

Steps to create **DeviceType** on Artik cloud

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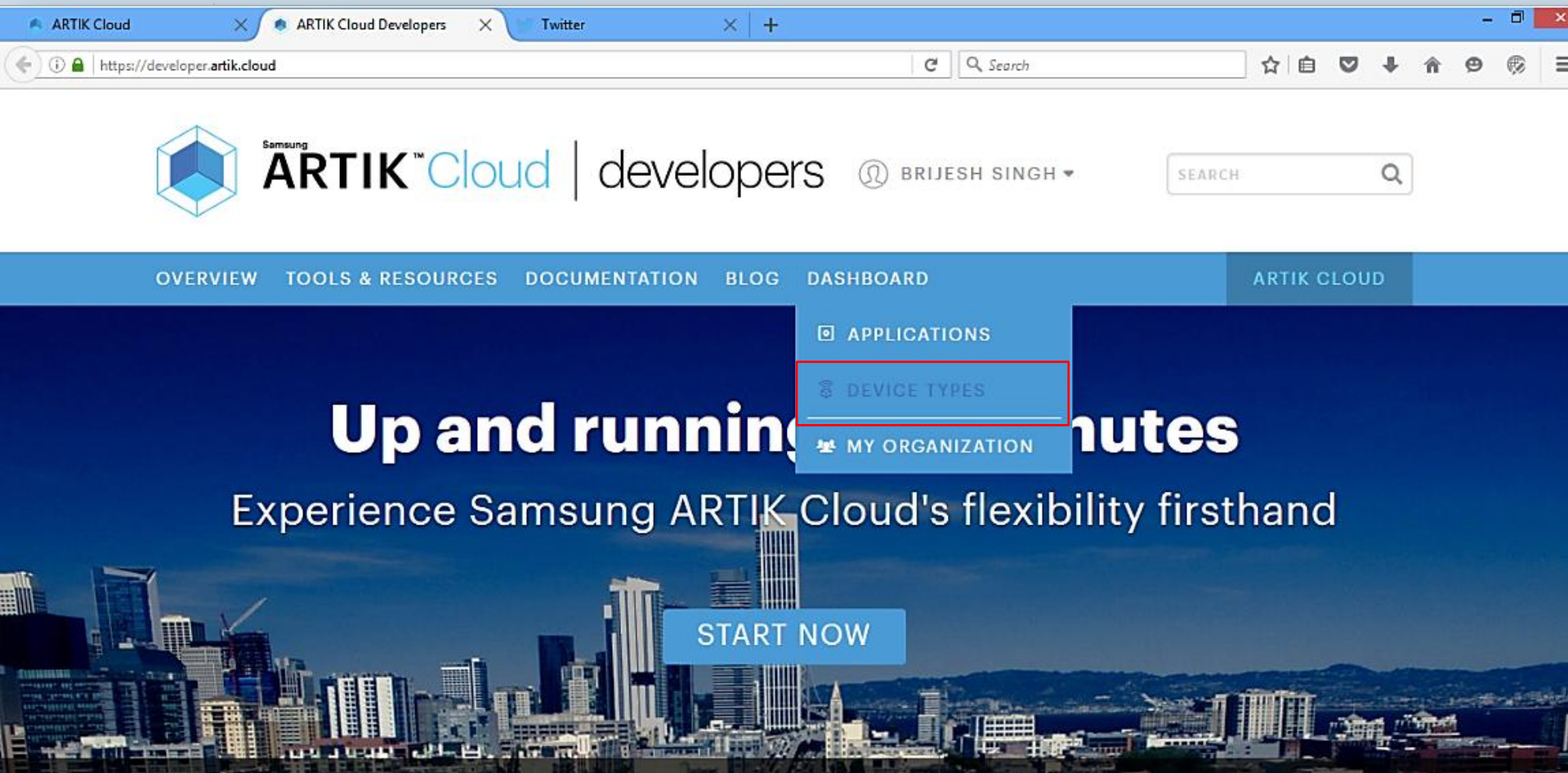
ARTIK CLOUD

