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STM32Trust

STM32H5 Security Secure Manager - Part 1

STM32Trust TEE Secure Manager Introduction

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Agenda

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Introduction

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Hands-On: Debug Authentication

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4

Hands-On: SMAK
Develop and Debug

Introduction

OUR VISION

Be the reference for securing
GP MCUs & MPUs

OUR MISSION

Provide our developers the
means to build
Secure applications

OUR STRATEGY



Security Robustness &
Assurance

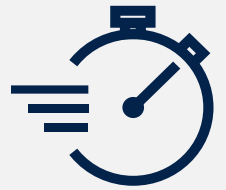


← Portfolio consistency →

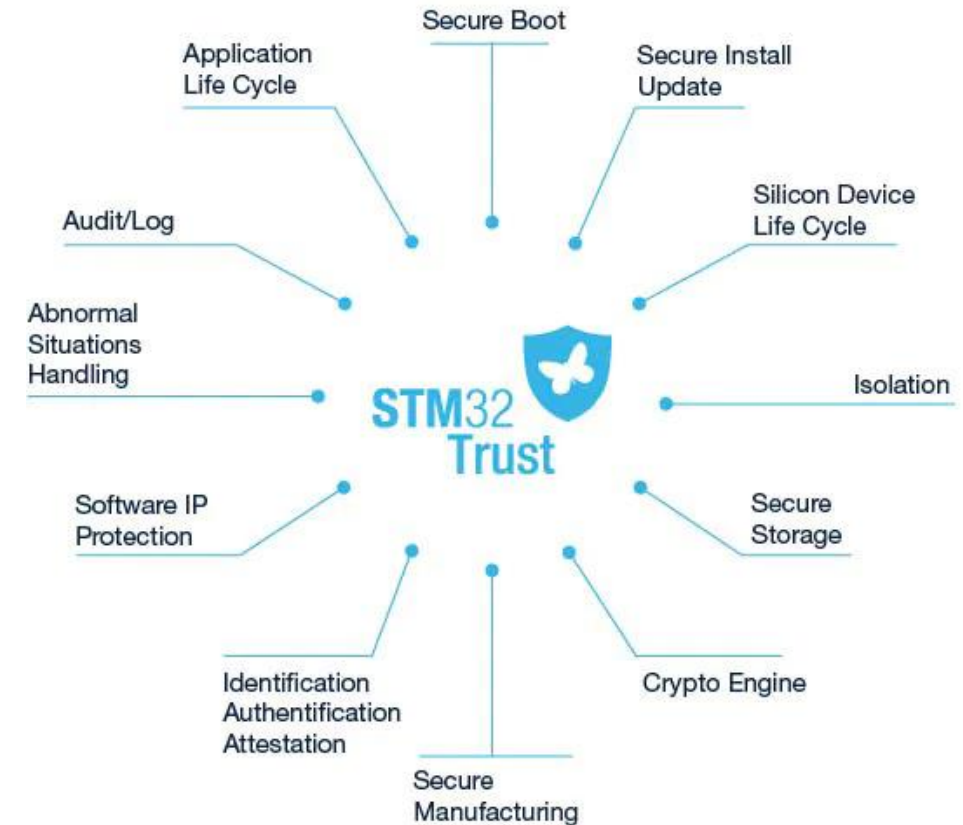
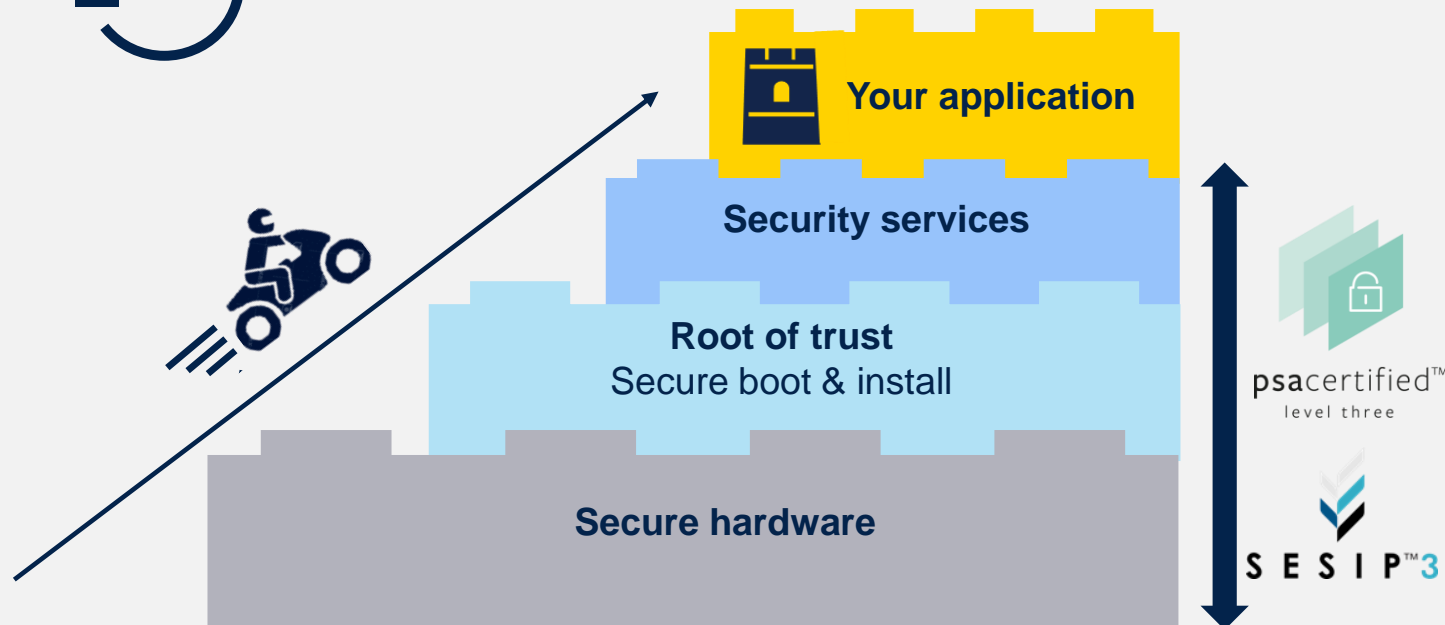


