bitdove OTA

About Us

    EDT is a publicly listed company in Taiwan that provides software solutions and manufacturing services to Fortune 500 enterprises worldwide.

    Founded in 1992, it is currently expanding into diversified services with office in Kaohsiung, American, European, Korea and Japan.

Why do you need OTA(Over-The-Air) update ?

The user's electronic device has experienced some errors during its operation and cannot be returned to the original manufacturer for repairs in time.

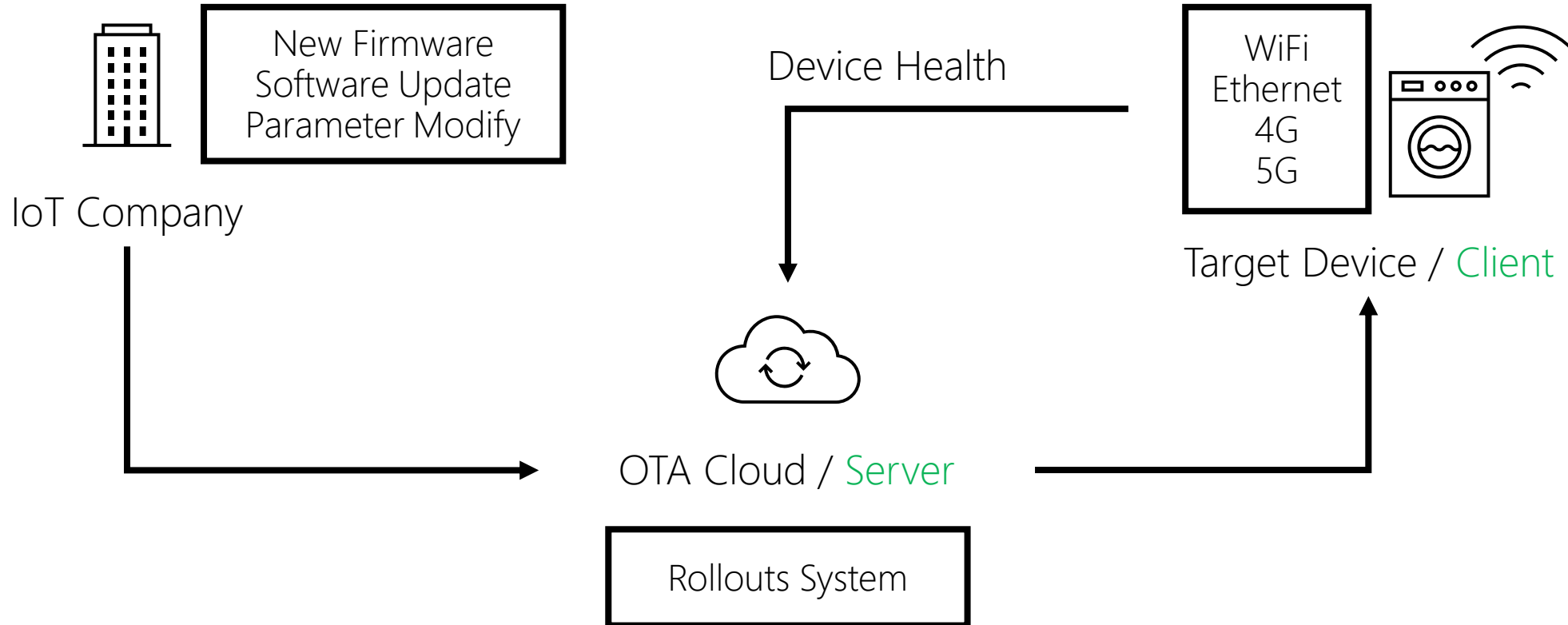# Make your product popular !

Every popular IoT device features OTA (Over-The-Air) capabilities, continuously delivering stable and efficient software services.

Without OTA

With OTA

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Concept of OTA

IoT Company

New Firmware
Software Update
Parameter Modify

Device Health

WiFi
Ethernet
4G
5G

Target Device / Client

OTA Cloud / Server

Rollouts System

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The Challenges of Providing OTA

Integrating OTA capabilities into embedded devices with network services, the following lists common challenges:
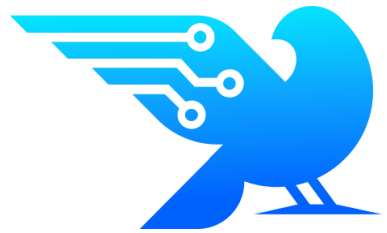
1. Uncertain of how to begin, lacking a concept

2. The risks of uncontrollable assessment and R&D costs

3. Lacking a cloud platform operations team

Ideal

Real

One-stop OTA Integration Solution

Why you need Bitdove OTA

Always take care, response in 72 hours.

