

Setup Gateway for Microsoft Azure IoT Hub



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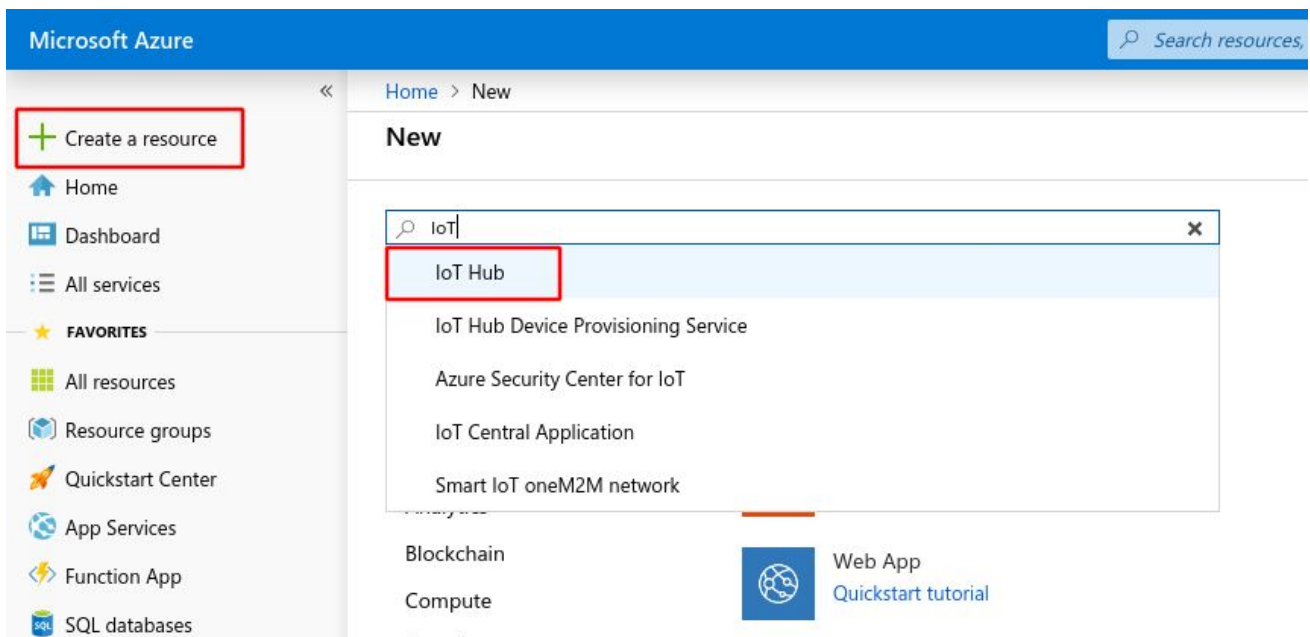
1 Overview

In this guide you will learn about how to set up an IQ Home gateway for Microsoft Azure IoT Hub applications.