Up and running in 4 minutes

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START NOW

Click on Device types under Dashboard



The image is a screenshot of a web browser displaying the ARTIK Cloud Developers dashboard. The browser's address bar shows the URL `https://developer.artik.cloud`. The page header includes the ARTIK Cloud logo, the text "ARTIK™ Cloud | developers", a user profile for "BRIJESH SINGH", and a search bar. A navigation menu is located below the header, with "DASHBOARD" selected. A dropdown menu is open under "DASHBOARD", showing three options: "APPLICATIONS", "DEVICE TYPES" (which is highlighted with a red rectangle), and "MY ORGANIZATION". The main content area features a large blue banner with the text "Up and running in minutes" and "Experience Samsung ARTIK Cloud's flexibility firsthand". A "START NOW" button is positioned at the bottom of the banner. The background of the banner shows a city skyline.

ARTIK Cloud

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BRIJESH SINGH

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APPLICATIONS

DEVICE TYPES

MY ORGANIZATION

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ARTIK CLOUD

ARTIK Cloud is open and device agnostic

Devices can upload data to ARTIK Cloud in any format that works for them.

- Any data, any message, sent and received in real-time
- Develop private device types with security built in
- Share device type capabilities with other developers

Add your device type

Tell ARTIK Cloud what your device type is called then start building a Manifest to describe it further.

+ NEW DEVICE TYPE



New Device Type



DEVICE DISPLAY NAME

todayTempDevice

49

UNIQUE NAME

todayTempData

242



I accept the ARTIK Cloud Platform [Terms of Service](#)

CREATE DEVICE TYPE

CANCEL

Add device display
and
It's unique name

Then click create

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DEVICE TYPES

[Overview](#)[todayTempDevice](#)[Manifest](#)[Device Info](#)

DOCUMENTATION

[Device Manifest](#)[Platform Basics](#)[Secure Your Devices](#)

<- Device created

Create a manifest for todayTempDevice

ARTIK Cloud is designed to communicate with any device regardless of how data is structured. The Manifest provides a way for you to describe your data, so that you can start sending data to ARTIK Cloud.

now create manifest->

[+ NEW MANIFEST](#)

New Manifest



DESCRIPTION

The field description is an important way for you to explain in more detail what this data is to other users.

[HIDE GUIDANCE](#)

DOCUMENTATION

[Device Manifest](#)

[Device Types in 1 Minute](#)

[Platform Basics](#)

todayTempDevice: Simple Manifest

[Switch to Advanced](#)

The active manifest describes the capabilities of your device type to other users and devices on the ARTIK Cloud platform. Use fields and actions to describe the data that this device type produces and accepts. [LEARN MORE »](#)

Device Fields

Describe fields for each piece of data produced by this device.

Device Actions

Describe actions that this device is capable of receiving.

Activate Manifest

Publish this device manifest on the ARTIK Cloud platform.

FIELD NAME

[BROWSE STANDARD FIELDS»](#)

25

☐ Is Collection *(if the field contains an array)*

DATA TYPE

UNIT OF MEASUREMENT

[BROWSE »](#)

DESCRIPTION

128

TAGS (COMMA SEPARATED)

SAVE

CANCEL

<- add field name,
data type and unit

[+ NEW FIELD](#) [+ NEW FIELD GROUP](#)

[NEXT: DEVICE ACTIONS](#)

CANCEL

New Manifest

todayTempDevice: Simple Manifest

[Switch to Advanced](#)

The active manifest describes the capabilities of your device type to other users and devices on the ARTIK Cloud platform. Use fields and actions to describe the data that this device type produces and accepts. [LEARN MORE »](#)

ACTION NAME

Choose a name that best describes what this Action is capable of doing. For consistency with the ARTIK Cloud platform, use a Standard Action if it matches the capability of your Action. To receive actions, your device type must be connected to ARTIK Cloud via WebSockets.

[HIDE GUIDANCE](#)

Device Fields

Describe fields for each piece of data produced by this device.

Device Actions

Describe actions that this device is capable of receiving.

Activate Manifest

Publish this device manifest on the ARTIK Cloud platform.

