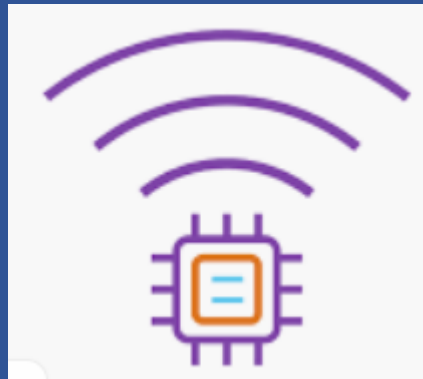


Connection string



What we need?

We need to collect information about IoT Hub and device to connect to it

- IoT Hub:
 - Name,
 - Primary key,
 - connection string
- Device :
 - ID,
 - Primary key,
 - connection string

Get IoT Hub Connection String

Open Azure portal, **Resource group**, **Resource name**

The screenshot displays the Microsoft Azure portal interface. On the left sidebar, the 'Resource groups' option is highlighted with a red arrow. The main content area shows the 'Resource groups' page for the 'Loy2019a' subscription. A table lists the resource groups, with the first item 'loyrg1' highlighted by a red arrow.

NAME
loyrg1

Click IoT Hub name

The screenshot shows the Azure portal interface for the 'loyrg1' resource group. The left sidebar contains navigation links: Overview, Activity log, Access control (IAM), Tags, Events, Settings, Quickstart, Deployments, Policies, Properties, Locks, and Export template. The main content area displays the resource group details, including the subscription (Loy2019a), subscription ID (3bcd9cd7-81ed-48e6-ad0f-d1d2258efcd9), and tags. Below this, there is a table of resources in the group. A red arrow points to the 'loyiothub1' IoT Hub.

NAME	TYPE	LOCATION
loyiothub1	IoT Hub	Southeast Asia
loy-sa-1	Stream Analytics job	Southeast Asia
loystorage1	Storage account	Southeast Asia

Click **Shared access policies / Service**

Copy **IoT Hub Name**, **Primary key** and **Connection string** / paste into Notepad

loyiothub1 - Shared access policies

IoT Hub

Search (Ctrl+/)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Events

Settings

Shared access policies

Pricing and scale

IP Filter

Certificates

Built-in endpoints

Failover

Provisioning

+ Add

IoT Hub uses permissions to grant access to each IoT hub endpoint. Permissions I functionality.

Search to filter items...

POLICY	PERMISSIONS
iothubowner	registry write, ser
service	service connect
device	device connect
registryRead	registry read
registryReadWrite	registry write

Permissions

☐ Registry read ⓘ

☐ Registry write ⓘ

☒ Service connect ⓘ

☐ Device connect ⓘ

Shared access keys

Primary key ⓘ

***** ... ⓘ

Secondary key ⓘ

***** ... ⓘ

Connection string—primary key ⓘ

***** ... ⓘ

Connection string—secondary key ⓘ

***** ... ⓘ

Get device Connection String

Go to IoT Hub

In Explorers click IoT device / Device ID

Dashboard > loyiothub1 - IoT devices

loyiothub1 - IoT devices
IoT Hub

Search (Ctrl+/)

Export template

Explorers

- Query explorer
- IoT devices**

Automatic Device Management

- IoT Edge
- IoT device configuration

Messaging

- File upload
- Message routing

+ New Refresh Delete

View, create, delete, and update devices in your IoT Hub.

Field	Operator	Value
+ × select or enter a property name	=	specify constrain
+ Add a new clause		
Query devices		

DEVICE ID	STATUS	LAST ACTIVITY TIME (UTC)	LAST S
loy-iot-device-1	Enabled	Oct 4, 2019 2:50 AM	--

Copy Device ID, Primary Key, Connection String and paste into NotePad

loy-iot-device-1
loyiothub1

Save Message to Device Direct Method Add Module Identity Device Twin Manage keys Refresh

Device ID ⓘ	loy-iot-device-1	Copy
Primary Key ⓘ	Copy
Secondary Key ⓘ	Copy
Primary Connection String ⓘ	Copy
Secondary Connection String ⓘ	Copy
Enable connection to IoT Hub ⓘ	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	

What's next?