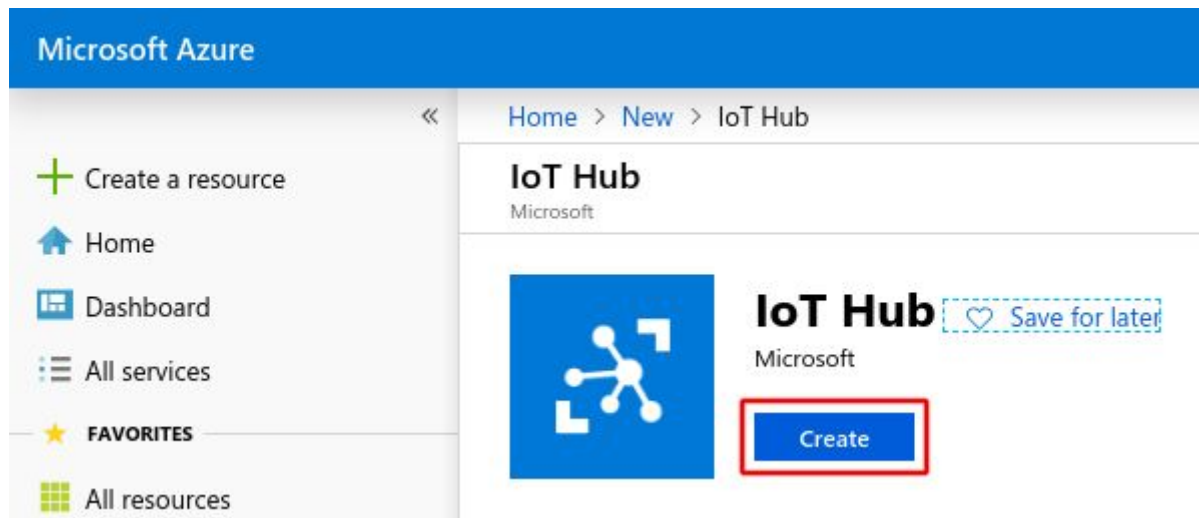
2 Creating an Azure IoT Hub

2.1 Create IoT Hub

1. Login to the Azure Portal with your account.
2. Create a new “IoT Hub” resource.



3. Create IoT Hub



2.2 Set up new IoT Hub

1. Select resource group or create it
2. Name the IoT Hub
3. Check the selection

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

IoT hub

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

PROJECT DETAILS

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

* Subscription ⓘ

* Resource Group ⓘ

1 (New) iqhome
[Create new](#)

* Region ⓘ

West Europe

* IoT Hub Name ⓘ

2 iqhome ✓

3 [Review + create](#)

[Next: Size and scale »](#)

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4. Create after review

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

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BASICS

Subscription ⓘ	
Resource Group ⓘ	iqhome
Region ⓘ	West Europe
IoT Hub Name ⓘ	iqhome

