

# IOT HUB Configuration :

[Home](#) > [IoT Hub](#) >

## IoT hub

Microsoft

Create an IoT hub to help you connect, monitor, and manage billions of your IoT assets. [Learn more](#)

### Project details

Choose the subscription you'll use to manage deployments and costs. Use resource groups like folders to help you organize and manage resources.

Subscription \*

Azure for Students

Resource group \*

(New) cst8916

[Create new](#)

### Instance details

IoT hub name \*

RideauCanalHub

Region \*

Canada Central

Tier \*

Free

Free trial explores the app with live data. Trials cannot scale or be upgraded later.

[Compare tiers](#)

Daily message limit \*

8,000 (\$0/month)

[Review + create](#)

< Previous

Next: Networking >

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

chhu0038@algonquinliv...  
ALGONQUIN COLLEGE (ALGONQ...

[Home](#) > [IoT Hub](#) >

## IoT hub

Microsoft

Basics

Networking

Management

Add-ons

Tags

Review + create

You can connect to your IoT hub either publicly via its public hostname or privately using a private endpoint. [Learn more](#)

Connectivity configuration \*

☒ Public access

☐ Private access (Recommended)

You can change this or configure another connectivity method after this resource has been created.

[Learn more](#)

Home > IoT Hub >

IoT hub

...

Microsoft

✕

BasicsNetworkingManagementAdd-onsTagsReview + create

Role-based access control

Change the permission model to Azure role-based access control (RBAC) only, or to a combination of shared access policies and RBAC. [Learn more](#)

Permission model

☐ RBAC only

☒ Shared access policy + RBAC

To manage the elements within an instance, a user needs access to IoT Hub data APIs. Select the suggested role below to grant yourself full access to the APIs. You can also use Access Control (IAM) to choose appropriate roles later. [Learn more](#)

Assign me

☐ IoT Hub Data Contributor role ⓘ

Scale

Device-to-cloud partitions \* ⓘ

2

✓

Home > IoT Hub >

IoT hub

...

Microsoft

ⓘ Validating

BasicsNetworkingManagementAdd-onsTagsReview + create

Pricing

IoT hub

\$0 USD

per month

[Change basics](#)

Add-ons total

[Change add-ons](#)

Basics

Subscription

Resource group

IoT hub name

Region

Disaster recovery enabled

Tier

Azure for Students

cst8916

RideauCanalHub

Canada Central

Yes

Free

## Create a device ...

Find Certified for Azure IoT devices in the Device Catalog

Device ID \*

DowstLakeDev

☐ IoT Edge Device

Authentication type

Symmetric key X.509 Self-Signed X.509 CA Signed

Auto-generate keys



Connect this device to an IoT hub

Enable Disable

Parent device

No parent device

[Set a parent device](#)

## Create a device ...



Find Certified for Azure IoT devices in the Device Catalog

Device ID \*

FifthAvenueDev



☐ IoT Edge Device

Authentication type

Symmetric key X.509 Self-Signed X.509 CA Signed

Auto-generate keys



Connect this device to an IoT hub

Enable Disable

Parent device

No parent device

[Set a parent device](#)

Save