Cloud Connectivity Out of the Box!

ST Hardware Building Blocks

Process Nucleo F4

Connect X-NUCLEO-IDW01M1

Sense X-Nucleo-IKS01A1

+

Pre-integrated ST cloud function packs

SDK

MQTT.ORG

TLS

=

Rapid cloud connectivity prototyping

Microsoft Azure

amazon web services

IBM Bluemix™

STSAFE AWS IoT Demo

3 in 1 IoT Cloud Demo

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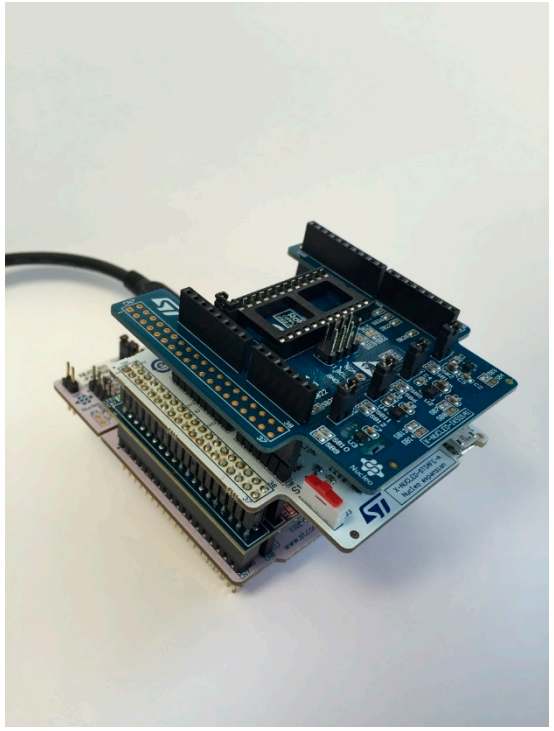
STSAFE AWS IoT Demo

STM32F401 + STSAFE-A100



- IoT authentication architecture providing highly secure AWS cloud connectivity.
- Adaptable to support additional cloud provider ecosystems.

Main features

- CC EAL5+ certified security.
- Handles TLS mutual authentication with AWS.
- Physically secure private key storage on the STSAFE-A100 device.
- ST sensor technology (Motion MEMS) data published to the AWS cloud for data analysis.
- Built on the powerful and flexible STM32Cube & STM32 ODE.

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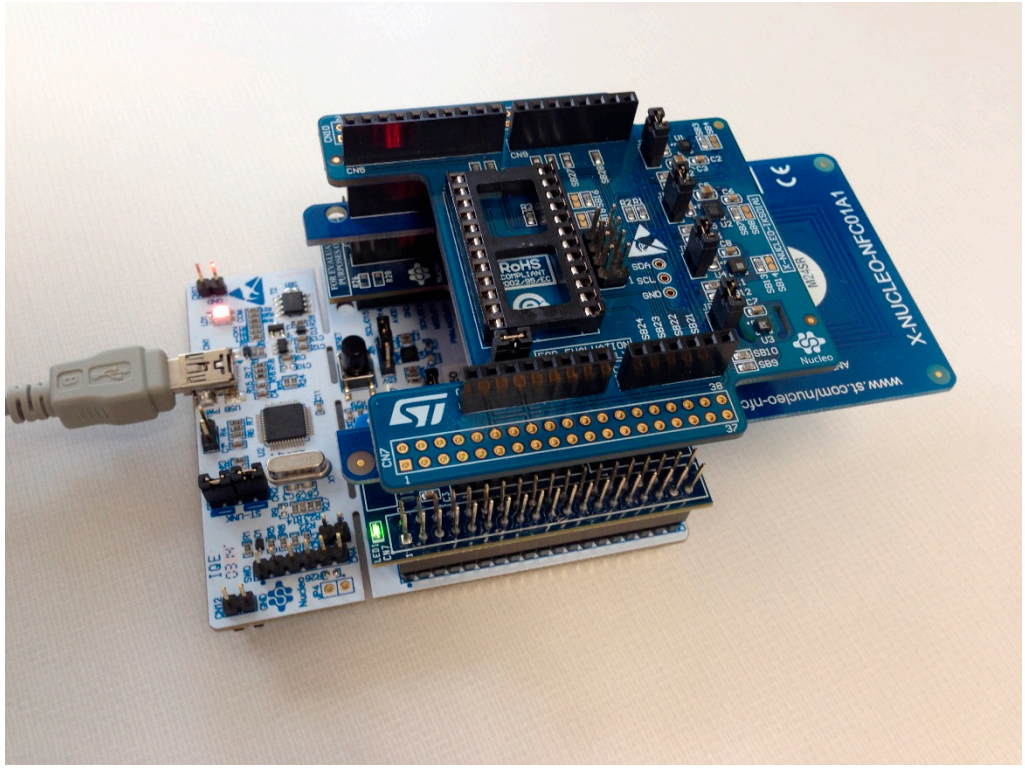
3 in 1 IoT Cloud Demo

STM32F401



- Multi cloud ready IoT connectivity solution.
- Supports Amazon AWS, IBM Bluemix and Microsoft Azure cloud platforms.

Main features

- Integrated cloud launcher allows user to choose desired cloud platform at runtime.
- Expandable to allow ST sensor technology (Motion MEMS) data to be published to the cloud for data analysis.

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