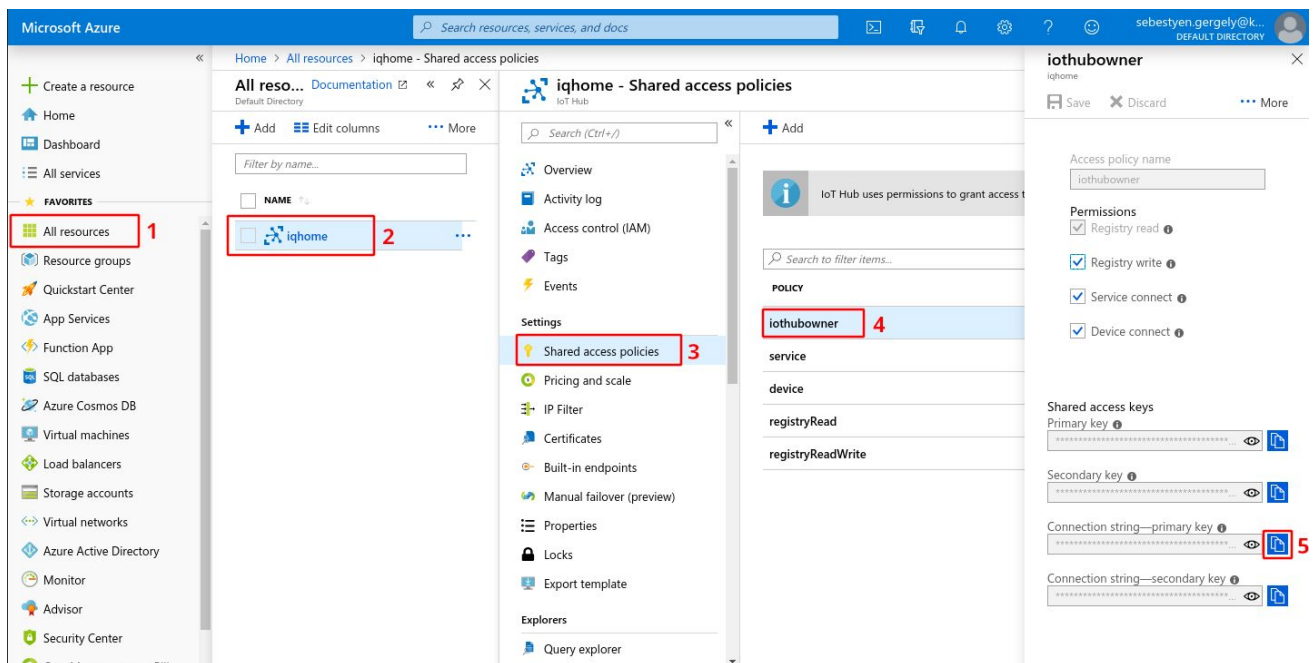
SIZE AND SCALE

Pricing and scale tier ⓘ	S1
Number of S1 IoT Hub units ⓘ	1
Messages per day ⓘ	400,000
Cost per month	21.08 EUR

[Create](#)[« Previous: Size and scale](#)[Automation options](#)

2.3 Get connection string

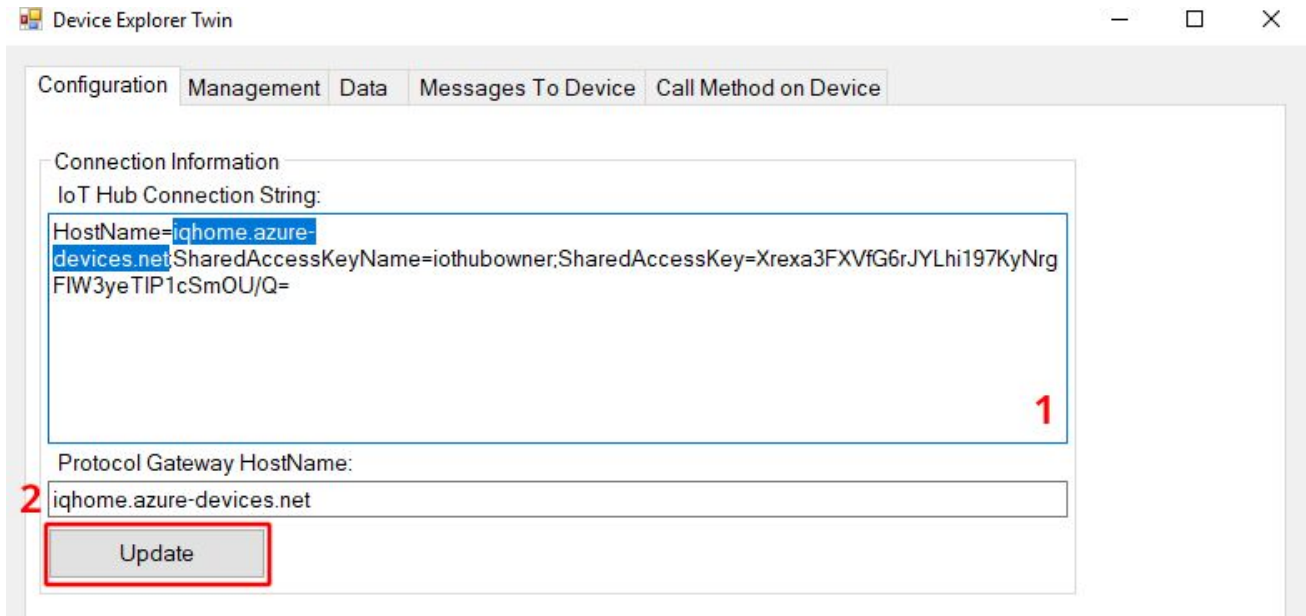
1. Open “All Resources”
2. Select the newly created IoT Hub
3. Invoke the “Shared Access Policies”.
4. Under “Policy”, select “iothubowner”
5. Copy “Connection string—primary key”



