1. Click "Access Control" on the Main screen.

IoT Platfor	n						Tenant ID MANUAL	001 (JP) 🗸 hanako 🗸	FUjirsu
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	

The Service Portal Access Control screen will appear.

*Refer to Chapter 4.5.1 for more information about the Main screen.

2. Click Add on the Service Portal Access Control screen.

	Event Log					
Service Portal Access Code						
Service Portal - Access Cont	trol List				ſ	Add
Please enter required information and click	"Search" button to show results.					
Permitted IP address	Forward	d Match)	User ID	·	(Forward Mate	h)
						Search
G results (0 sejected)						
Permitted IP address				User ID		
Delete						
100/0201						

3. Enter the permitted IP address. Enter one of the following.

- a. Enter the first permitted IP address and leave the stop field blank.
- b. Or, enter the permitted IP address range to include the PC being granted access.

Example: If the IP address of the PC being permitted access is 10.20.30.100 Start: 10.20.30.1 Stop: 10.20.30.200

4. Enter the user ID (can also be left blank) and click Search on the Service Portal - Access Control Registration screen.

5. Select the user ID check box for the user (hanako) you prefer to permit access from the search results, and then click Add.

The selected user ID will be moved to the Target User list.

foT Platform	Text	HID MANUAL-DOI 101 - DAMAGE TURING
Resource Access Code	Service Portal - Access Control Registration	immon.
Service Partal Access Gr	4 militi () selected)	^
Service Portal - Access	elect al anakço@init.cos.fujiteu.com	(444)
Reported required reformation on	jin@mlcoshyisu.com sabun@mlcoshyitsu.com taro@mlcoshyitsu.com	
Permittaal (P selaress	Target Use'	need Sheet St
	Angel van	Sourch
direnti Bisezzon Permini Pieddess		
Denne		.
	Cancel	Add

6. Click Add at the bottom of the screen to display the Confirmation screen. Use the Confirmation screen to confirm changes. If this is correct, click Enter.

ToT Platform		Lenver III MARILAL	ans Lift w. house w. Pulities
Resource Access Code	Service Portal - Access Contr	ol Registration - Confirmation	amon
Service Portal Access C: Service Portal - Access	administrators login again within 10 minutes a	anly updated with the following setting. all of the administrators in order to update permanently, please one of the	
Reasonable required information and	Permitted IP address	Start 10.20.30.1 - Stop 10.20.30.200	
Permitted II	Comment		in the second se
address	Targat Usar		werd Metric
	hanako@mLcss.tujtsu.com		
Frank & smooth Frankline Poststore Frankline			Scarel)
	Return	Enter	

7. Login again with a user ID that has been permitted access within 10 minutes to enable the Service Portal access controls added.

[2] Access code access controls

This section describes how to add settings to restrict devices permitted access for access codes added in 5.2.4.

1 . Click "Access Control" on the Main screen.

Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	

*Refer to Chapter 4.5.1 for more information about the Main screen.

2. Click the Access Code tab.

Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common
----------	-------------	-------	-----	------	----------------	--------------	-------------	--------

The Access Code - Access Control screen will appear.

3. Click Add on the Access Code - Access Control screen.

source	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common
Service Porta	al Access Code							
Access Co	de - Access Cont	rol List						Add
Please enter req	pured information and did	c"Search" buttor						
Permitted I address	•		(Forwa	nd Match)	Access Co	ode		(Forward Match)
								Search
0 results 10 seles	cied)							
01606 (0 200						Access Code		

4. Enter the permitted IP address. Enter one of the following.

a. Enter the first permitted IP address and leave the stop field blank.

b. Enter the start and stop permitted IP address range to include the device being granted access.

Example: If the IP address of the device being permitted access is 10.10.20.50 Start: 10.10.20.10 Stop: 10.10.20.100

5. Enter the access code (can also be left blank) and click Search on the Access Code Control Registration screen to display search results at the bottom of the screen.

6. Select the check box for the access code (LocationManagement22222 in this example) you prefer to permit access from the search results, and then click Add. The selected access code will be moved to the Target Access Code list.

ToT Platform		Tennet ID MARINAL-URL LITTY Databar Y TUTTSU
Resource Access Cod	Service Portal - Access Control Registration	mmon
Service Portal Access C	4 multi () selected;	
Service Portal - Access	Isanako@ml.oss.fujitsu.com jiro@ml.oss.fujitsu.com unburo@ml.oss.fujitsu.com	1.444
Permitted IP address	Taget Use"	nucl Manda
Aleman II searcem	Select all	Banch
Provinsi Preddraw Defite		
	Cancel	Add

7. Click Add at the bottom of the screen to display the Confirmation screen. Use the Confirmation screen to confirm changes. If this is correct, click Enter.

ToT Platform		Tenart III MARKA	u ann ann a tanaice a tanaice a
Resource Access Code	Service Portal - Access Co	ntrol Registration - Confirmation	mmon
Service Portal Access C: Service Portal - Access	This is to avoid the situation of login fails administrators login again within 10 min.	rporarily updated with the following setting. ne of all of the administrators. In order to update permanently, please one of the	A
Dance online service of a reasoning and	Permitted IP address	Start 10.20.30.1 - Stop 10.20.30.200	
Permitted IP podress	Comment Terget User		weed Mercha
	hanako@mLcss.fujtsu.com		
S reacts & constant. Formitted P editors :			
Debring	Return	Enter	a

5.2.10. Distribution Settings

This section describes how to add distribution settings.

1. Click "Distribution" on the Main screen.

IoT Platform	n				_		Tenant ID MANUAL	-001 (JP) ❤	hanako 🗸	คมมีกรม
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Comme	on	

*Refer to Chapter 4.5.1 for more information about the Main screen.

The tps/bps distribution settings screen will appear at the bottom of the screen.

2. Select Enable for the Entire Enable/Disable radio button.

IoT Platforr	m.					Tenant ID MANUAL-0	01 (UP) V har	ako 🛩 🛛 Fuj
Resource	Access Code	e Event Log) User	Access Co	ntrol Distribution	Certificate	Common	
tps/bps								
Please make a When entire to When Recomm	it least one Recommend etting it Orable, input i mend resource is Disabl	d click "Update" button ("Indic 5 Resource enable. Information can not be update le input information of corresp Enable (*) Disable	t		pdates			
Common Policy		Recommendation Cycle (1-1440Minutes) *	60					
			60]	(Please enter the value of Rec	mmendation Cycle or	more)	
		(1-1440Minutes) *			(Please enter the value of Rec	mmendation Cycle.or	more)	
Policy	surce *	(1-1440Minutes) * Calculating Period (1-1440Minutes) *	120		(Please enter the value of Rec	mmandation Cycle or	more)	

3. Enter a common distributed policy. Recommendation cycle: 60 Calculating period: 120

loT Platfor	m						Tenant 3D MANUAL	001 (JP) ~	hanako 🛩	FUITS
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Commo	m	
tps/bps										
Please make a When entrie 6 When Raconn		source enable metor can not be spot information of	updated. I correspondent		Ramuse can not be operated					
Entire Ena	ible/Disable 🐂 🏝 Ena	ble 🔿 Diceble								
Common Policy		commendation 1440Minutes) *		60						
		Iculating Period 1440Minutes)		120	Picare	enter the value of Reco	mmendation Cycle o	r moré)		
				Search						
Load Reso	ource* Re	source Path*								
Load Reso	ource" Re	source Path" source Name								

4. Click Search to the right of the load resource to display the Resource Path Search screen.

Enter drc for the resource path and perform a search, and then select the resource path assigned as the load resource (drc/load) and click the Enter button.