ACTION

[BROWSE STANDARD ACTIONS »](#)

DESCRIPTION

SAVE

CANCEL

[+ NEW ACTION](#)

NEXT: ACTIVATE MANIFEST

CANCEL

Action we don't need
So keep blank

Click next

[DOCUMENTATION](#)

New Manifest

todayTempDevice: Simple Manifest

[Switch to Advanced](#)

The active manifest describes the capabilities of your device type to other users and devices on the ARTIK Cloud platform. Use fields and actions to describe the data that this device type produces and accepts. [LEARN MORE >](#)

Device Fields

Describe fields for each piece of data produced by this device.

Device Actions

Describe actions that this device is capable of receiving.

Activate Manifest

Publish this device manifest on the ARTIK Cloud platform.

Your manifest is ready to be activated and does not require approval before going live. Activating this manifest will not make your device type public.

Fields

currentTempVal

Double

°C

There are no device actions listed in this manifest



Click

ACTIVATE MANIFEST

CANCEL

DEVICE TYPES

Overview

todayTempDevice

Manifest

Device Info

Errors

DOCUMENTATION

Device Manifest

Platform Basics

Secure Your Devices



todayTempDevice

ID: d771d19fb1d42940c4e53ee284c3ec4867

UNIQUE NAME: todayTempData

Device Manifest v1 APPROVED

Device type is private

This device type is available only to you and your organization

CHANGE

Connected: 0 devices

Current plan is Hobbyist

Active since 22nd September, 2016

CHANGE

Daily quota per device: 150 messages

Maximum message size: 1024 bytes

of free devices included: Unlimited devices

Monthly cost per device: Free

Sep 16, 2016 to Sep 22, 2016

CONNECTED
APPS

0

DEVICES
CREATED

0

DEVICES
DELETED

0

MESSAGES
/HR

0

API CALLS
/HR

0

ERRORS
/HR

0

RAW
STORAGE

0

NORMALIZED
STORAGE

0

DEVICE TYPES

Overview

rainPredictDevice

Manifest

Device Info

todayTempDevice

DOCUMENTATION

Device Manifest

Platform Basics

Secure Your Devices



rainPredictDevice

ID: dt8c804555159f41e8a3b82bd7ad8fb36e

UNIQUE NAME: predictData

Similarly create another device type name and it's unique as shown marking

Create a manifest to start sending data

ARTIK Cloud is designed to communicate with any device regardless of how data is structured. The Manifest provides a way for you to describe your data

+ NEW MANIFEST



<- Add it's manifest

rainPredictDevice: Simple Manifest

[Switch to Advanced](#)

The active manifest describes the capabilities of your device type to other users and devices on the ARTIK Cloud platform. Use fields and actions to describe the data that this device type produces and accepts. [LEARN MORE »](#)

Device Fields

Describe fields for each piece of data produced by this device.

Device Actions

Describe actions that this device is capable of receiving.

Activate Manifest

Publish this device manifest on the ARTIK Cloud platform.

Field name and data types as shown

No unit and other things similar to previous one

FIELD NAME

rainPredictStatus

23

☐ Is Collection *(if the field contains an array)*

DATA TYPE

Boolean

UNIT OF MEASUREMENT [BROWSE »](#)

Type unit symbol

DESCRIPTION

128

TAGS (COMMA SEPARATED)

SAVE

CANCEL



DEVICE TYPES

Overview

rainPredictDevice

todayTempDevice

DOCUMENTATION

Device Manifest

Platform Basics

Secure Your Devices

Overview

+ NEW DEVICE TYPE



rainPredictDevice



EDIT DEVICETYPE... 0 ERRORS

CONNECTED APPS	DEVICES CREATED	MESSAGES /HR	API CALLS /HR	ERRORS /HR	USED STORAGE
0	0	0	0	0	0




todayTempDevice



EDIT DEVICETYPE... 0 ERRORS

CONNECTED APPS	DEVICES CREATED	MESSAGES /HR	API CALLS /HR	ERRORS /HR	USED STORAGE
0	0	0	0	0	0



Next you need to create device and defining rules

On <https://artik.cloud/>