3 Register new device with Device Explorer

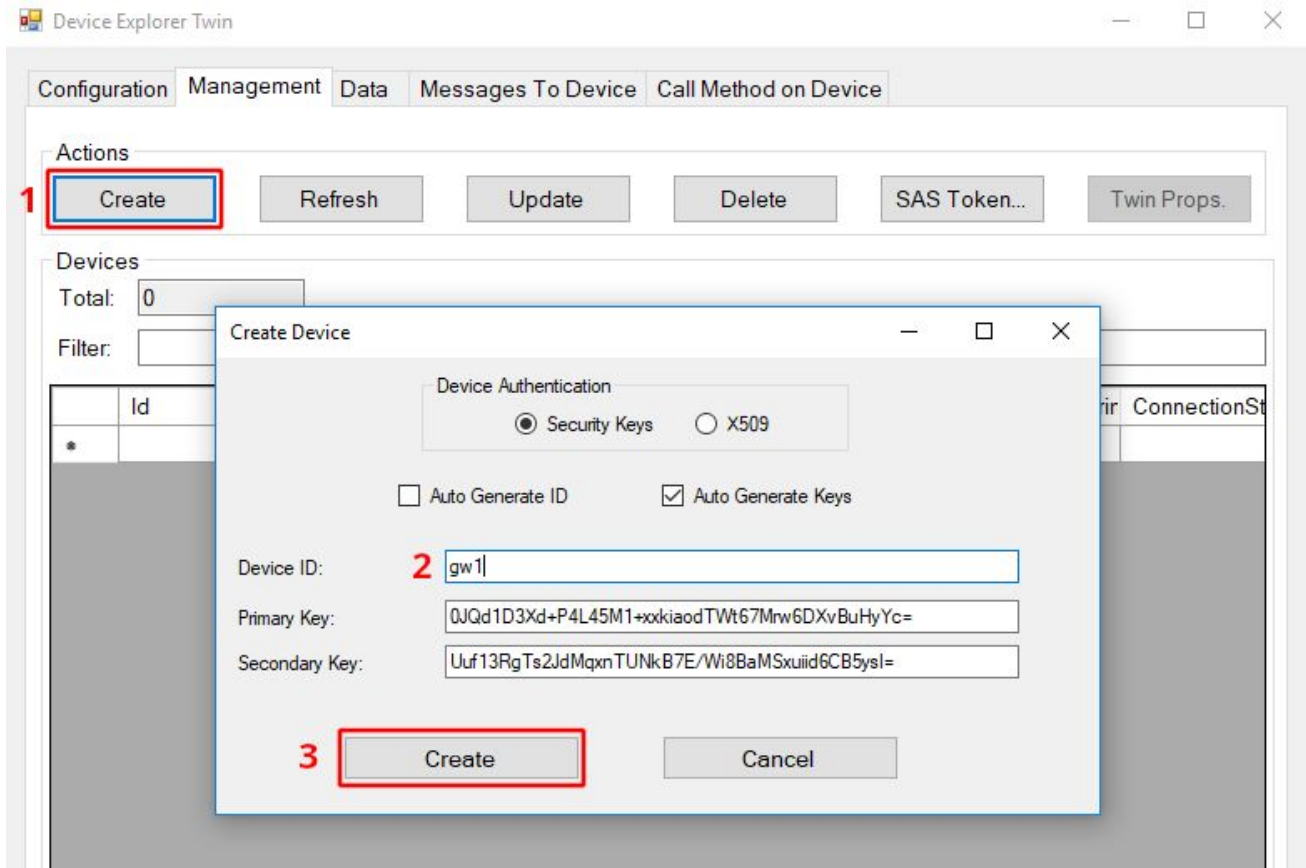
3.1 Update connection information

1. Paste the copied "Connection string—primary key" into IoT Hub Connection String area
2. Copy the hostname part from the connection string and paste into Protocol Gateway HostName
3. Click on "Update" button



