

IOT Bridge for **everynet**

Delivering Seamless Azure IoT Integration



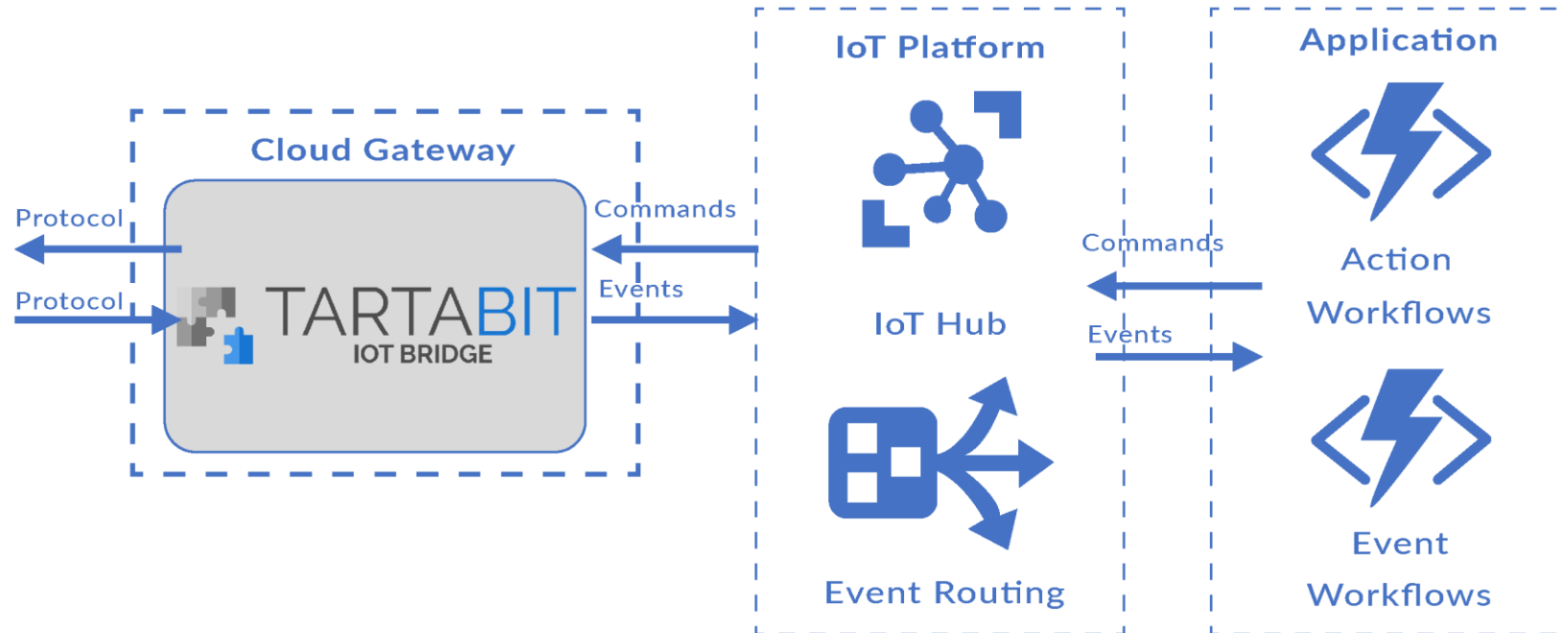


IoT Bridge

Accelerate Your Product Innovation and Delivery



Built by IoT developers, for IoT developers – the Tartabit IoT Bridge provides a cloud gateway service making integration between LPWAN devices and Microsoft Azure IoT cloud easy for you.



Solution Value Proposition



IoT Bridge Delivers Simplicity and Scale



Easy-to-Use,
Low-Code Approach

A Low-code approach to solving some of the most critical IoT deployment challenges. Implementing the easy-to-use solution templates, you can accomplish the most complex and valuable integration tasks – bringing IoT data into your Azure Application Environment quickly and easily.



Native IoT Data
Integration into Azure

IoT Bridge brings home critical data from the world's most used IoT Protocols and Networks. IoT Bridge manages the integration of devices operating on licensed Low Power Wide Area Networks (LPWAN) directly into your Azure IoT Hub, EventHub and CosmosDB.



