# INSIDE SECURE FLEXIBLE SECURE PROVISIONING

**inside secure**

## Protect your device Secrets throughout Manufacturing Process

**Inside Secure revolutionizes secure provisioning by offering the simplest secure way of injecting secret identity data to a device.**
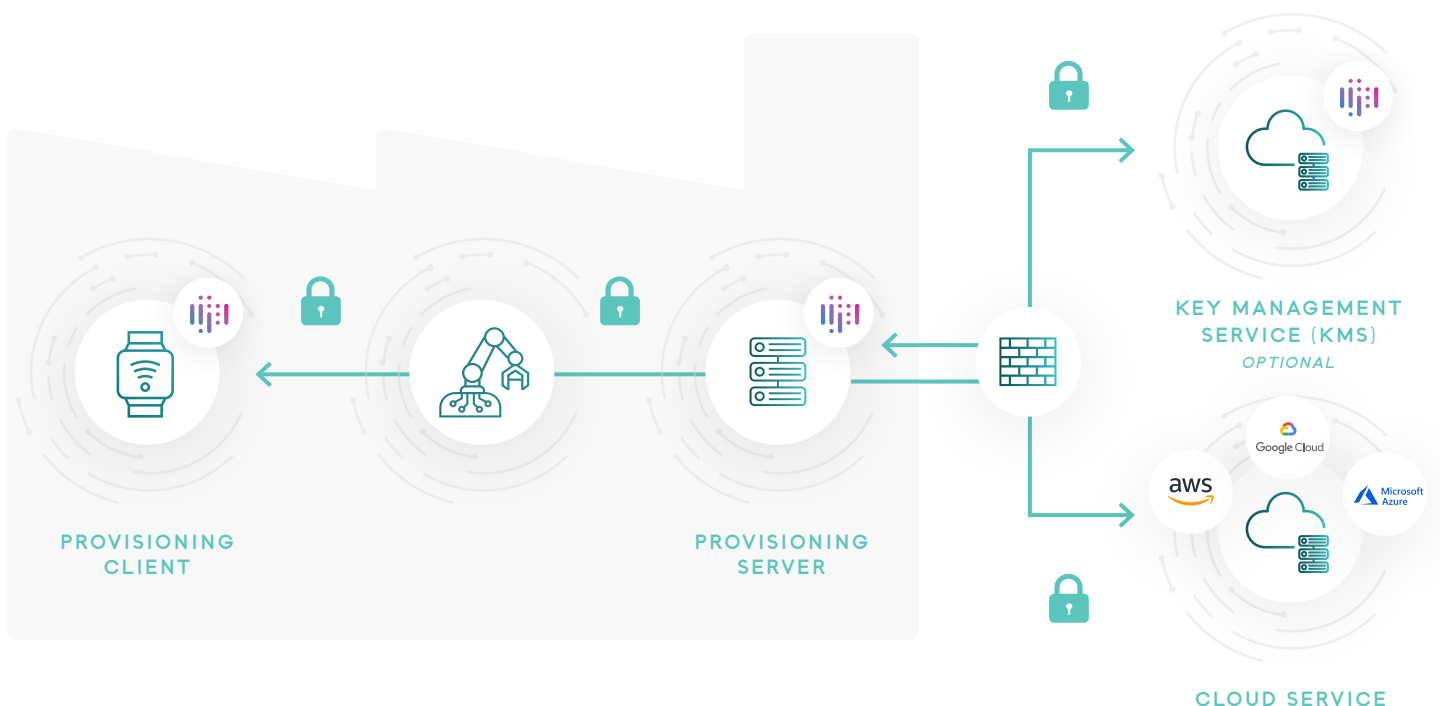
Many of the connected devices are manufactured by independent manufacturing companies. At manufacturing, these devices receive their identity and are provisioned with the keys it will rely on, to establish trust with the user and the service it connects to. But devices tend to be more vulnerable at the manufacturing stage because their security and trust has not yet been established. **Protecting this stage, where devices receive their identify and keys, is crucial for ensuring future secure operation of the device.**
Device makers can secure the manufacturing lines, however this can be difficult and expensive because they often do not own the manufacturing line and have limited control over the facility and the manufacturing employees.

This leads to many device makers who decide to skip secure provisioning, **leaving their devices and users exposed to attacks and privacy breaches.**

**Securing the manufacturing line is not needed anymore.** The solution does not rely on the security of the manufacturing site or its employees. **It provides a secure provisioning and control from the device maker operation to the device manufactured** in the remote site. **Keys are secured all the way to the device**, and are never exposed to manufacturing equipment, network or employees.

With Inside secure solution, **device makers can also remotely monitor the manufacturing process and even control it,** without setting foot at the manufacturing site. It simplifies provisioning and make it affordable to all device makers. **The client environment can be further secured through the application of secure boot, code protection and WhiteBox technologies.**



PROVISIONING CLIENT

PROVISIONING SERVER

KEY MANAGEMENT SERVICE (KMS) *OPTIONAL*

Google Cloud
aws
Microsoft Azure

CLOUD SERVICE

## Features & Benefits

- **Cost effective** to meet your budgetary needs (light configuration, lowmaintenance)

- **Flexible provisioning** to meet your device specific needs (single or two-stage provisioning)

- Over **425 millions devices** provisioned successfully

- Over **75 licensed customers**, from chipset makers and OEMs, to service providers

- **The world's first** independent provisioning service

# Flexible Secure Provisioning Components

### Key Management Service (KMS) – Remote

- Optional component
- Allows remote management of Provisioning Servers at one or more sites
- Dynamically set provisioning policies

### Provisioning Server – Manufacturing location

- Interfaces with Device Programmer over defined API
- Exports Provisioning logs
- Exports Provisioning records for import into external services

### Provisioning Client – On device

- Integrates with Device Application code
- Establishes secure channel with the provisioning server
- Creates device-specific fingerprint
- Processes provisioning commands from provisioning server
- Further strengthened by the application of secure boot, codeprotection and WhiteBox technologies

For further details on all of Inside's security solutions, visit www.insidesecure.com

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