Cloud Service Connectors

ASAVIE \ SD IoT

Asavie SD IoT is a secure cellular connectivity offering, that simplifies access to cloud services of AWS, Azure and Google. Developers and cloud architects get a secure isolated network in which they can programmatically manage their device connectivity.

Asavie SD IoT provides developers and enterprises with a secure network "off the public internet", in which cellular devices can seamlessly access AWS IoT Core, Azure IoT Hub and/or GPC IoT Core, free from cyber threat.

With Asavie SD IoT cloud service connectors, developers can automate the creation of security certificates which are then stored as part of the Asavie SD IoT service.

The credentials are stored in a dedicated private network vault as part of a key management service. At this time the cloud assigned credentials get chained to the SIM card.

Furthermore, the private network supports a proxy for MQTT to MQTTS. Which enables a standard protocol approach when connecting to all clouds.

Asavie SD IoT eliminates the need to load unique certificate credentials per device, which helps to minimize the software and development effort required on the IoT cellular edge when connecting to the cloud.
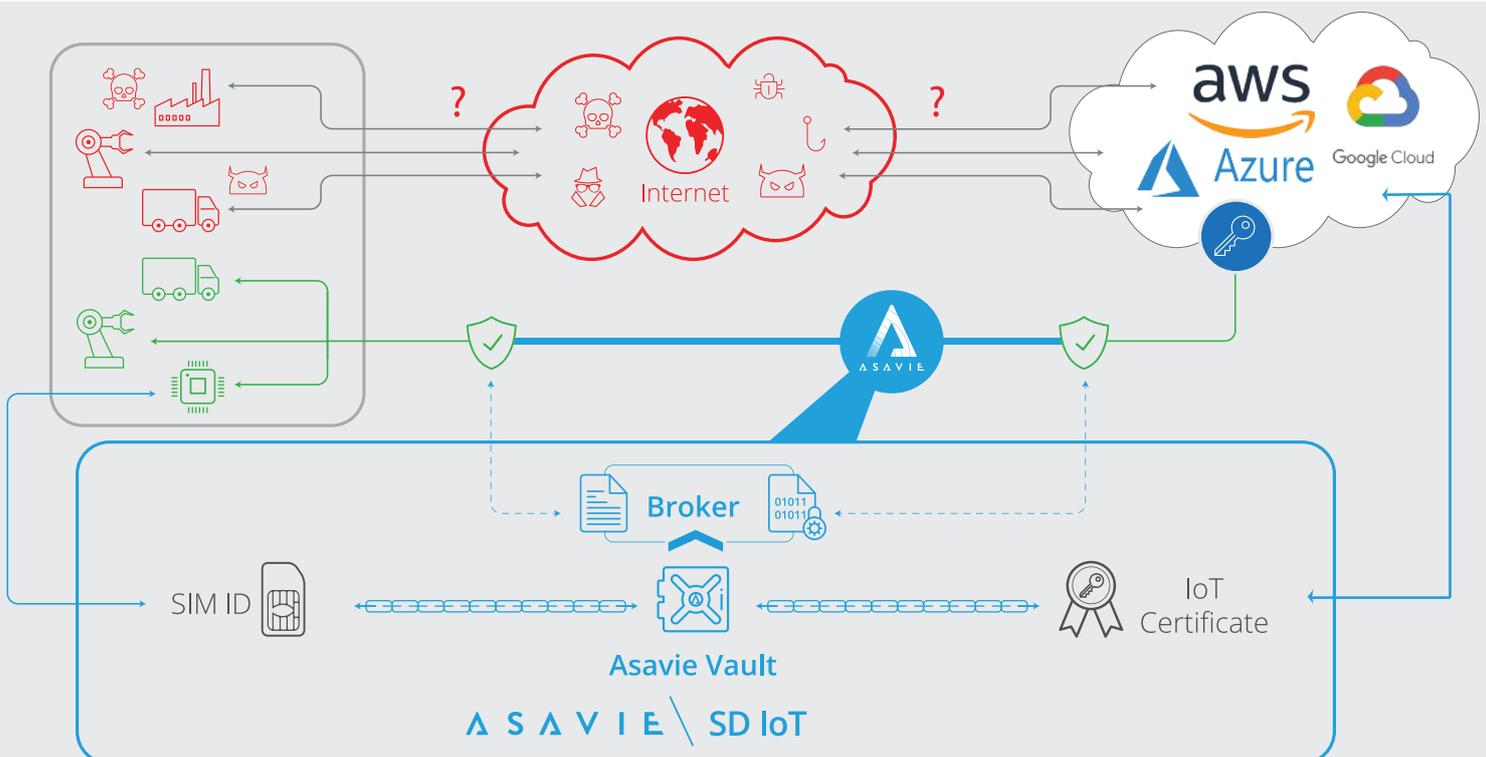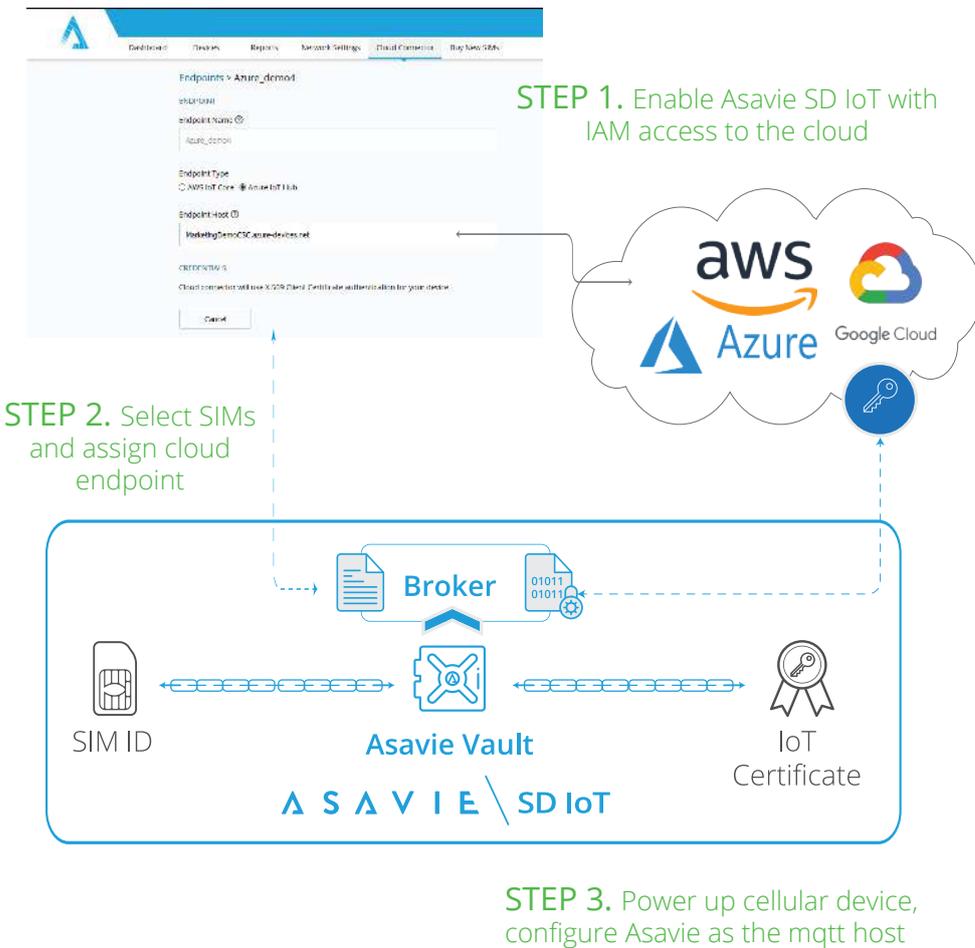