Developer and
Business Friendly

TARTABIT IoT BRIDGE allows any developer to quickly integrate disparate LPWAN data into your Azure environment. Leverage the application developer skills you have on staff without the need to hire a team that understands LPWAN. Get to market quicker and spend more time focused on creating application value, not solving integration complexities.

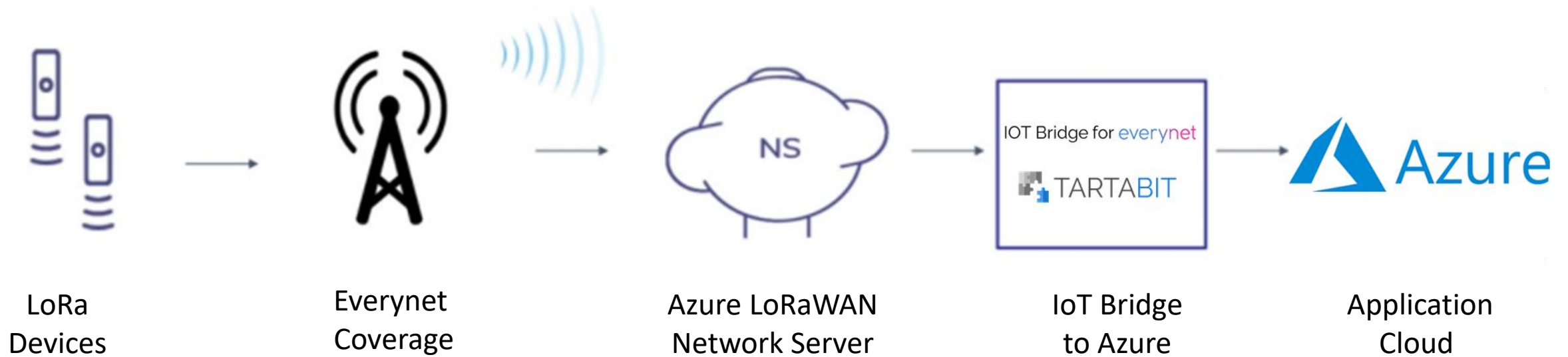


How it Works

Seamless End-to-End Integration



Azure LoRaWAN Architecture





Step-by-Step Solution Integration



Everynet Phase: Get Up and Running in Azure Marketplace Fast and Easy

Microsoft | Azure Marketplace Apps More

Products > Azure LoRaWAN Connectivity



Azure LoRaWAN Connectivity

Everynet

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Your single-source connectivity solution for LoRaWAN IoT

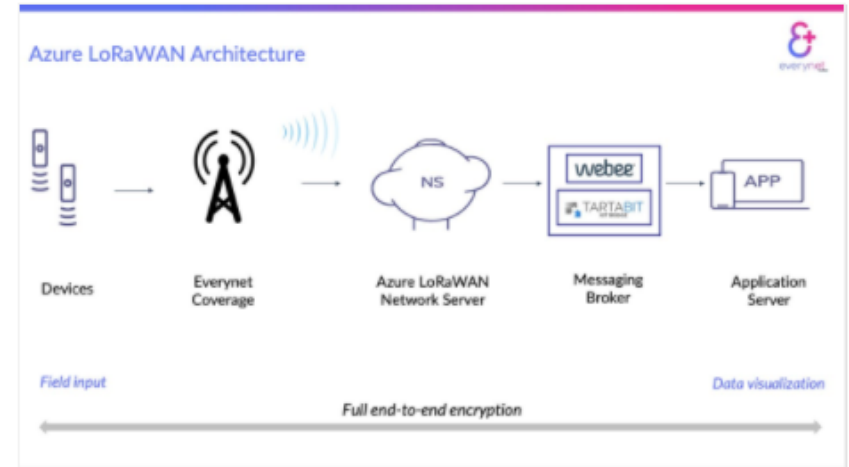
Everynet offers you the ability to deploy large-scale, commercial LoRaWAN solutions with ease.

If you need a fast, efficient and cost-effective way to collect and access data, look no further. Everynet's innovative network architecture provides IoT connectivity without the hassle or worry of managing infrastructure. Getting you to your business goals faster.