T Platforr								119
source	Resource Path Search							
ipe/bjec	Flowe enter required information and cl Strux sortable Restance Path only. Flowe select a resource path where part		vingias access protocol	a Urapecified" or "Spec	fiee" and http://permit	od.		
1 put Res	Resource Path		(Forward Match)	Resource Name	C	Forw	ard Match)	
						(Seanth	
	2 mm/ta	Resource N	fosta Form		Access Code N	Access Protocol	Certific	
	Paranerez Path	Ame O	at O	Acume Codic 👘	Access Lode N	Access (Topocoe	ate	
	O DuRescurce001	DataResource001	JSON	AccessCode001	AccessCode001	U+Specified	Disable	
	Souffercore200	OstaResource200	150%	AccessCore200		JeSpecified	Diverse	

Information pertaining to the selected resource path will appear in the fields from the resource path for the load resource to the load resource URL. Check this information before proceeding.

5. Select Enable for the recommend resource 1 Enable/Disable radio button.

loT Platform					Teoret 10 MANUAL	-003 (JP) 🛩 🛛 hasaka 🛩	านการบ
Resource Access Co	ode Event Log	User	Access Control	Distribution	Certificate	Common	
tps/bps							
Recommend Resource1	Recommend Resource1 Enable/Disat	• Enable O	Dicable				Ŷ
	Resource Path*	Search					
	Resource Name						
	Access Code*						
	Access Code Name						
	Data Format "						
	Recommend Resource URL						
	tos/bps Selection *	+ps ~					~

6. Click Search to the right of recommend resource 1 to display the Resource Path Search screen. Perform a search, and then select the resource path assigned as the recommend resource 1 (drc/recommend) and click the Enter button.

*The Resource Path Search screen is the same as the screen shown in 4.

Information pertaining to the selected resource path will appear in the fields from the resource path for

recommend resource 1 to the recommend resource URL. Check this information before proceeding.

7. Set the edge computing condition for recommend resource 1.

Example: If edge computing is set to start for values 90 and over. Character type: Numerical values Condition: 90 Judgment: Or more Notification character string: START (*)

*: As this character string is used to send notifications to the app performing edge computing, a character string that matches the app must be entered.

8. Set the edge computing resolutory condition for recommend resource 1. Refer to the following as an example setting.

Example: If edge computing is set to be stopped for values 50 and under. Character type: Numerical values Condition: 50 Judgment: Less than Notification character string: END (*)

*: As this character string is used to send notifications to the app performing edge computing, a character string that matches the app must be entered.

9. Click Update on the bottom of the screen. This updates the distribution policy with the information entered.

source Ace	ess Code Event Log	User Access Control	Distribution	Certificate	Common	
tps/bps						
	Data Format *					
	Recommend Resource URL					
	tps/bps Selection *	tps: 🗸				
	Edge Computing Condition *	Numeric V Above V	Notification String	1		
	Above-mentioned Resolutory Condition *	Numenc V Under V	Notification String	t.		
Charge will be generate	rd if updating in Enable mode. Flease push "Up	elata" buttori if il ia ole.				

5.2.11. MQTT Settings

In this section, the process used to set MQTT password is explained. Settings are not required when you do not use MQTT, and do not need to change the password.

1. Click "Common" on the Main screen.

IoT Platform	n						Tenant ID MANUAL	-001 (JP) 🛩	hanako 🗸	รบมีกรบ
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Commo	n	

*Refer to Chapter 4.5.1 for more information about the Main screen.

2. Enter MQTT password, and click Change. This updates the MQTT password with the information entered.

orm						77>\ID MANUA	L-001 (JP) V	間主通花子 根 >	หมู่กระ
アクセスコード	イベント	ログ	ユーザー	アクセス制限	分散設定	证明書生成	共通設定		
を入力し、「近天」ポタンを押し	скевн <mark>, (*</mark> илл		्मग्रहरुक.						
lame			MANUAL-00	1					
ord			Gp(2AhxX						
sword*		(ſ						
								2	₹.
	アクセスコード CORS 13 EX.7DL、12.9FL.450-86FL LitLing Fluck Sector 12.9FL.450-86FL LitLing Fluck Fl	アクセスコード イベント CORS エラー収集 とハワル、環境メホッム時以てきかい。(*ロスス は空きないことのまわす)で、 スキ、泉水ス字、辺内社会派の日です、辺内社 arme arme	アクセスコード イベント ログ CORS エラー収集 EADL: 「現現メホッタ目してのない。(*ロスカムボ) (生活なりませい)、「日本のなりて、 スキ、東スステ、辺門また成長日にす、辺門またまた):・」」や arme arme	アグセスコード イベンド ログ ユーザー CORS エラー取集 EXADL<1回集用からを用いてのロット(193スカルボ) (1935年日ンロットのマット、193スターのロット、 スタ、東ススタ、DP1をの意味見てす、2月1日(キー(1)に、日本時期前回転です。 anne MANUAL-00 ord Cp(2Ahox	アクセスコード・イベント ログ ユーザー アクセス制限 CORS エラー収集 EA.7D. 19月2月ホウン毎月してのセット(*ロスカル図) いまゆきまゆしことなったのです。 スキ、泉ススタ、辺和主が成ら日です。辺和され成ら日です。2月前にから用時回点です。 arme MANUAL-001 ord Gp(2Arbox	アクセスコード イベント ログ ユーザー アクセス制限 分散設定 CORS エラー収集 <td>アクセスコート: イベント ログ ユーザー アクセス制限 分散設定 延明書生成 CORS 1.5-収集 EX力に、協見ポポット時に(1000mk (1000 Apple)) (1000mk (1000 Apple)) MANUAL-001 Cop(2Amox MANUAL-001 Cop(2Amox</td> <td>アクセスコート イハント ログ ユーザー アクセス制限 分散設定 延明協主成 共通設定 CORS エラー収集</td> <td>アクセスコード・イベンド ログ ユーザー アクセス制限 分散設定 延時当生成 共退設定 CORS エラ・取集 EX.DL, 1度見,時かと新りしてのかい(193.Xp.000) </td>	アクセスコート: イベント ログ ユーザー アクセス制限 分散設定 延明書生成 CORS 1.5-収集 EX力に、協見ポポット時に(1000mk (1000 Apple)) (1000mk (1000 Apple)) MANUAL-001 Cop(2Amox MANUAL-001 Cop(2Amox	アクセスコート イハント ログ ユーザー アクセス制限 分散設定 延明協主成 共通設定 CORS エラー収集	アクセスコード・イベンド ログ ユーザー アクセス制限 分散設定 延時当生成 共退設定 CORS エラ・取集 EX.DL, 1度見,時かと新りしてのかい(193.Xp.000)

Example: mqttpass

5.2.12. CORS settings

In this section, the process used to set CORS as enabled and disabled is explained.

