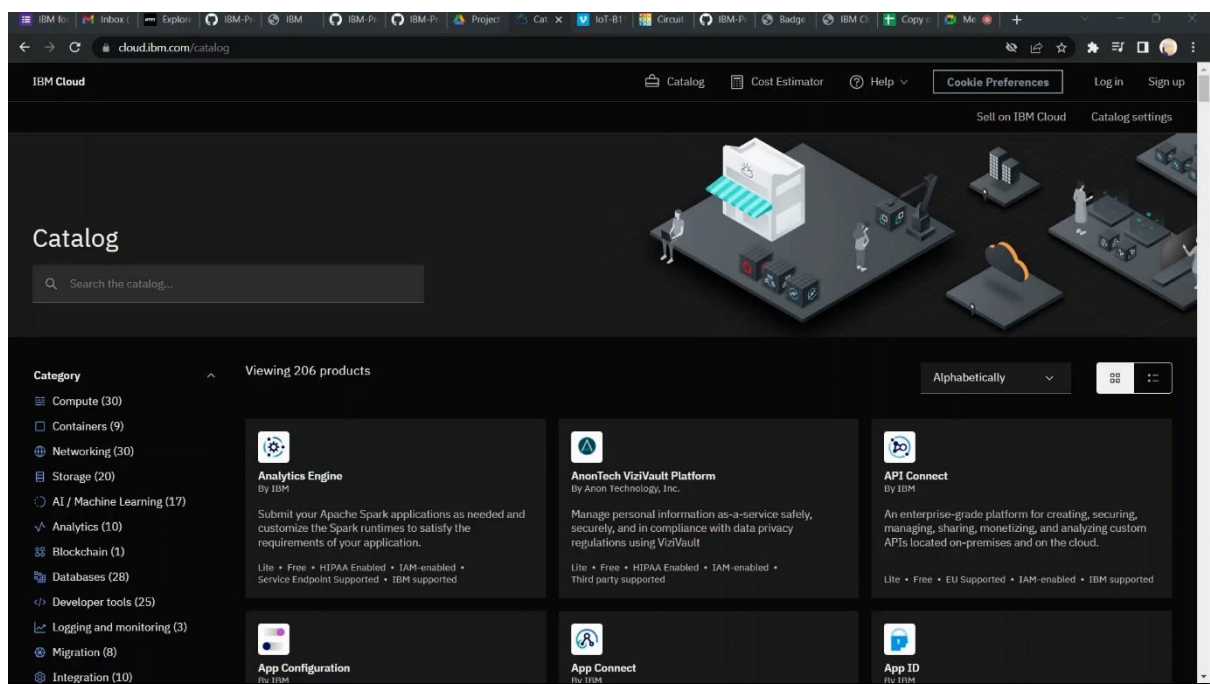


CREATE IBM WATSON IOT PLATFORM AND DEVICE


Team ID	PNT2022TMID21693
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES



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Search resources and products...

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Internet of Things Platform

This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.

CreateAbout

TypeService

ProviderIBM

Last updated08/15/2022

CategoryInternet of Things

ComplianceIAM-enabled

LocationFrankfurtLondonDallasWashington DC

Related linksDocsTerms

Select a location

Frankfurt (eu-de)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	Includes up to 500 registered devices, and a maximum of 200 MB of each data metric Maximum of 500 registered devices Maximum of 500 application bindings Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed The Lite service plan for Internet of Things Platform includes up to 500 registered devices, and a maximum of 200 MB each of data exchanged, data analyzed, and edge data analyzed per month. Lite plan services are deleted after 30 days of inactivity.	Free

Summary

Internet of Things PlatformFree

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform-rc

Resource group: Default

☒ I have read and agree to the following license agreements:
[Terms](#)

Create

Add to estimate

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Resource list /


Internet of Things Platform-rcActiveAdd tags

DetailsActions...

Manage

Plan

Connections




Let's get started with IBM Watson IoT Platform

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

LaunchDocs

Ready for the next level?


IBM Watson IoT Platform Journey



Lite

The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.


- Free
- 200 MB data-transfer limit
- 500 application bindings limit



Non-Production

The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.