Everynet enables real-time delivery of sensor data to any cloud-based application. Our carefully curated ecosystem of LPWA solutions is the key to a fast and profitable network deployment. Our solutions support the needs of any industry, anywhere in the world – from freight and logistics to food service, smart cities and everything in between. Everynet enables you to be everywhere.

Low Risk. Lower Cost.

Our network provides IoT connectivity without the worry or hassle of managing infrastructure. And if that wasn't incentive enough, operating via LoRaWAN offers the low-cost access to real-time data.





Step 1:

Inside Microsoft Azure Marketplace, find and select “Azure LoRaWAN Connectivity”

The screenshot shows the Microsoft Azure Marketplace interface. At the top, the search bar contains the text "azure lorawan". Below the search bar, a dropdown menu displays search suggestions and results. The first result under the "Apps" section is "Azure LoRaWAN Connectivity" by Microsoft, which is highlighted with a red box. Other results include "MachineQ for LoRaWAN®", "LoRaWAN No-Code End to End Solution ...", "KPN Things provides seamless IOT data i...", and "Occupancy IoT Monitoring". Under the "Consulting services" section, there is a result for "IoT Azure Assessment: 5 days work session". The main content area below the search results shows several product cards, including "Infosys Cloud Data Validation Solution", "AvePoint Governance Automation Server", and "Apache Kafka® on Confluent Cloud™".



Step 2:

Click on "Contact Me"

Microsoft | Azure Marketplace More ▾ Search Marketplace 🔍 More ▾ ❤️ 😊 👤

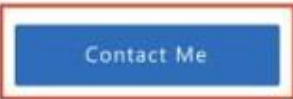
Products > Azure LoRaWAN Connectivity



Azure LoRaWAN Connectivity [Save to my list](#)

Everynet

Overview Plans Ratings + reviews



Your single-source connectivity solution for LoRaWAN IoT

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Trusted Partners. Quickest Time to Revenue.