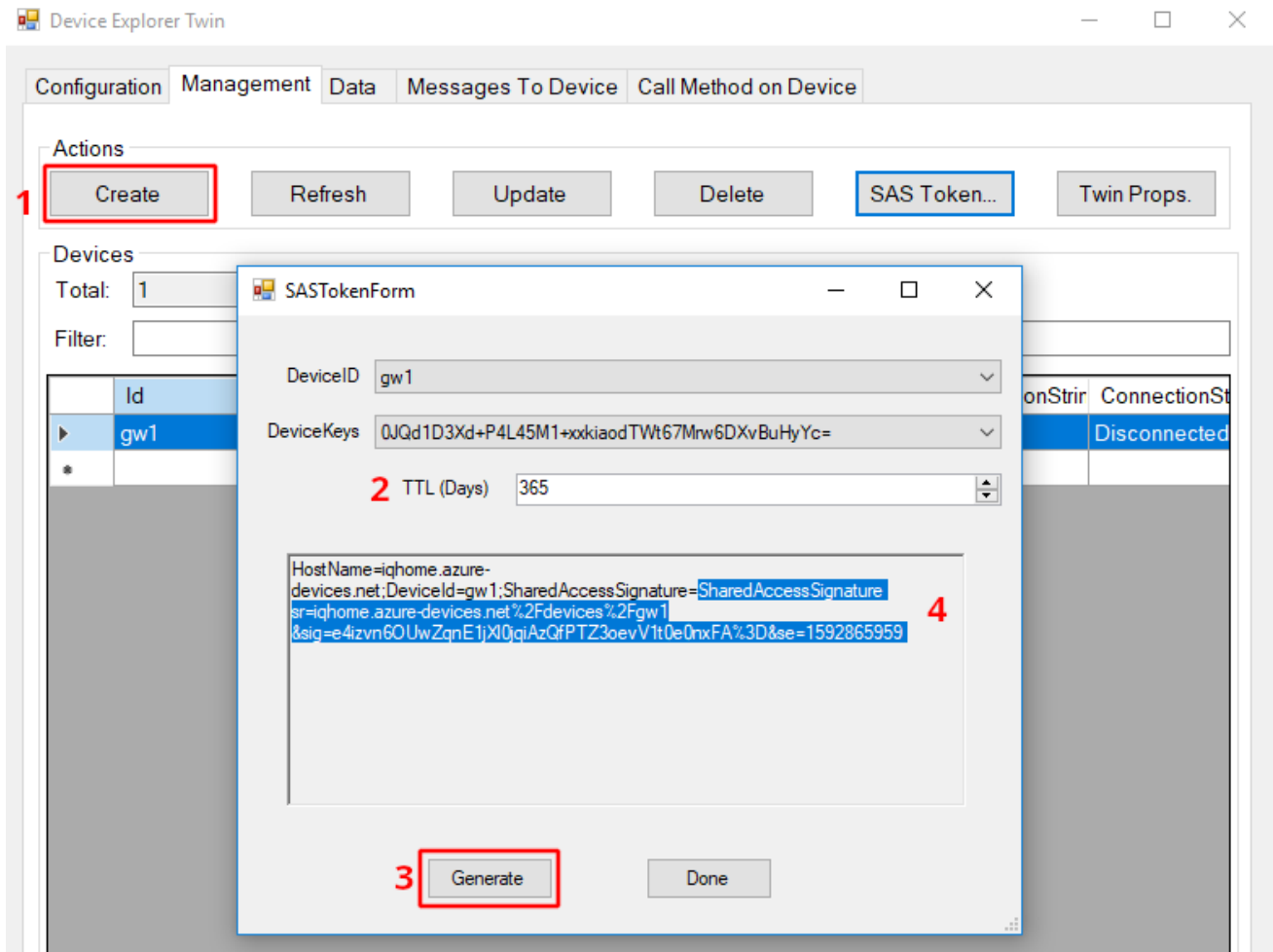
3.2 Create new device

1. Click on “Create” button on the Management tab
2. Set the name of the new device
3. Click on “Create” button in the popup window