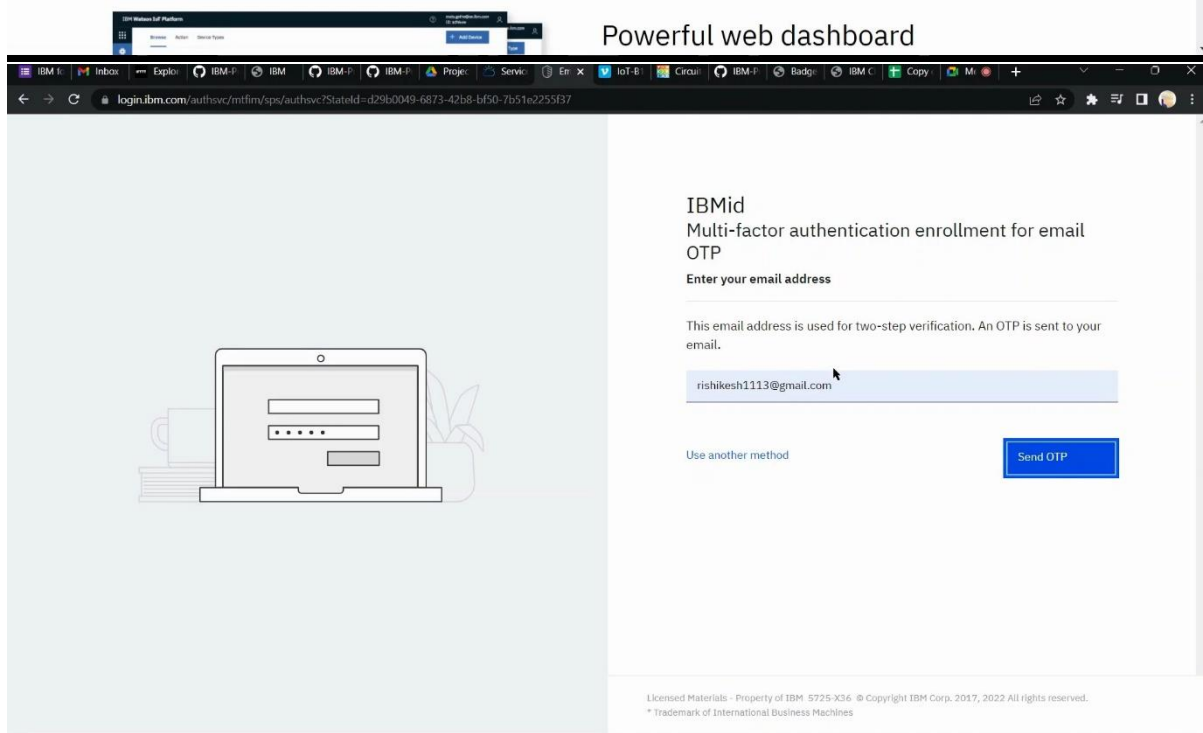
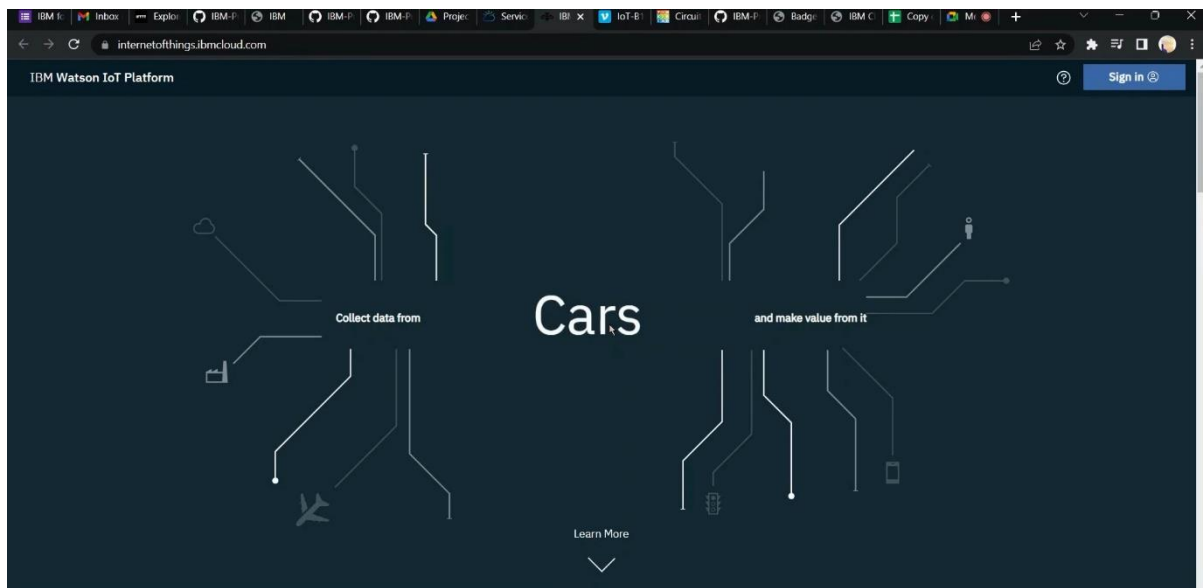
- Starts at \$500 per month
- Capacity limit based on device type
- Optional Analytics Service and Blockchain