Figure 1: Asavie SD IoT cloud service connectors, securing MQTT applications to the cloud

Asavie SD IoT enables developers and enterprise with an agile environment in which both IT and OT can manage scaled IoT deployments with ease

Scale cloud connected IoT deployments in 3 simple steps:

STEP 1. Enable Asavie SD IoT with IAM access to the cloud

aws
Azure
Google Cloud

STEP 2. Select SIMs and assign cloud endpoint

Broker
01011
01011

SIM ID

Asavie Vault

ASAVIE \ SD IoT

IoT Certificate

STEP 3. Power up cellular device, configure Asavie as the mqtt host

Key Management Service
Programmable cloud cert chain, with a secure vault KMS for device identity and x.509 certificates

Standard approach
Migrate between clouds without the need to update software on the device edge

MQTT to MQTTS
No messing around with SIM toolkits or modem software, simply set the MQTT host as - mqtt.asavie.network

Visibility and Control
Get visibility of every byte of data that your device sends. Keep costs low, by blocking unwanted data.

Agile Operations
Validate devices in real network environments, move to production operations with no device re-configuration/software updates.

Lifetime Management
Bi-directional network, enabling ease of access for device management and log collection

Get a Grip
Encryption costs compute & power, move the burden off the IoT device and into the network

Gear up
Secure API integration for real-time visibility and control of network and device connectivity

Get to the point
Renew an entire fleet of device credentials with no impact, change management done in seconds not days

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Want to learn more?
email us at **support@asavie.com**