Scalable & Turn-key
solutions

Building Trust in Embedded Systems



Innovate faster!



STM32Trust TEE – Secure Manager

This is where we come in !

Secure Manager

A Trusted Execution Environment (TEE) integrating core security services

A turnkey set of security services developed, maintained and certified by ST

Scalable security to accelerate time to market

Secure Manager

A Trusted Execution Environment (TEE) integrating core security services

A simplified customer journey

Seamless cloud/server support

Supporting remote provisioning

Multi-tenant IP protection

The first MCU supplier to offer a certified and maintained TEE solution to customers

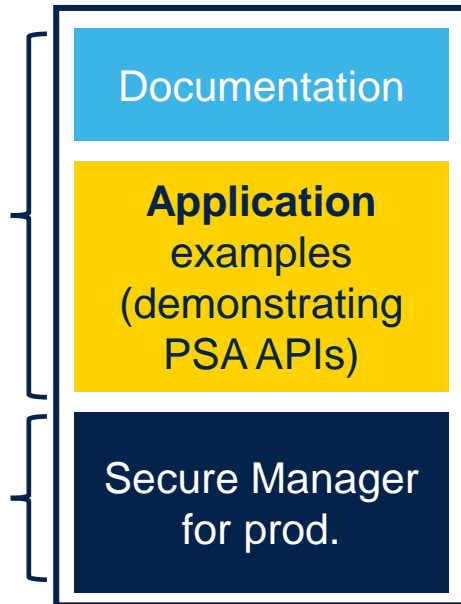
Simplify developer's experience

SMAK

To develop applications using security services

Downloaded from
[STM32CubeH5](#)
license [SLA0048](#)

Downloaded from
[STM32TRUSTEE-SM](#)
(encrypted binary)
license [SLA0044](#)

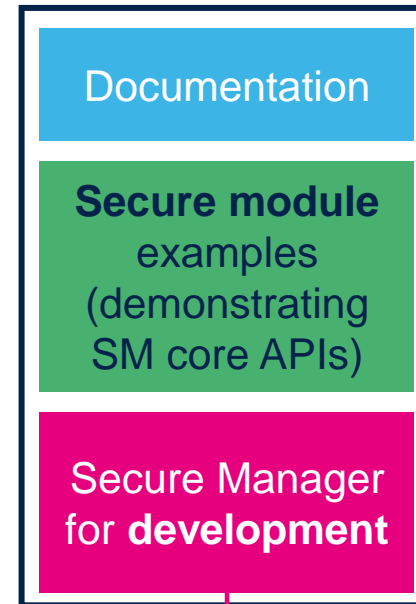


SMDK

To develop module inside TrustZone®

X-CUBE-SMDK-H5
Available on demand
(encrypted binary)

Signed LLA



Only for development

Secure Manager

Key messages

A background image of an industrial robotic arm in a factory setting, with orange and blue components and various cables.