3.3 Create SAS token

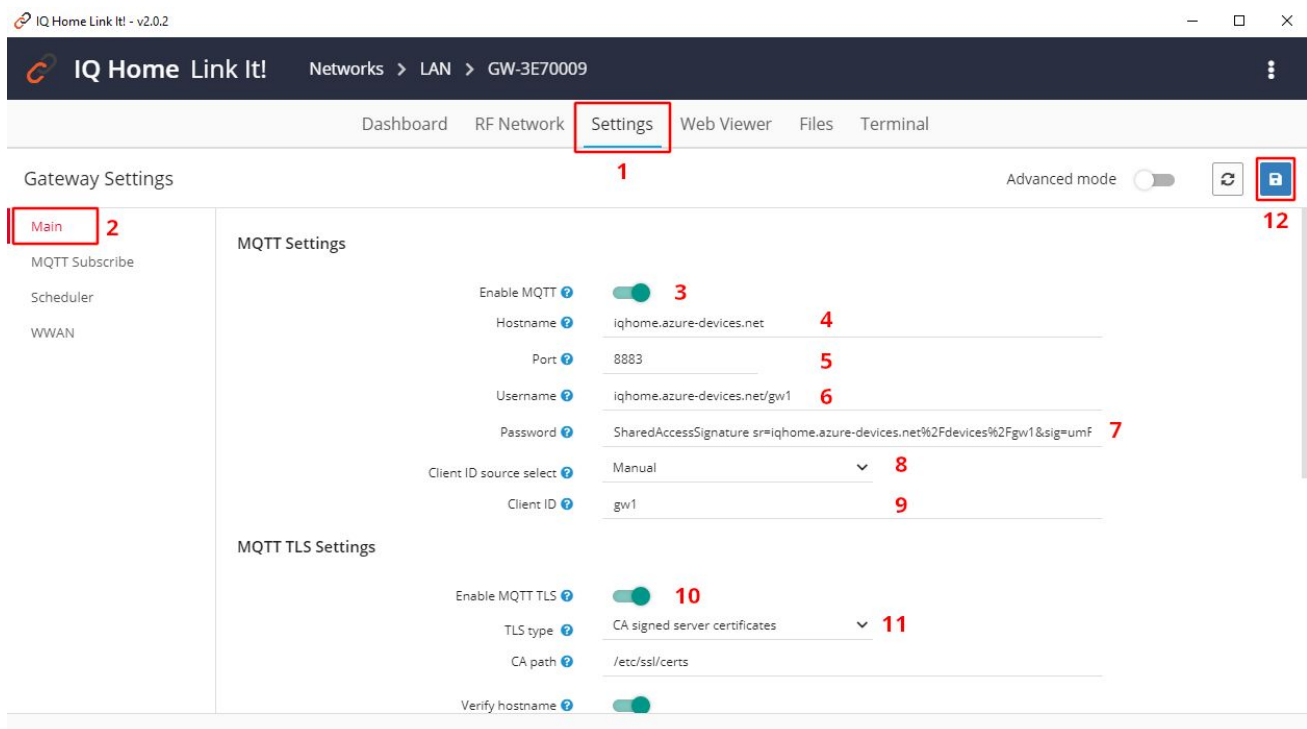
1. Click on “SAS Token...” button
2. Set TimeToLive (TTL) days of the token
3. Click on “Generate” button
4. Copy the required part for the client



4 Setup MQTT settings of the gateway with LinkIt!

To get started with LinkIt please check the Quick Start Guide or the tutorial videos.

1. Go to “Settings” tab
2. Go to “Main” settings section
3. Enable MQTT
4. Set hostname determined in [2.1. Update connection information](#)
5. Set Port to 8333
6. Set Username by hostname and the name of the device like HostName/DeviceID
7. Set Password by paste the copied part of the SAS token from [2.3. Create SAS token](#)
8. Select Manual Client ID Source
9. Set Client ID as DeviceID defined in [2.2. Create new device](#)
10. Enable MQTT TLS
11. Select “CA Signed server certificates”
12. Click on Save button and upload modified settings



After successfully saving the new configuration restart the gateway service.