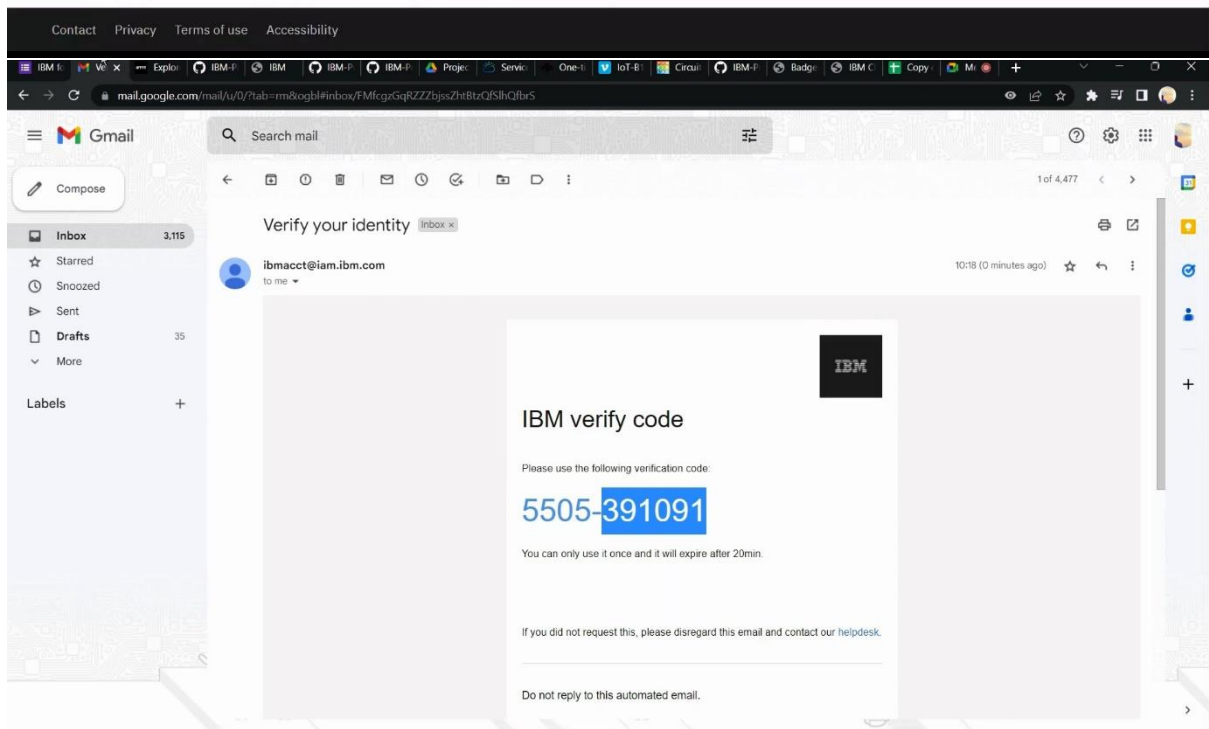
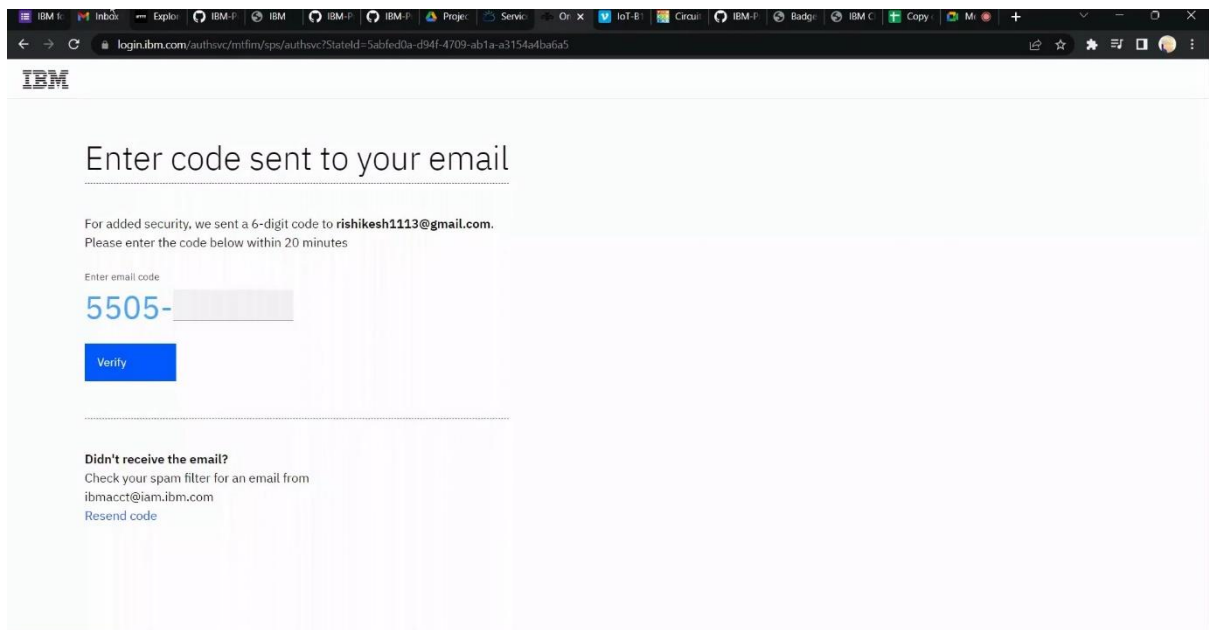