A certified turnkey SoC set of security services

In-ST-factory pre-provisioned identities for Clouds & OEM servers

An exhaustive software IP protection solution

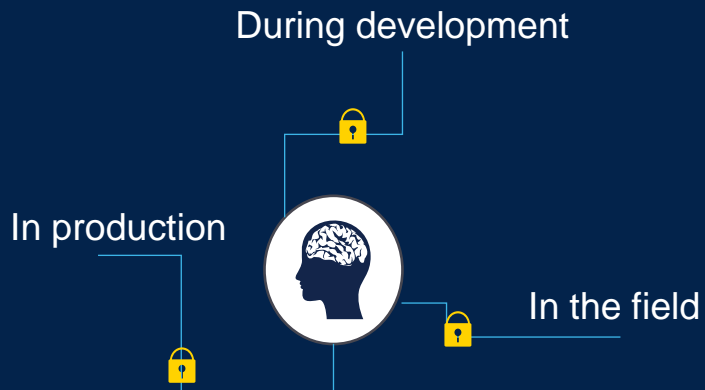
Enabling 3rd party keys & certificates Lifecycle management

“ If only

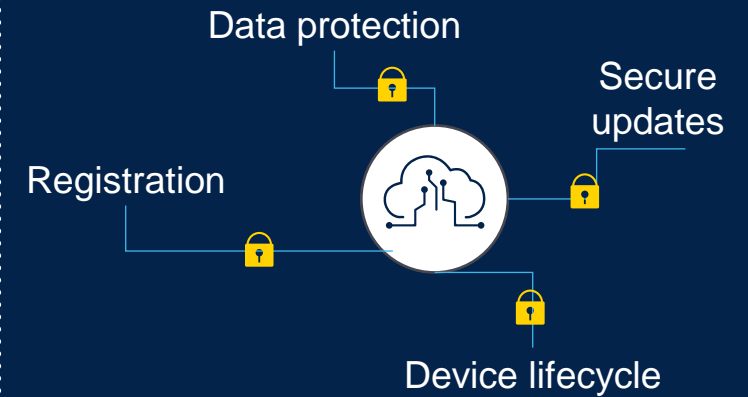
I could **easily** protect my critical **data & secrets** and those of my end customers



I could **easily** and **strongly** protect my **IPs**, and my partner's **IPs**



I could **easily** & **securely** connect to **Clouds & Servers** without Painful digital identities management