Categories

Internet of Things
Networking

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Support
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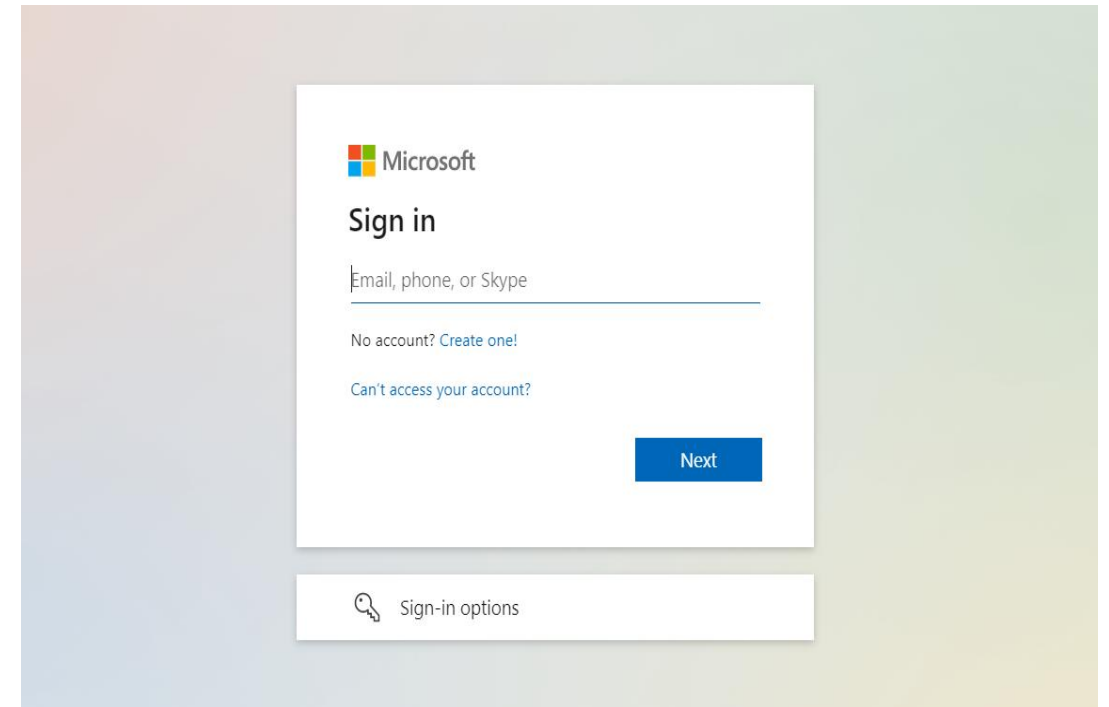
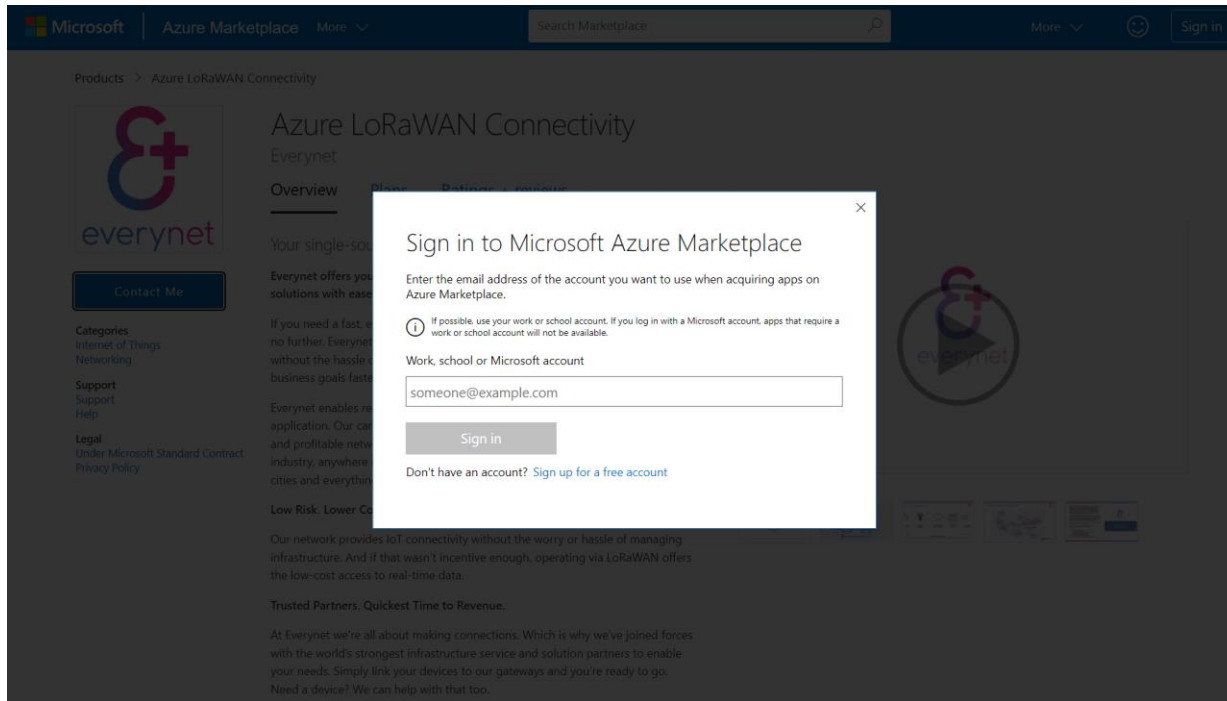
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Step 3:

Sign into your Microsoft account.