1. Click "Common" on the Main screen.

IoT Platform Tenant ID MANUAL-001 UP							001 (JP) ❤ hanal	ke Y FUITSU	
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common	

*Refer to Chapter 4.5.1 for more information about the Main screen.

2. Click the CORS tab.

oT Platfor	n							Tenant ID MANUAL	001 (JP) V hanako V	FUJ
Resource	Acces	ss Code	Event	Log	User	Access Control	Distribution	Certificate	Common	
MQTT	CORS	Error Col	lection							

The CORS settings screen will appear.

3. Select Enable when you prefer to use CORS, and Disable when you do not prefer to use CORS, and then click Change. This updates the CORS settings with the information entered.

Resource	Acce	ss Code	Event	Log	User	Access Control	Distribution	Certificate	Common	
MQTT	CORS	Error Col	lection							
DORS(Does-	Ongin Nessio	re Sharing) is a	mechanism that	control the do	main and append	from another domain outside t	the domain which protect (he satty of the web serve		
			 Enable 	0						
	and the	C DISADIC	ST BOOM	or prove						
										Update

Example: Disable

5.2.13. Error Collection Settings

In this section, the process used to set Error Collection Settings is explained.

1. Click "Common" on the Main screen.

IoT Platform						Tenant ID MANUAL	001 (JP) 🛩 🕴	hanako 🗸	FUÏTSU	
Resource	Access Code	Event	Log	User	Access Control	Distribution	Certificate	Common		

*Refer to Chapter 4.5.1 for more information about the Main screen.

2. Click the Error Collection tab.

Resource Access Code Event Log User Access Control Distribution Certificate C	Common

The Error Collection settings screen will appear.

3. Select Error Collection Enable/Disable. Select Enable when you prefer to use Error Collection, and Disable when you do not prefer to use Error Collection.

esource	Access Co	de Event	Log	User	Access Control	Distribution	Certificate	Common	_
MQTT	CORS Err	or Collection							
Error Coll	ection Enable/Di	este 🔹 🔹 Ensble 🔇	Disabl						
Resource Preservation Of Collected Error Logs*		Resource Path		_enor	1.				
		Access Code*		Search	EnorWhite				
narge will be p	enerated if updating) in Enable mode. Please (pusin "Update"	button if it is on					
									Update

Example: Enable

4. Set the access code to the error collection resource "_error" you prefer to write in.

4-1. Click Search for the Access Code.

oT Platfor	m						Tenant ID MANUAL	-001 (#?) ♥ hana	w× rujits
Resource	Access Co	de Event	Log	User	Access Control	Distribution	Certificate	Common	
MQTT	CORS En	or Collection							
Error Coll	ection Enable/D	isable" 🐮 Enablia) Disable						
Resource Preservation Of Collected Error Logs*		Resource Path		_error					
		Access Code*		Search	ErorWrite				
		Access Code Nar	ne .	ErrorWrite					
Charge will be s	generated Tupdatio	a in Enable model Please	oush "Update"	batten if it is o	4				
									Update

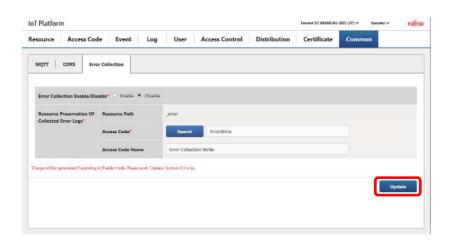
4-2. Enter "ErrorWrite" for the Access Code on the Access Code Search screen.

T Platfor	m		Tesant ID	MANUAL-IIII 199 - Basako - 1
source	Access Code Search			
NIQTT	Rease enter required information and click "Searc Rease values a resource path whose certificate is " The show just granted work permissions to the pa	not set" and whose accass protocol is "not specified" or	"specified" and http is permitted.	
Derme Cal	Access Code	(privard Match) Access Con Name	de	(Forward Match)
Resource Collector	Insula			Search
	Arress Code	Access Code Name	Access Protocols	Certificate
	BrorWrite	ErrorWrite	http	UnSet
				pdate
	Cancel			Enter

4-3. Select the Access Code "ErrorWrite", and click Execute.

f Platfor					Testant	ID MANUAL URL IP) - Invision -	UN
ource	Access Code	Search					
0QTT	Please select a recourse	Information and click "Search repath whose certificate is " d wote permissions to the pat	not set" and whose access protocol is	"not specified" or "spe	eified and http a permitted.		
Large Cal	Access Code	EncrWrite	(Forward Match)	Access Code Name	Ĩ	(Forward Match)	
Resource Cellector	1 results					Search	
	Access	Code	Access Code Name		Access Protocols	Certificate C	
	G BrorWe	tu:	ErrorWrite		http	UnSat	
ann a chuinean			LINETIC				
	Cancel					Enter	inter e

5. Click Update.



MessageID	Message	Countermeasure
00007	User ID and password do not match.	Either the user ID or password
	·	entered is wrong.
		If you have forgotten your password
		ask your system administrator to
		reset it.
		Additionally, check that the Service
		Portal access control settings do no
		contain errors.
00010	Disconnected after a period of inactivity.	Please login again.
00017	User ID and password do not match.	Either the user ID or password
		entered is wrong.
		If you have forgotten your passwor
		ask your system administrator to
		reset it.
		Additionally, check that the Service
		Portal access control settings do no
		contain errors.
06101	The corresponding information has exceeded 100	Narrow down the resource path
00101	items. Only displaying the first 100 items.	search conditions set.
06102	Enter a resource path by 128 half-width	
00102	alphanumeric characters, including -, _, and /	
	symbols, or less and / symbols cannot be used at	
	the beginning of a resource path. Additionally, -, _,	
	and / symbols cannot be used after a /.	
06103	Enter a resource name by 32 characters or less.	
06201	Enter a resource path by 2 to 128 half-width	
00201	alphanumeric characters, including -, _, and /	
	symbols. Symbols cannot be used at the beginning	
	of a resource path and after a /.	
06203	The resource path specified has been registered.	Please specify a non-registered
00205	me resource pain specifica has been registered.	resource path.
06204	Enter a resource name by 32 characters or less.	
06204	The resource name specified has been registered.	Please specify a non-registered
00200	The resource name specified has been registered.	resource name.
06207	Select a data format.	
06207	Enter a comment by 256 characters or less.	
06210	Enter an authentication ID by 20 half-width characters or less.	
0(211		
06211	Enter an authentication password by 20 half-width	
0.010	characters or less.	
06212	Enter header name 1 by 20 half-width characters	The "header name 1" number part shows
	or less.	the corresponding number.
06213	Enter header value 1 by 512 half-width characters	The "header value 1" part shows the
	or less.	corresponding number.
06214	Enter a retention period (days) by 1 to 9999	
	half-width numerals.	
06215	Enter a URI by 256 half-width characters or less.	