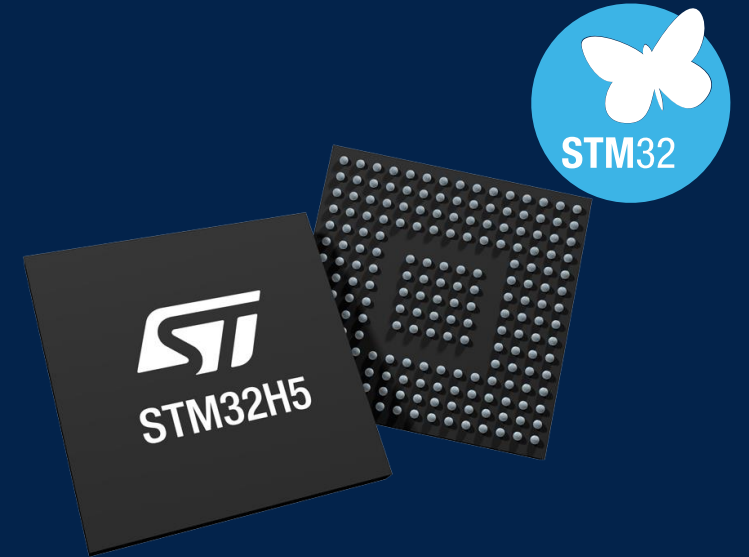


Scalable security

From **secure hardware**
to **full solution** owned &
maintained by ST

STM32
Trust  TEE

Secure Manager

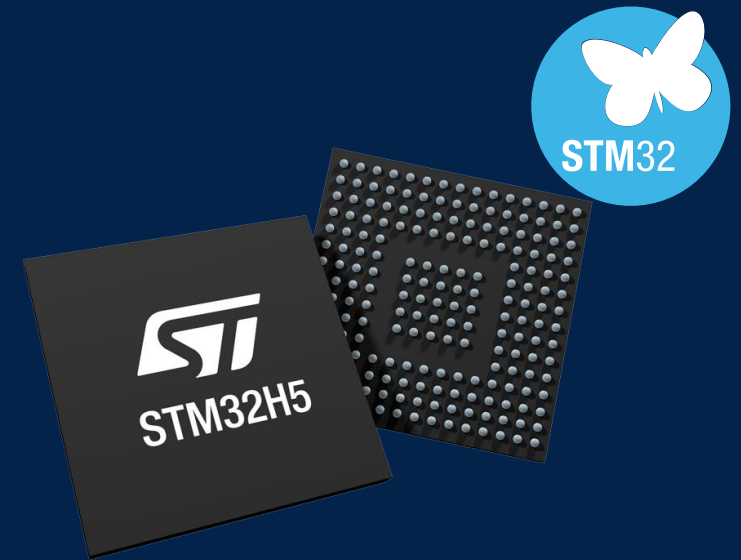
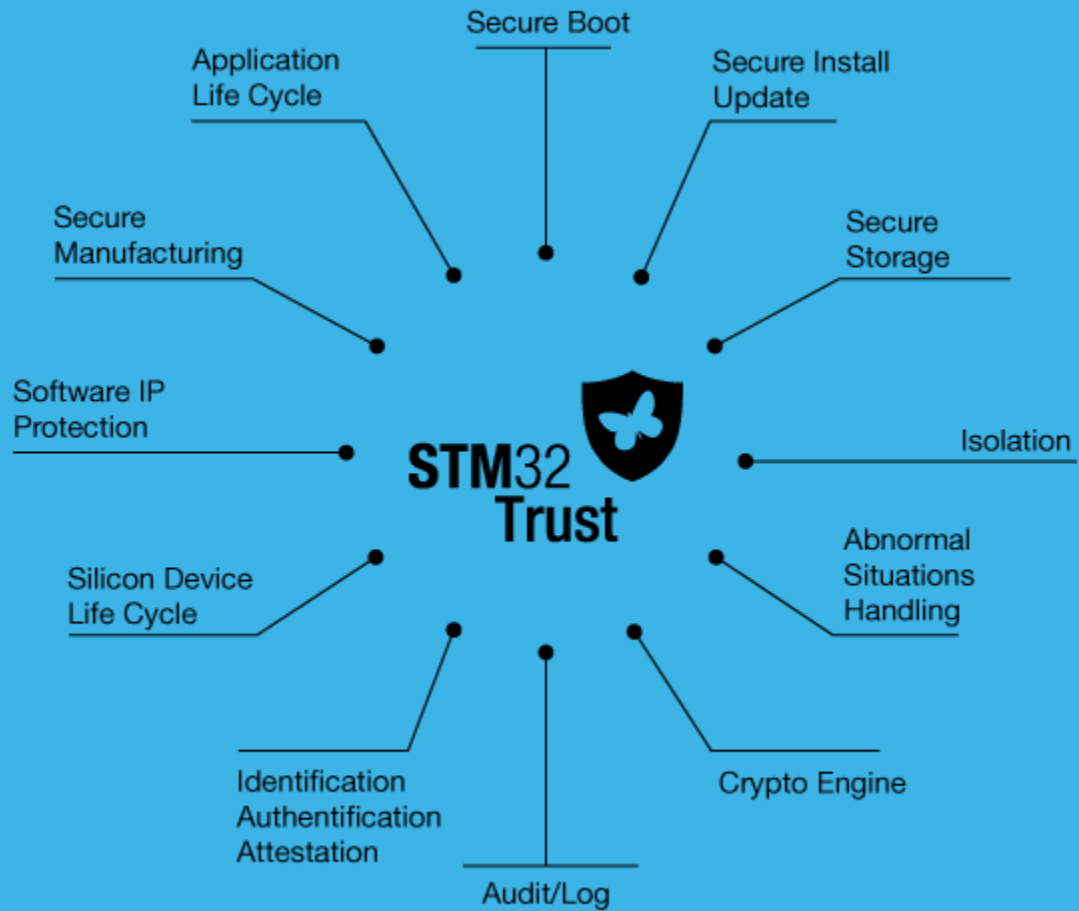


STM32H5 MCU



Target certifications


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STM32H5 MCU



Target certifications

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