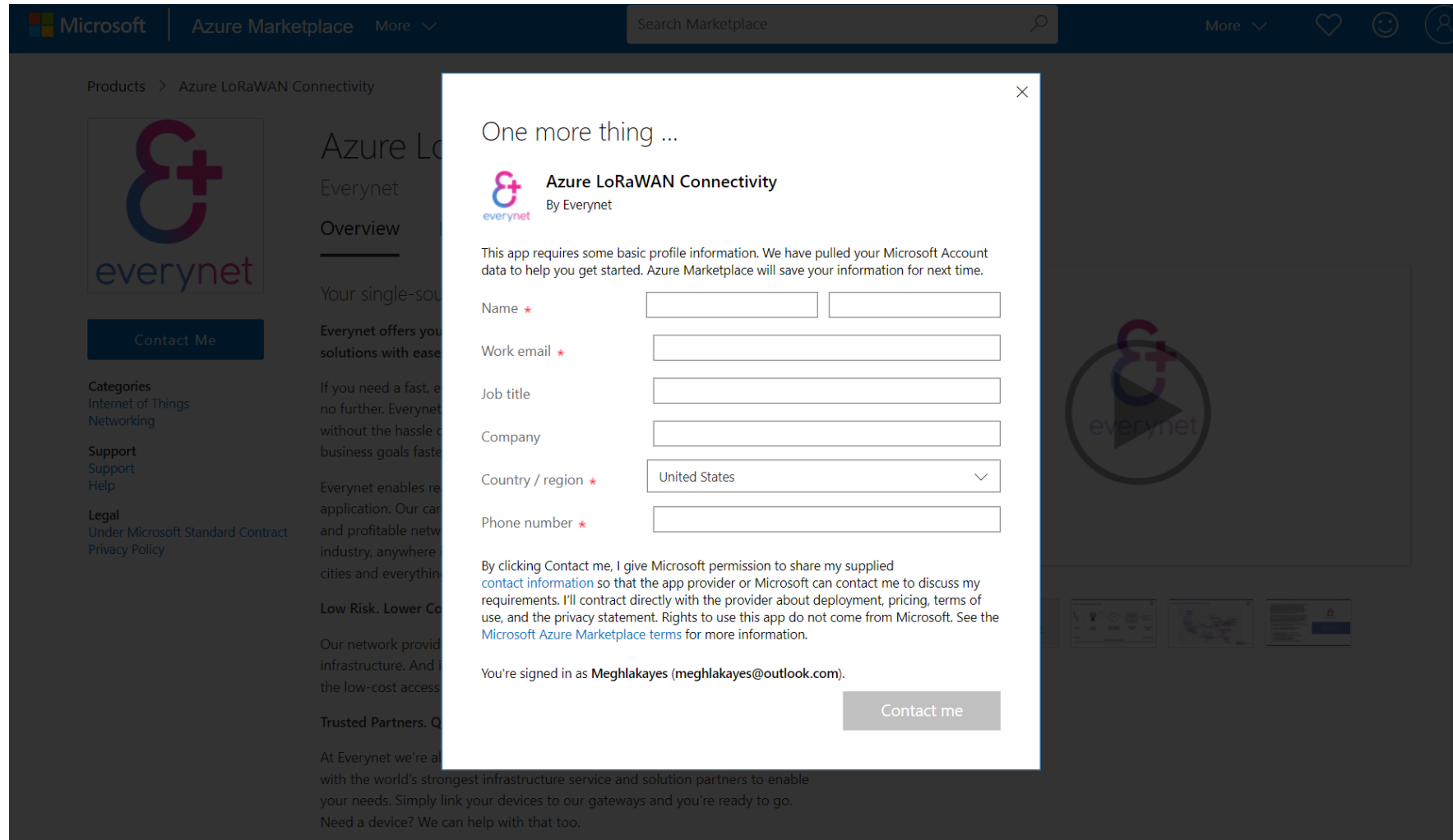
If you're not already signed into your Microsoft Account, you'll be prompted to do so.

You'll be taken to a separate page to sign-in to your account.



Step 4:

Select “contact me” and provide the requested information.