Chapter 6 List of Error Messages

06216	If the resource type is resource (transfer), enter a resource path by 1 to 123 half-width alphanumeric	
	characters, including -, _, and / symbols. Additionally, -, _, and / symbols cannot be used	
	after a /.	
06217	If the resource type is resource and a binary data	
	format is used, enter a resource path by 1 to 123	
	half-width alphanumeric characters, including -, _,	
	and / symbols. Additionally, -, _, and / symbols	
	cannot be used after a /.	
06301	Specify a file to be used to batch add resources.	Specify a CSV format file when batch
0(202		adding resources.
06302	An error was found with the CSV format.	Edit the CSV file used when
0(202	The CCV file evenede 100 rows Concrete the data	registering the resource again.
06303	The CSV file exceeds 100 rows. Separate the data and register it again.	
06304	The number of items is incorrect.	
06304	Select a resource type.	
06308	Select a method.	
06310	Enter an authentication ID by 20 half-width	
00510	characters or less.	
06311	Enter an authentication password by 20 half-width	
	characters or less.	
06312	Enter header name 1 by 20 half-width characters	The "header name 1" number part shows
	or less.	the corresponding number.
06313	Enter header value 1 by 512 half-width characters	The "header value 1" part shows the
	or less.	corresponding number.
06314	Enter a retention period (days) by 1 to 9999	
	half-width numerals.	
06315	Enter a URI by 256 half-width characters or less.	
06316	If resource (transfer) is selected, enter a resource	
	path by 1 to 123 half-width alphanumeric	
	characters (_fwd/ not included in character count),	
	including -, _, and / symbols. Additionally, -, _, and	
00017	/ symbols cannot be used after a /.	
06317	If the resource type is resource and a binary data	
	format is used, enter a resource path by 1 to 123	
	half-width alphanumeric characters (_bin/ not included in character count), including -, _, and /	
	symbols. Additionally, -, _, and / symbols cannot	
	be used after a /.	
06318	If the resource type is resource (transfer), enter "1" (JSON)	
00510	for the data format.	
06401	The resource path specified does not exist.	The resource may have been deleted
		by another user while updating.
		Check whether another user has
		deleted the resource.
06402	Enter a resource name by 32 characters or less.	
06404	The resource name specified already exists.	Review the resource name specified
		at updating the resource name.

06405	The resource path selected has been deleted.	
06410	Enter an authentication ID by 20 half-width	
	characters or less.	
06411	Enter an authentication password by 20 half-width	
	characters or less.	
06412	Enter header name 1 by 20 half-width characters	The "header name 1" number part shows
	or less.	the corresponding number.
06413	Enter header value 1 by 512 half-width characters	The "header value 1" part shows the
	or less.	corresponding number.
06414	Enter a retention period (days) by 1 to 9999	
	half-width numerals.	
06415	Enter a URI by 256 half-width characters or less.	
06503	Failed to delete.	Delete all events and access codes
		tied to the resource before
		attempting to delete the resource.
06504	Delete was failed because Access Code exists	
	under the resource.	
07101	Enter an access code by 48 half-width	
	alphanumeric characters or less.	
07102	Enter an access code by 32 characters or less.	
07103	Enter a resource path by 128 half-width	
	alphanumeric characters, including -, _, and /	
	symbols, or less and / symbols cannot be used at	
	the beginning of a resource path. Additionally, -, _,	
	and / symbols cannot be used after a /.	
07104	Enter a resource name by 32 characters or less.	
07105	The corresponding information has exceeded	
	1,000 items. Only displaying the first 1,000 items.	
07201	Enter an access code by 3 to 48 half-width	
	alphanumeric characters.	
07202	Select a resource path.	Output when the resource you prefer
	· ·	to tie to the access code has not
		been selected.
07203	Select at least one access permission (UR).	
07204	Enter a comment by 256 characters or less.	
	,	
07205	Access permissions CDL and L cannot be selected	
	at the same time.	
07206	Specify one or more access protocol from http,	
	https, mqtt, or mqtts.	
07207	Specify a correct certification file(under 10000	
	Bytes).	
07208	Specify a text file for certificates.	
07209	Reading the certificate fie fails. Please try again.	

07301	Enter an access code by 3 to 48 half-width alphanumeric characters.	
07302	Specify a file to be used to batch add access codes.	
07303	An error was found with the CSV format.	
07304	The CSV file exceeds 100 rows. Separate the data and register it again.	
07305	The number of items is incorrect.	Review the CSV file to be used when batch registering access codes.
07306	Select a combination of CDL, L, R, and U access permissions.	
07401	Select a resource path.	
07402	Select at least one access permission (UR).	
07403	Enter a comment by 256 characters or less.	
07406	Specify one or more access protocol from http, https, mqtt, or mqtts.	
07407	Specify a correct text file (10000 bytes or less) for certificates.	
07408	Specify a text file for certificates.	
07409	Reading the certificate fie fails. Please try again.	
07501	Failed to delete.	Check whether or not the event or access code access controls tied to the corresponding access code have been defined.
07601	Enter an access code by 3 to 48 half-width alphanumeric characters.	
07602	Enter an access code by 32 characters or less.	
07603	Enter a comment by 256 characters or less.	
07604	Enter a resource path by 2 to 128 half-width alphanumeric characters, including -, _, and / symbols. Symbols cannot be used at the beginning of a resource path and after a /.	
07605	Enter an access permission by 2-character UR or less.	
07606	The resource path repeats.	
07607	Specify one or more access protocol from http, https, mqtt, or mqtts.	
07702	The access code specified has already been registered.	
07703	The resource path specified does not exist.	
07704	Access code matching search conditions not found.	
07705	Access code matching search conditions not found.	
07706	Information needed for registration not found.	