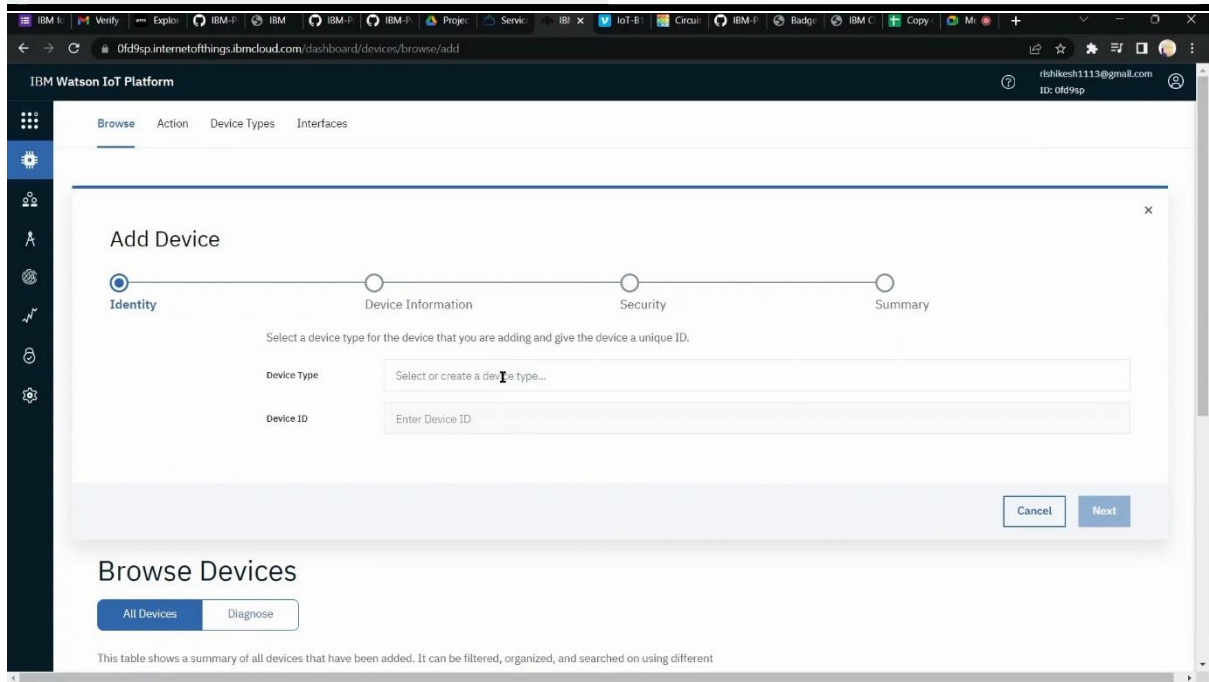