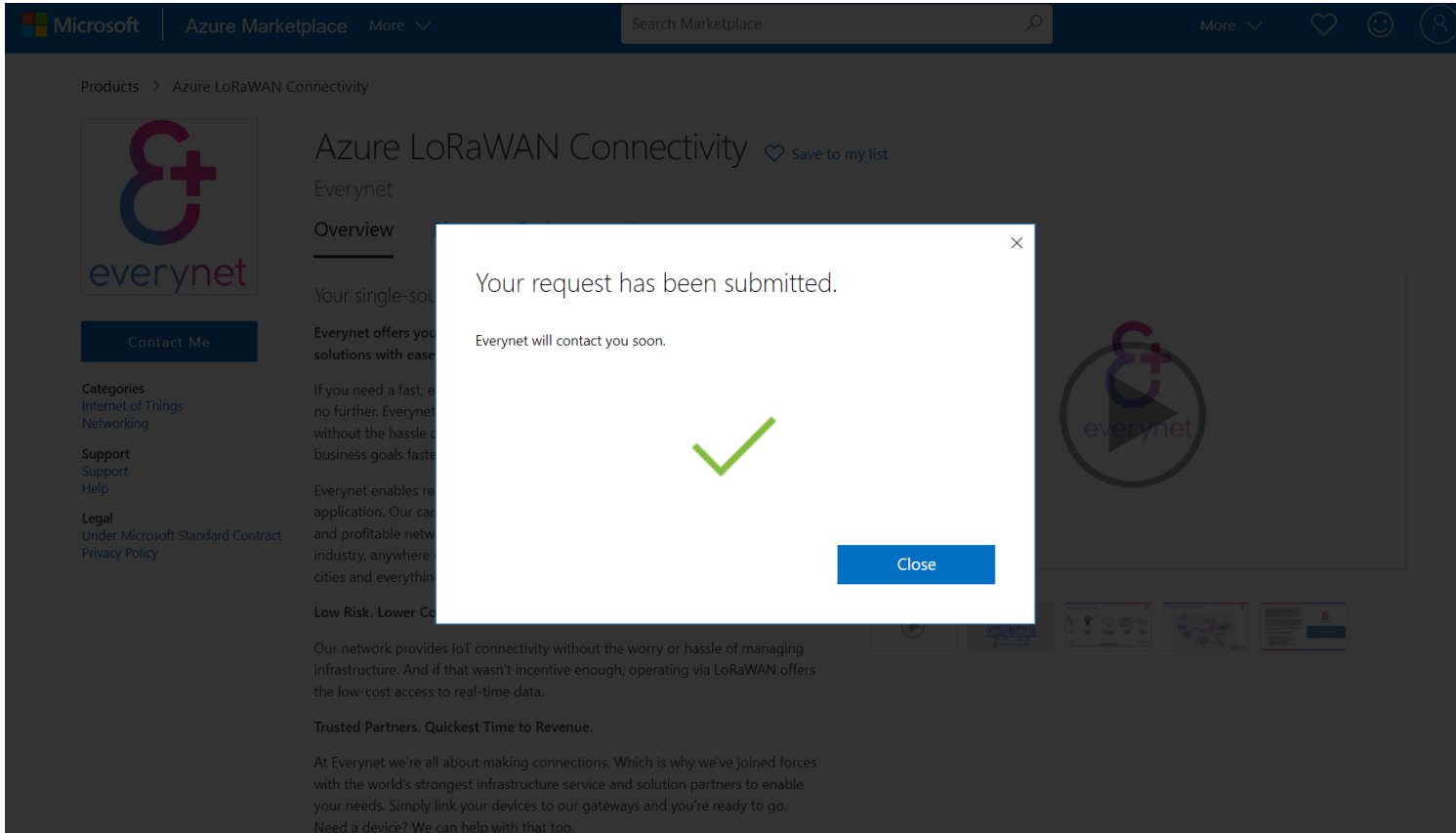
The screenshot shows the Azure Marketplace interface with a modal dialog open for 'Azure LoRaWAN Connectivity' by 'Everynet'. The dialog is titled 'One more thing ...' and contains the following elements:

- Title:** One more thing ...
- App Information:** Azure LoRaWAN Connectivity By Everynet
- Message:** This app requires some basic profile information. We have pulled your Microsoft Account data to help you get started. Azure Marketplace will save your information for next time.
- Form Fields:**
 - Name *
 - Work email *
 - Job title
 - Company
 - Country / region * (Dropdown menu showing 'United States')
 - Phone number *
- Disclaimer:** By clicking Contact me, I give Microsoft permission to share my supplied contact information so that the app provider or Microsoft can contact me to discuss my requirements. I'll contract directly with the provider about deployment, pricing, terms of use, and the privacy statement. Rights to use this app do not come from Microsoft. See the Microsoft Azure Marketplace terms for more information.
- User Info:** You're signed in as Meghlakayes (meghlakayes@outlook.com).
- Action:** Contact me button.



Step 5:

Standby to be connected to the Everynet server.



Once you've provided the necessary information, you'll receive the following confirmation. Then simply standby. An Everynet representative will contact you within one business day to configure your account.