07707		
07707	Event associated with target access code found.	
07708	Insufficient access permissions not associated with	
	a resource.	
07709	Insufficient access code permission information.	
07710	Insufficient resource permission information.	
07711	Insufficient resource permission resource path.	
07712	Insufficient resource access permission.	
07713	IP filters associated with target access code found.	
07714	Enabled distribution policy associated with target	
	access code found.	
07715	Enabled recommend resource associated with	
	target access code found.	
07716	The target access code has a distribution policy	
	with upload permissions.	
07717	The target access code has a recommend resource	
	with upload permissions.	
07718	Event associated with target access code and	
	resource found.	
07719	The number of resource paths that can be added	
	with a single request has been exceeded.	
07720	The access protocol not permitted.	
07721	Certificate file format includes error.	
07722	Access protocol format includes error.	
07723	The certificate file exceeds 10000 bytes.	
07724	Specify a correct text file for certificates.	
07725	Access protocol duplicated.	
08101	Enter an event ID by 12 half-width alphanumeric	
	characters or less.	
08102	Enter an event name by 32 characters or less.	
08103	Enter a resource path by 128 half-width	
00105	alphanumeric characters, including -, _, and /	
	symbols, or less and / symbols cannot be used at	
	the beginning of a resource path. Additionally, -, _,	
	and / symbols cannot be used after a /.	
08104	Enter a resource name by 32 characters or less.	
08105	The corresponding information has exceeded	
00100		
00201	1,000 items. Only displaying the first 1,000 items.	
08201	Enter an event name by 32 characters or less.	
08202	Enter a comment by 256 characters or less.	
08203	Enter a resource path by 128 half-width	
	alphanumeric characters, including -, _, and /	
	symbols, or less and / symbols cannot be used at	
	the beginning of a resource path. Additionally, -, _,	
	and / symbols cannot be used after a /.	
08204	Enter a resource name by 32 characters or less.	

08205	Enter an access code by 3 to 48 half-width	
	alphanumeric characters.	
08206	Enter an access code by 32 characters or less.	
08207	Enter a data position by 1902 half-width characters or less.	
08208	Invalid detection data format.	Check that a character string has not been specified when numerical value is selected.
08209	Invalid released data format.	Check that a character string has not been specified when numerical value is selected.
08210	Enter an email address by 254 characters or less in an email address format.	
08211	Enter a subject line by 256 characters or less.	
08212	Enter the main text by 140 characters or less.	
08213	Enter a URI by 256 half-width characters or less.	
08214	Enter an authentication ID by 20 half-width characters or less.	
08215	Enter an authentication password by 20 half-width characters or less.	
08216	Enter a header name by 20 half-width characters or less.	
08217	Enter a header value by 512 half-width characters or less.	
08218	Enter the body by 1,024 characters or less.	
08219	Enter the event detection condition start time (hour).	
08220	Enter the event detection condition start time (minutes).	
08221	Enter the event detection condition start time (seconds).	
08222	Enter the correct event detection condition start time.	Check whether a value outside the time range (e.g., a value of 25 or higher for hours and 60 or higher for minutes and seconds) has been set.
08223	Enter the event detection condition end time (hour).	
08224	Enter the event detection condition end time (minutes).	
08225	Enter the event detection condition end time (seconds).	
08226	Enter the correct event detection condition end time.	Check whether a value outside the time range (e.g., a value of 25 or higher for hours and 60 or higher for minutes and seconds) has been set.
08227	Set a value lower than the detection condition end time as the detection condition start time.	

08228	Enter the event detection condition start time (date).	
08229	Enter the event detection condition end time (date).	
08230	Select detect event judgment.	
08231	Select cancel event judgment.	
08232	Select event detection condition.	
08233	Select cancel event condition.	
08234	If the detection condition is a numerical value,	
00251	enter by up to five integer part and five decimal	
	part half-width numbers.	
08235	If the detection condition is a character string,	
00233	enter by 128 characters or less.	
08236	If the resolutory condition is a numerical value,	
00230	enter by up to five integer part and five decimal	
	part half-width numbers.	
08237	If the resolutory condition is a character string,	
00257	enter by 128 characters or less.	
08301	Enter an event name by 32 characters or less.	
08302	Enter a comment by 256 characters or less.	
00502	,	
08303	Enter a resource path by 128 half-width	
	alphanumeric characters, including -, _, and /	
	symbols, or less. Symbols cannot be used at the	
	beginning of a resource path and after a /.	
08304	Enter a resource name by 32 characters or less.	
08305	Enter an access code by 3 to 48 half-width	
	alphanumeric characters.	
08306	Enter an access code by 32 characters or less.	
08307	Enter a data position by 1902 half-width	
	characters or less.	
08308	Invalid detection data format.	Check that a character string has not
		been specified when numerical
		value is selected.
08309	Invalid released data format.	Check that a character string has not
		been specified when numerical
		value is selected.
08310	Enter an email address by 254 characters or less in	
	an email address format.	
08311	Enter a subject line by 256 characters or less.	
08312	Enter the main text by 140 characters or less.	
08313	Enter a URI by 256 half-width characters or less.	
08314	Enter an authentication ID by 20 half-width	
	characters or less.	
08315	Enter an authentication password by 20 half-width	
	characters or less.	
08316	Enter a header name by 20 half-width characters	

08317	Enter a header value by 512 half-width characters or less.	
08318	Enter the body by 1,024 characters or less.	
08319	Enter the event detection condition start time (hour).	
08320	Enter the event detection condition start time (minutes).	
08321	Enter the event detection condition start time (seconds).	
08322	Enter the correct event detection condition start time.	
08323	Enter the event detection condition end time (hour).	
08324	Enter the event detection condition end time (minutes).	
08325	Enter the event detection condition end time (seconds).	
08326	Enter the correct event detection condition end time.	
08327	Set a value lower than the detection condition end time as the detection condition start time.	
08328	Enter the event detection condition start time (date).	
08329	Enter the event detection condition end time (date).	
08330	Select detect event judgment.	
08331	Select cancel event judgment.	
08332	Select event detection condition.	
08333	Select cancel event condition.	
08334	If the detection condition is a numerical value, enter by up to five integer part and five decimal part half-width numbers.	
08335	If the detection condition is a character string, enter by 128 characters or less.	
08336	If the resolutory condition is a numerical value, enter by up to five integer part and five decimal part half-width numbers.	
08337	If the resolutory condition is a character string, enter by 128 characters or less.	
08502	Failed to delete.	
08704	Failed to send to the event judgment part.	
08705	The response from the event judgment part has timed out.	
08707	Related event information not found.	
08708	Target resource not found.	
08710	Related event information not found.	
08711	Event ID not specified.	
08712	Invalid request URL.	
08713	Invalid event search conditions.	
08714	Invalid filter conditions.	
):	rved, Copyright©FUJITSU LIMITED 2016-2018	