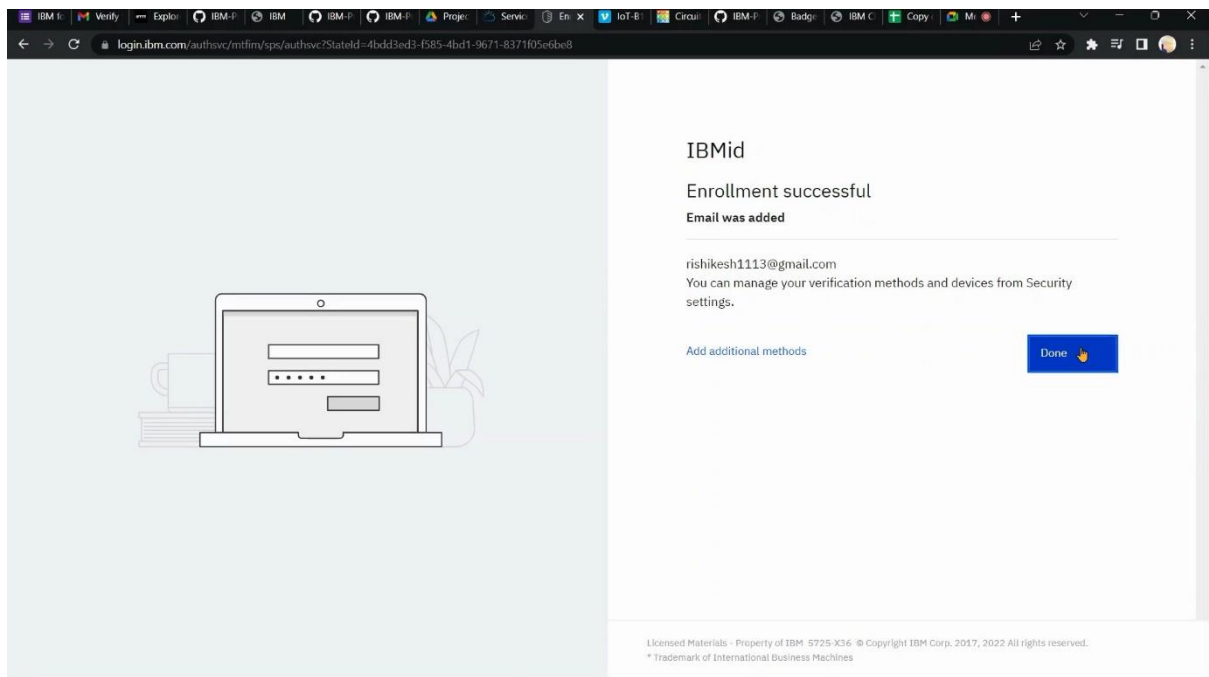
Production