Step 6:

Subscribe to the IoT Bridge for Everynet



Azure Marketplace Apps

Search Marketplace

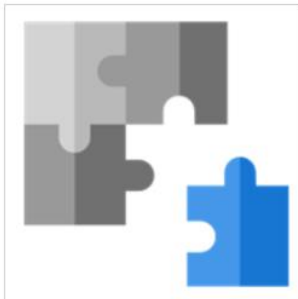


More



Sign in

Products > IoT Bridge for Everynet



IoT Bridge for Everynet

Tartabit, LLC.

★★★★★ (0) Write a review

Free trial

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GET IT NOW

Pricing information
Starting at \$100.00/month

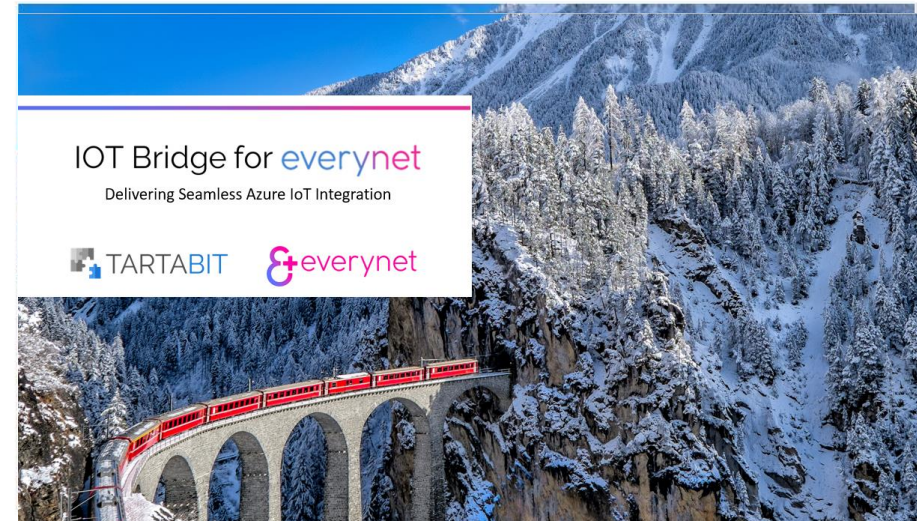
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Integrate Everynet LoRaWAN connected devices to Azure IoT in minutes.

The **Tartabit IoT Bridge** provides rapid integration between low-power wide area network (LPWAN) devices and the Microsoft Azure ecosystem. The IoT Bridge supports connecting cellular devices via LightweightM2M (LWM2M) and CoAP. Additionally, it supports numerous unlicensed wireless technology providers such as LORA and Sigfox. On the Azure side, the IoT Bridge supports integrating to Azure IoT Hub, Azure Event Hub, and Azure CosmosDB to provide several bi-directional options depending on your use case. This is accomplished with a low/no-code environment to enable rapid deployment of production grade IoT solutions without needing to host custom developed servers and





Step 7:

Import the Everynet Quickstart template

TARTABIT IOT BRIDGE

Search

ROOT

- Dashboard
- Log viewer
- Track (preview)
- Admin

Everynet quickstart

Simple configuration of the Everynet LORA service, no decoders will be imported.

Pre-requisites

- Everynet server with correctly configured application profile

IMPORT

Browan object locator decoder

Decoder for Browan Object Locator devices.

Pre-requisites

- LORA to Microsoft Azure IoT template

IMPORT

Laird sensor decoder

Decoder for Laird LORA sensors.

Pre-requisites

- LORA to Microsoft Azure IoT template

IMPORT

RAK7200 sensor decoder

Decoder for RAK7200 LORA sensors.

Pre-requisites

- LORA to Microsoft Azure IoT template

IMPORT

RAK7201 sensor decoder

Decoder for RAK7201 LORA sensors.

Pre-requisites

- LORA to Microsoft Azure IoT template

IMPORT

Tektelic agriculture decoder

Decoder for Tektelic agriculture sensor devices.

Pre-requisites

- LORA to Microsoft Azure IoT template

IMPORT

LORA to Azure IoT Hub

Basic framework for LORA to Azure IoT Hub.