08715	Invalid top conditions.	
08716	Invalid skip conditions.	
08717	Insufficient event conditions.	
08718	Insufficient event targets.	
08719	Insufficient event target resource path.	
08720	Insufficient target resource data operation.	
	Insufficient access code with a target resource path	
08721	with read permissions.	
08722	Insufficient notification condition path format.	
00700	Insufficient resource path specifying notification	
08723	condition body elements.	
0072/	Insufficient notification condition comparative	
08724	operators.	
00725	Insufficient notification condition comparative	
08725	target value.	
08726	Insufficient inhibit condition path format.	
00727	Insufficient resource path specifying inhibit	
08727	condition body elements.	
00720	Insufficient inhibit condition comparative	
08728	operators.	
00720	Insufficient inhibit condition comparative target	
08729	value.	
08730	Insufficient notification content specification.	
08731	Insufficient notification destination email address.	
08732	Insufficient notification email body text.	
08733	Insufficient notification HTTP Method.	
08734	Insufficient notification URI.	
08735	Insufficient notification header field.	
08736	Insufficient notification header field name.	
08737	Insufficient notification header field value.	
08738	Insufficient notification.	
08739	input parameter error. resource_path is duplicated.	
08740	iot-pf Service Unavailable.	
08741	iot-pf Service Unavailable.	
08742	iot-pf Service Unavailable.	
08743	tenant ID not found.	
08744	iot-pf Service Unavailable.	
08745	iot-pf Service Unavailable.	
08746	iot-pf internal error.	
08747	Reload configuration to fail to read config.	
08748	request access code has event.	
08749	request access code can't read event.	
08750	request access code has dispersion policy.	
08751	request access code has recommend resource.	
08752	request access code can't update dispersion policy.	
08753	request access code can't update recommend	
	resource.	
08754	request access code and resource have event.	
09102	Enter the start date in YYYY/MM/DD format.	
09103	Enter the end date in YYYY/MM/DD format.	

09104	Enter the start time in HH:MM format.	
09105	Enter the start time in HH:MM format.	
09106	Enter the end time in HH:MM format.	
09107	Enter the end time in HH:MM format.	
09108	Make sure to enter time later than the start time	
	for an end time.	
09109	The corresponding information was not found.	Please review the detection
		conditions in the operating log.
09110	Enter a user ID by 254 characters or less in an	
	email address format.	
09111	Enter a user name by 32 characters or less.	
09201	The corresponding condition has exceeded 1,000	
	items. Only displaying the first 1,000 items.	
09501	Enter the target date in YYYY/MM/DD format.	
09502	A usage amount log for the target date does not	
	exist.	
09700	A usage amount log for the target month does not	
	exist.	
09801	A usage amount log for the target month does not	
	exist.	
09901	Problems were found with the log file which may	
	prevent it from displaying properly.	
09903	The system is busy. Please Try again after a while.	
10101	Enter a user ID by 254 characters or less in an	
	email address format.	
10102	Enter a user name by 32 characters or less.	
10103	The corresponding information has exceeded	
	1,000 items. Only displaying the first 1,000 items.	
10201	Enter a user ID by 254 characters or less in an	
10202	email address format.	
10202	A user ID is registered.	Please specify a different user ID to
10203	Enter a wear name by 22 characters or loss	register.
	Enter a user name by 32 characters or less.	
10204 10301	Enter a comment by 256 characters or less. The user ID selected has been deleted.	The user may have been deleted by
10201	The user in selected has been deleted.	The user may have been deleted by another user while user information
		was being updated. Check whether
		another user has deleted this user.
10302	Enter a user name by 32 characters or less.	
10303	Enter a comment by 256 characters or less.	
11101	Enter a permitted IP address by 15 characters or	
	less in a IP address format.	
11102	Enter a user ID by 254 characters or less in an	
-	email address format.	
11103	The corresponding information was not found.	Please review the search conditions.
11201	Enter a start permitted IP address by 15 characters	The same message may also be
	or less in a IP address format.	output for the stop IP address.
11202	Please enter a higher value for the stop IP address	
	than the start IP address.	
Diabte Docor	ved, Copyright©FUJITSU LIMITED 2016-2018	

11203	Enter a comment by 256 characters or less.	
11204	Enter a user ID by 254 characters or less in an	
	email address format.	
11205	Enter a user name by 32 characters or less.	
11206	Select user information.	Output when the user you prefer to
		tie to the permitted IP address has
		not been selected.
11207	The corresponding information has exceeded	
	1,000 items. Only displaying the first 1,000 items.	
11208	Cannot add as five entries have already been	Up to five Service Portal access
	made.	controls can be added.
11209	The user ID selected has been deleted.	The user may have been deleted by
		another user. Check whether
		another user has deleted this user.
11301	Enter a start permitted IP address by 15 characters	The same message may also be
	or less in a IP address format.	output for the stop IP address.
11302	Please enter a higher value for the stop IP address	
	than the start IP address.	
11303	Enter a comment by 256 characters or less.	
11304	Enter a user ID by 254 characters or less in an	
	email address format.	
11305	Enter a user name by 32 characters or less.	
11306	Select user information.	Output when the user you prefer to
		tie to the permitted IP address has
		not been selected.
11307	The corresponding information has exceeded	
	1,000 items. Only displaying the first 1,000 items.	
11308	The user ID selected has been deleted.	The user may have been deleted by
		another user. Check whether
11/02		another user has deleted this user.
11402	Failed to delete.	
11601	Enter a permitted IP address by 15 characters or	
11000	less in a IP address format.	
11602	Enter an access code by 48 half-width	
11603	alphanumeric characters or less.	Please review the search conditions.
11701	The corresponding information was not found.	
11701	Enter a start permitted IP address by 15 characters or less in a IP address format.	The same message may also be output for the stop IP address.
11702	Please enter a higher value for the stop IP address	
11702	than the start IP address.	
11703	Enter a comment by 256 characters or less.	
11704	Enter an access code by 48 half-width	
11704	alphanumeric characters or less.	
11705	Enter an access code by 32 characters or less.	
11706	Select access code information.	Output when the access code you
11700		prefer to tie to the permitted IP
		address has not been selected.
11707	The corresponding information has exceeded	
11707	1,000 items. Only displaying the first 1,000 items.	
	received and applying the motil food feeling.	

11708	Cannot add as five entries have already been	Up to five access controls can be
	made.	added.
11709	The access code selected has been deleted.	The access code may have been
		deleted by another user. Check
		whether another user has deleted
		this access code.
11710	The starting IP address and ending IP address has	Register a different starting IP
	been registered.	address and ending IP address.
11801	Enter a start permitted IP address by 15 characters	The same message may also be
	or less in a IP address format.	output for the stop IP address.
11802	Please enter a higher value for the stop IP address	
	than the start IP address.	
11803	Enter a comment by 256 characters or less.	
11804	Enter an access code by 48 half-width	
	alphanumeric characters or less.	
11805	Enter an access code by 32 characters or less.	
11806	Select access code information.	Output when the access code you
		prefer to tie to the permitted IP
		address has not been selected.
11807	The corresponding information has exceeded	
	1,000 items. Only displaying the first 1,000 items.	
11808	The access code selected has been deleted.	The access code may have been
		deleted by another user. Check
		whether another user has deleted
		this access code.
11902	Failed to delete.	
12101	Enter a recommendation cycle by 1 to 1440	
	half-width numerals.	
12102	Enter a calculating period (days) by 1 to 1440	
	half-width numerals.	
12103	Set a greater value for the calculating period than	
	the recommendation cycle.	
12104	Enter the resource path of a load resource by 2 to	
	128 half-width alphanumeric characters, including	
	-, _, and / symbols. Symbols cannot be used at the	
	beginning of a resource path and after a /.	
12105	Enter a load resource access code by 3 to 48	
	half-width alphanumeric characters.	
12106	Make sure to enable at least one recommend	Enable recommend resources 1, 2 or
	resource.	3 to enable distribution settings.
12107	Enter a resource path for recommend resource 1 by	*1
	2 to 128 half-width alphanumeric characters,	
	including -, _, and / symbols. Symbols cannot be	
	used at the beginning of a resource path and after	
	a /.	
12108	Enter an access code for recommend resource 1 by	*1
	3 to 48 half-width alphanumeric characters.	
12109	Enter an edge computing condition for	*1
	recommend resource 1 of up to 10 half-width	
	numerals.	

