**STM32U5 Azure Quick Connect**

**Hardware Requirements**

* [B-U585I-IOT02A Discovery Kit](https://www.st.com/en/evaluation-tools/b-u585i-iot02a.html)
* Micro-USB Cable

**Create an Azure IoT Central Application**

Click the [Quick Connect Application Template](https://apps.azureiotcentral.com/build/new/78386d84-b743-43d7-b0e8-f6d0b06aa0eb) and login with a valid Microsoft account (no subscription required)

After choosing a unique Application name, URL, and Pricing plan click ‘Create’

Graphical user interface, text, application

Description automatically generated

**Add A Device Your Central Application**

In the menu on the left select ‘Devices’

Graphical user interface, application

Description automatically generated

Select ‘New’ to add a new device

Graphical user interface, text, application

Description automatically generated

Enter a unique ‘Device name’ and ‘Device ID’

Choose ‘B-U585I-IOT02A IoT Node 2 discovery kit.’ as the Device Template.

Make sure ‘Simulate this device’ is not selected

And select ‘Create’

Graphical user interface, text, application, email

Description automatically generated

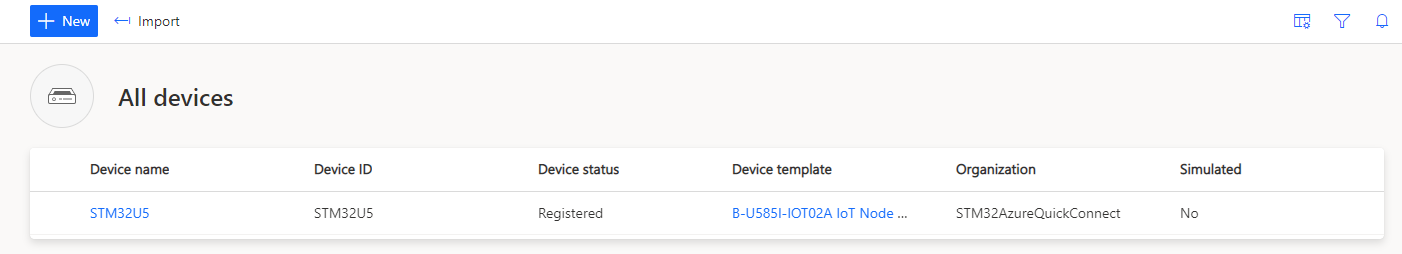
Your new device should now populate in the devices tab

Graphical user interface, text, application

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**Collect Connection Credentials**

Click on the ‘Device Name’ of the device you wish to connect to



Click ‘Connect’

Graphical user interface, text, application, email

Description automatically generated

Here you can view all the required device Connection Credentials

Graphical user interface, text, application, email

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In File Explorer Navigate to STM32\_Azure\_QuickConnect and open Config.txt

Graphical user interface, text, application

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Enter the Wi-Fi SSID and Password for your 2.4Ghz network

Copy and Paste the ID Scope, Device ID, and Primary Key into this file and save.

Graphical user interface, application, Teams

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**Run U5\_QuickConnect.py**

Connect your Discovery Kit using the Micro-USB cable as pictured below

A picture containing text, electronics, circuit

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In File Explorer Navigate to STM32\_Azure\_QuickConnect and run the [OS]\_STM32U5\_Azure\_QuickConnect executable

Graphical user interface, text, application

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Script logs can be seen in the window:

Text

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**Monitor Device Activity**

Navigate back to your device in your central application and you can see a summary of the incoming data

Chart

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Under ‘Raw data’ specific MQTT messages can be viewed

Graphical user interface, text, application, email

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