Pre-requisites

- IoT Hub and service account connection string
- LORA Network Server template imported

IMPORT



Step 8:

Create the Everynet Filter

Search 12 / 12

Devices Filters Connections Users Keys

Filter ID

- 61d5c7024cb435a755a34c56 (1 SUBS)
 TagoIO
- 61d31e084cb435a7558928e6 (2 SUBS)
 OEM
- 61c1daaaf38f44112db49448 (7 SUBS)
 Paul Reddick Demo
- 61aa90e9e21473de78ec0fa5 (1 SUBS)
 My Devices
- 61aa8b70701bd7ac372cc441 (2 SUBS)
 The Things Network Filter
- 61aa8698e21473de78ebc552 (1 SUBS)
HiveMQTT
- 61a53e07701bd7ac3706bf27 (1 SUBS)

Create filter

Description

Enabled ON OFF

Filter by

Device tags
New

Device EUIs
New

Application EUIs
New

Gateways
New

Message types

join_request uplink downlink downlink_request error warning info location status_response

Options

Duplicates Radio data LoRa data Include tags

Live stream

Clean 25 50 100 NO LIMIT

12:20:35.725 42ab 0025ca0a0000c152 17ef6de4 f9c60ecea3adc6bd 5

12:20:35.235 42ab 0025ca0a0000c152 17ef6de4 f9c60ecea3adc6bd



Step 9:

Create the Everynet Connector

Search 20 / 20

Devices Filters Connections Users Keys

▼ Connection ID

HTTP	09:26:34	61dd939a71eab9f437628b73
MQTT	Wed 16:32	61d60e8471eab9f4375c10e1
HTTP	Wed 11:28	61d5c74b205385edd986f02d
HTTP	03-01-2022	61d31e89205385edd983f04c
HTTP	23-12-2021	61c48838205385edd974ba50
MQTT	22-12-2021	61c3733471eab9f43748d344
HTTP	22-12-2021	61c34632205385edd97387d2
HTTP	21-12-2021	61c1dbb9205385edd971d84a

Create connection

59d4e5d93fa1d900050a894a MQTT	d5759dfbc07d308eba25eb33 HTTP v2
----------------------------------	--

Parameters

Filter
592c68ed53d67067b3041f5a

Application URL
https://bridge.tartabit.com/webhook

Description (optional)

Authorization header (optional)
Basic YWxhZGRpbjpvYVuc2VzYW1l



Step 10:

Live data in IoT Hub!

Azure IoT Explorer (preview)

Notifications

Settings

[Home](#) > [tartabit-demo](#) > [Devices](#) > 0025ca0a0000c152 > Device twin



Device identity

Device twin

Telemetry

Direct method

Cloud-to-device message

Module identity

IoT Plug and Play compon...

Refresh Save

Device twin ⓘ

```

1 {
2   "deviceId": "0025ca0a0000c152",
3   "etag": "AAAAAAAAAAE=",
4   "deviceEtag": "NzkxNjcyMjQz",
5   "status": "enabled",
6   "statusUpdateTime": "0001-01-01T00:00:00Z",
7   "connectionState": "Connected",
8   "lastActivityTime": "2022-01-11T18:24:40.7549059Z",
9   "cloudToDeviceMessageCount": 0,
10  "authenticationType": "sas",
11  "x509Thumbprint": {
12    "primaryThumbprint": null,
13    "secondaryThumbprint": null
14  },
15  "modelId": "",
16  "version": 9,
17  "properties": {
18    "desired": {
19      "$metadata": {
20        "$lastUpdated": "2022-01-11T18:19:37.2819823Z"
21      },
22      "$version": 1
23    },
24    "reported": {
25      "battery": 0,
26      "endpointKey": "0025ca0a0000c152",
27      "humidity": 37.66,
28      "key": "0025ca0a0000c152",
29      "name": "0025ca0a0000c152",
30      "temperature": 20.86,
31      "ts": "2022-01-11T18:27:45.266824318Z",
32      "$metadata": {
33        "$lastUpdated": "2022-01-11T18:27:45.283823Z",
34        "battery": f

```



TARTABIT
IOT BRIDGE

&

everynet

Delivering Seamless Azure IoT
Integration to Speed Your Business