12110	Colort the adaption detection indemont	*1
12110	Select the edge computing detection judgment	
	condition for recommend resource 1.	
12113	Select the resolutory judgment condition for the	*1
	above for recommend resource 1.	
12115	Failed to send update notification as the planner	Please wait a while before trying
	has not been started.	again.
12116	Failed to send update notification as the planner is	
	still being started, or has been shutdown.	
12117	Failed to send update notification as the data	
	format sent to the planner is incorrect.	
12119	An HTTP request error has been received from the	
	planner.	
12120	The resource path for the load resource does not	The access code permissions
	match the access code permission-controlled	associated with the resource path
	resource path.	may have been changed, or the
		access code may have been deleted
		by another user. Check whether
		another user has changed or deleted
		this access code.
12121	The resource path for recommend resource 1 does	*1
	not match the access code permission-controlled	
	resource path.	
12122	Please enter Edge Computing Condition is value of	
	Condition Resolutive or more.	
13200	Enter a new password of 8 to 12 characters for the	
	following policy.	

*1: The "recommend resource 1" number part shows the corresponding field number.

Chapter 7 Appendix

7.1 Notes on the CSV Format

7.1.1 **Overview of the CSV Format Used for Resources**

No.	Header name (Japanese)	Header name (English)	Required	Character type	No. of characte rs	Format	Notes
1	Resource path	Resource Path	Yes	Single-byte alphanumer ic characters and symbols	Up to 128	-	Available symbols - (hyphen), _ (underscore), / (slash)
2	Resource Name	Resource Name	-	Single-/dou ble-byte	Up to 32	-	Usable characters Numbers, upper and lower case alphabetical characters, Double-byte characters, @ - ():
3	Data format (1: JSON 2: Binary)	Data Format (1:JSON 2:BINARY)	Yes	Single-byte numerals	1	Numeric al values	
4	Comment	Comment	-	Single-/dou ble-byte	Up to 256	-	Japanese language input available
5	Retention period (1-9999 days)	Retention period	Yes	Single-byte numerals	Up to 4	-	Unit: Days
6	Resource type (1: Resource 2: Resource (transfer))	Resource Kind(1:Accumula tion 2:Transfer)	Yes	Single-byte numerals	1	Numeric al values	
7	URI	URI	-	Single-byte alphanumer ic characters and symbols	Up to 256	-	
8	Method (1:POST 2:PUT 3:GET 4: DELETE 5:HEAD 6:OPTIONS 7:TRACE)	Method(1:POST 2:PUT 3:GET 4: DELETE 5:HEAD 6:OPTIONS 7:TRACE)	-	Single-byte numerals	1	Numeric al values	Numbers from 1 to 7
9	Authenticatio n ID	Authentication ID	-	Single-byte alphanumer ic characters and	Up to 20	-	

				symbols			
10	A	A .1		symbols			
10	Authenticatio	Authentication	-	Single-byte	Up to 20	-	
	n password	Passwd		alphanumer			
				ic characters			
				and			
				symbols			
11	Header name	Field Name1	-	Single-byte	Up to 20	-	
	1			alphanumer			
				ic characters			
				and			
				symbols			
12	Header value	Field Value1	-	Single-byte	Up to	-	
	1			alphanumer	512		
				ic characters			
				and			
				symbols			
	I		1		I		I
30	Header name	Field Name10	-	Single-byte	Up to 20	-	
	10			alphanumer			
				ic characters			
				and			
				symbols			
31	Header value	Field Value10	-	Single-byte	Up to 512	-	
	10			alphanumer			
				ic characters			
				and			
				symbols			
	1			Symbols			

ANote

- The character codes that can be used for CSV files with each Add All function are based on the screen display language, as follows.
- If the display language is Japanese: Shift-JIS, JIS, EUC, and UTF-8 (Automatic discrimination. Character codes cannot be mixed)
- If the display language is English: UTF-8

CSV image

7	のし、ホーム 挿入 ページレイア	THE TRACE OF ALL PROPERTY	表示 開	DC .								v 🕜 :	- 8
	A1 • 🤄 1	Resource Path											
4		B	C	D.	E	F	G	н	1	J	К	L	
			Data Form		Retention P	Resource 1	URI	Method(1.)	Authentic	a Authentic	a Field Nam	ne Field Value	e Fiel
		DataResource001		Resource for Data	1	1							
Ľ		Line1		Camera Image	া	1							
	fwd/DataFowardingResource00t			Resource for Data Fowa	rding	2	http://appl	1	fwduser	passwd	header	value	
		Attendance Management(hanako		Manager	1	1							
	diligenos/status/jiro	Attendance Management(jirc)	1	Regular employee	1	1							
		Attendance Management(taro)		Regular employee	1	1							
		Load resource		Application Load	1	1							
э.	drc/recommend	Recommend resource	1	Recommend	1	1							
0	lot/machine/S1	IoT machine S1	1	IoT machine	1	1							
t.	lo catio n/hanako	Location Management(hanako)	1	Manager	1								
2	location/jro	Location Management(jro)	1	Regular employee	1	1							
3	lo catio n/taro	Location Management(taro)	1	Regular employee	1	1							
4													
5													
6													
7													
8													
8													
0													
1													
22													
23													
4													
5													
6													
7													
8													
9													
õ													
It													

7.1.2 **Overview of the CSV Format Used for Access Codes**

No	Header name (Japanes e)	Header name (English)	Requir ed	Character type	No. of characte rs	Form at	Notes
1	Access codes	Access Code	Yes	Single-byte alphanumeric characters	3 to 48	-	
2	Access Code Name	Access Code Name	_	Single-/double-b yte	Up to 32	-	Usable characters Numbers, upper and lower case alphabetical characters, Double-byte characters, @ - () :
3	Commen t	Commen t	-	Single-/double-b yte	Up to 256	-	Japanese language input available
4	Access protocol	Access Protocol	-	Single-byte alphabetical characters	Up to 21	-	Specify http, https, mqtt, or mqtts by ;
5	Resource path	Resource Path	Yes	Single-byte alphanumeric characters and symbols	Up to 128	-	Available symbols - (hyphen), _ (underscore), / (slash)
6	Access permissi on	Access Code Permissi on	Yes	Single-byte alphabetical characters	Up to 5	C, D, L, R, U	A combination of any CDLRU characters (varied order allowed). However, be aware that D and L permissions are required when including C, and C and L permissions are required when including D (setting L permissions without C and D permissions allowed). Possible combinations (varied order allowed). Either R or U permissions are required.