The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.

- Includes IBM Service & Support
- Pricing based on number of devices per device type







IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

Add Device

Identity

Device Information

Security

Summary

You can modify the default device information and enter more information about the device for identification purposes.

Serial Number

Enter Serial Number

Model

Enter Model

Description

Enter Description

Hardware Version

Enter Hardware Version

Manufacturer

Enter Manufacturer

Device Class

Enter Device Class

Firmware Version

Enter Firmware Version

Descriptive Location

Enter Descriptive Location

Add Metadata

Back

Next

IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

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Identity

Device Information

Security

Summary

There are two options for selecting a device authentication token.

Auto-generated authentication token (default)

Allow the service to generate an authentication token for you. Tokens are 18 characters and contain a mix of alphanumeric characters and symbols. The token is returned to you at the end of the device registration process.

Self-provided authentication token

Provide your own authentication token for this device. The token must be between 8 and 36 characters and contain a mix of lowercase and uppercase letters, numbers, and symbols, which can include hyphens, underscores, and periods. Do not use repeated characters, dictionary words, user names, or other predefined sequences.

Authentication Token

12345678901234567890

Make a note of the generated token. Lost authentication tokens cannot be recovered. Tokens are encrypted before being stored.

Authentication tokens are encrypted before we store them.

IBM Watson IoT Platform

← Back

Device Drilldown - 1234

Device Credentials

- Connection Information
- Recent Events
- State
- Device Information
- Metadata
- Diagnostics
- Connection Logs
- Device Actions

Device Credentials

You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.

Organization ID	0fd9sp
Device Type	GASLEAKAGE
Device ID	1234
Authentication Method	use-token-auth
Authentication Token	12345678

⚠ Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

[Find out how to add these credentials to your device.](#)

Connection Information

Basic connection information about this device.

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☐ ☐ ☐

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	1234	Disconnected	GASLEAKAGE	Device	Nov 11, 2022 10:20 AM	

Items per page 50 | 1-1 of 1 item

1 of 1 page < 1 >

IBM Watson IoT Platform

Browse Action Device Types Interfaces

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Search by Device ID

Device ID	Status	Device Type	Class ID	Date
1234	Disconnected	GASLEAKAGE	Device	Nov 3

Identity Device Information Recent Events State Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event Value Format Last Received

Simulations

Import/Export simulation

You can use the simulated event data to learn about, test, and demonstrate fully functioning Watson IoT Platform features. You can simulate a device and its data or simulate only data for a device that is already registered.

To create a device simulation:

1. Select a device type.
2. Configure the event and payload.
3. Add devices.

Select or create a device type...

GASLEAKAGE

Project1

IBM Watson IoT Platform

Browse Action Device Types Interfaces

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Event Value Format Last Received

Device Type: GASLEAKAGE

Events 1

New event type

Event type name event_1 Send

Schedule

20 Every Minute

Payload

Specify the event payload in the editor window or by uploading a CSV file.

```
0 {
1  "randomnumber": random(0, 100)
2  "temp": random(10, 80)
3  "hum": random(60, 100)
4 }
5
```

Upload a CSV file

Cancel Save

IBM Watson IoT Platform

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New event type

Event type name pro1 Send

Schedule 20 Every Minute

Payload

Specify the event payload in the editor window or by uploading a CSV file.

```
0 {
1  "randomNumber": random(0, 100),
2  "temp": random(10, 88),
3  "hum": random(90, 100)
4 }
5
```

Upload a CSV file

Cancel Save

IBM Watson IoT Platform

Browse Action Device Types Interfaces

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Upload a CSV file

Cancel Save

IBM Watson IoT Platform

Simulations

1/50 Simulations Running

+ New Simulation

Device Type: GASLEAKAGE

1 Event

3 Device

1234

1 x Create Simulated Device Use Registered Device

7 events sent 308 bytes sent

Device ID	Status	Device Type	Class ID	Date
1234	Disconnected	GASLEAKAGE	Device	Nov 11, 2022 10:20 AM

Event	Value	Format	Last Received
pro1	{"randomNumber":92,"temp":33,"hum":97}	json	a few seconds ago
pro1	{"randomNumber":43,"temp":83,"hum":87}	json	a few seconds ago
pro1	{"randomNumber":73,"temp":50,"hum":96}	json	a few seconds ago
pro1	{"randomNumber":91,"temp":44,"hum":97}	json	a few seconds ago
pro1	{"randomNumber":46,"temp":37,"hum":86}	json	a few seconds ago

IBM Watson IoT Platform

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1234	Disconnected	GASLEAKAGE	Device	Nov 11, 2022 10:20 AM	

Event	Value	Format	Last Received
pro1	{"randomNumber":16,"temp":23,"hum":92}	json	a few seconds ago
pro1	{"randomNumber":84,"temp":54,"hum":98}	json	a few seconds ago
pro1	{"randomNumber":88,"temp":19,"hum":83}	json	a few seconds ago
pro1	{"randomNumber":92,"temp":33,"hum":97}	json	a few seconds ago
pro1	{"randomNumber":43,"temp":83,"hum":87}	json	a few seconds ago

1 Simulation running