	LR/CDLU/CDLRU/LR/LU/LRU/
R/RU/U	

Memo

- Add additional columns to the right as shown in the CSV image below when you prefer to associate multiple resource paths and access permissions.

CSV image

r.	加 ホーム 挿入 ペーシレ	イアウト 数式 テータ 校開	表示 開発						v 🚱 📼
	12 🔹 🤄	fr diligencs/status/jro							
	A	В	0	D	E	F	G	н	
	Access Code	Access Code Name	Comment	Access I	P Resource Path 1	Access (o Resource Path 2	Access	Co
	DiligenceManagement11111	attendance situation RU	refer and update for all		diligencs/status/hanako	RU	diligencs/status/taro	RU	diligence/sRU
	LocationManagement22222	location information(hanako)	self location infromation		lo cation/hanako	RU	1995an (1997) (1997) (19		al presente a second
	LocationManagement33333	location information(taro)	self location infromation		lo cation/taro	RU			
	LocationManagement44444	location information(jro)	self location infromation		location/iro	RU	a conservation		
	LocationManagement55555	refer location information	refer location information		lo cation/hanako	R	location/iro	R	
	DRCLoad	load information RU			dro/load	RU	200,00,000,000,000,000		
	DRCRe commend	re commend			drc/recommend	RU			
	Line1Camera	Line1 Image	upplate, refer delete Resource	with AFI	bin/Line1/Camera	CDLRU			
	SecureloTMachine	IoT machine S1	Authentication certificate		bt/machine/S1	RU			
	ErrorRead	ErrorRead	Error Collection Read	htto	error	R			
	Error/Afrite	ErrorWrite	Error Collection Write	htto	error	U			
					*Pictors				
	* # access code 5章サンブルデ	The second se			a la la		11.		

7.2 Notes on the Sorting Policy

Search results are sorted in the following order when clicking the Sort button on the Display Search Results screen.

Single-byte symbols (*1) Single-byte numerals Single-byte alphabetical characters (upper case) Single-byte alphabetical characters (lower case) Double-byte hiragana characters Double-byte katakana characters Double-byte kanji characters Double-byte symbols (*2) Double-byte numerals Double-byte alphabetical characters (upper case) Double-byte alphabetical characters (lower case) Single-byte katakana characters

Note

- *1: Single-byte symbols are sorted by code order, and may appear behind numbers depending on the symbol type.
- *2: Double-byte characters are sorted by code order, and may not follow the above-mentioned sorting order depending on the character type.

7.3 Event Function Notification Messages

The format for notification messages sent with the event function are as follows.

For email notifications, the following message will be sent as a text file (eventinfo.txt) written in JSON format. For API calls, this service will automatically store the notification message in the body and send it if settings are configured to not store notification messages to the body in add event settings, and if the resource data format is JSON.

If the binary data format is used, notification messages will be sent without being stored to the body.

	Entry name	Description	Notes
(1)	Event ID	Stores the event ID detected.	A character string by a combination of 12 alphanumeric characters.
(2)	Operation	Stores resource operation details when the event is detected.	"update": When writing data "delete": When deleting
(3)	Timestamp	Stores the time at which the event judgment was made.	Conforms to ISO8601. (20141225T103612.001+0900, etc.)
(4)	Resource path	The resource path in use when the event was detected.	Refer to 4.6.2
(5)	Message	Data stored to the resource path	Message in JSON format

A formatting example is provided below.

{

"eventID":"123456789abc",

"operation":"update",

"date": "20141225T103612.001+0900",

"resoucepath":" Kamata/Printers/1F/Printer",

"message": {"temp" : 69}

}

7.4 Cautions When Accessing the Login URL

The following screen may appear when accessing the Login URL via Internet Explorer 11.



This issue may be resolved by changing Internet Options settings in Internet Explorer 11.

1. Click the [Advanced] tab in Internet Options.

2. Change the settings for SSL and TLS use under "Security" in the following manner.

- Deselect the "Use SSL2.0" check box
- Deselect the "Use SSL3.0" check box
- Select the "Use TLS1.0"
- Select the "Use TLS1.1"
- Select the "Use TLS1.2"

3. Click "Apply" in the bottom right, and then click "OK".

4. Restart Internet Explorer 11.

Settings	General	Security	Privacy	Content	Connections	Programs	Advand
Enable Enhanced Protected Mode* Enable Integrated Windows Authentication* Enable native XMLHTTP support Enable SmartScreen Filter Enable Strict P3P Validation* Send Do Not Track requests to sites you visit in Internet E Use SSL 2.0 Use SSL 3.0 Use TLS 1.0 Use TLS 1.1 Warn about certificate address mismatch* Warn if changing between secure and not secure mode * "Takes effect after you restart your computer Takes effect after you restart your computer Restore advanced settings Reset Internet Explorer settings to their default condition. Reset	Setting	ps					
Reset Internet Explorer settings Resets Internet Explorer's settings to their default condition. Reset		Enable Enable Enable Enable Send I Use SS Use SS	Enhance Integrat SmartSo Strict P3 Do Not Tra SL 2.0 SL 3.0 S 1.0 S 1.1	d Protecte ed Window MLHTTP su reen Filter P Validatio	is Authentication pport		net E
Reset Internet Explorer settings Resets Internet Explorer's settings to their default condition.	•	Warn Warn	about cer if changin	a between	secure and no		
Resets Internet Explorer's settings to their default Reset	۲ Ta	Warn Warn	about cer if changin	a between	secure and no	t secure mo	de T
You should only use this if your browser is in an unusable state.		Warn Warn warn warn warn warn warn warn warn w	about cer if changin after you	g between III restart you	secure and no	t secure mo	de T
	Reset Res	Warn Warn Warn kes effect a	about cer if changin after you plorer set	g between m restart you tings	secure and no ur computer Restore	t secure mo advanced s	de *
	Reset Resi cond	Warn Warn warn warn warn warn warn warn warn w	about cer if changin after you plorer set : Explorer	g between III restart you tings 's settings	to their default	t secure mo advanced s	de *
Some <u>settings</u> are managed by your system administrator.	Reset Resi conc You	Warn Warn kes effect a Internet Ex ets Internet dition. should only	about cer if changin after you plorer set : Explorer' use this i	g between III restart you tings 's settings f your brow	a secure and no ur computer Restore to their default wser is in an un	advanced s	de *