1. Uncertain of how to begin, lacking a concept

   Providing free project evaluation that will have a professional team to evaluate whether your company's project is suitable for Bitdove OTA.

2. The risks of uncontrollable assessment and R&D costs

   Providing paid one-stop R&D technical consulting services, including design review and sample code, and all solutions can be verified.

3. Lacking a cloud platform operations team

   Providing robust and flexible daily network services, including load balancing, redundant, backup, cross-border performance improvement, information security, and API connection.

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OTA Middleware Server

Hawkbit

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What is Hawkbit ?

Upstream system

Hawkbit Rollouts Middle System

Devices

Back-end framework for rolling out software updates

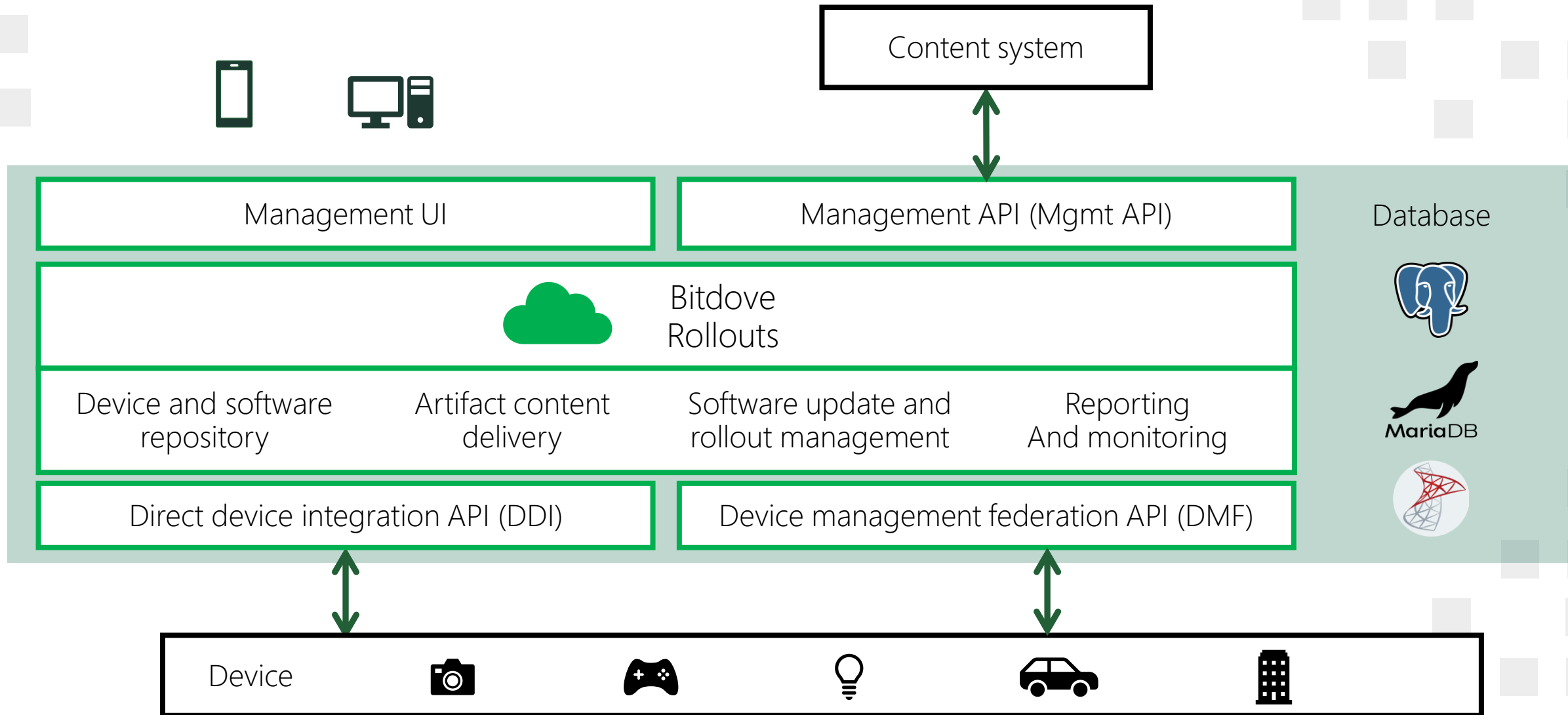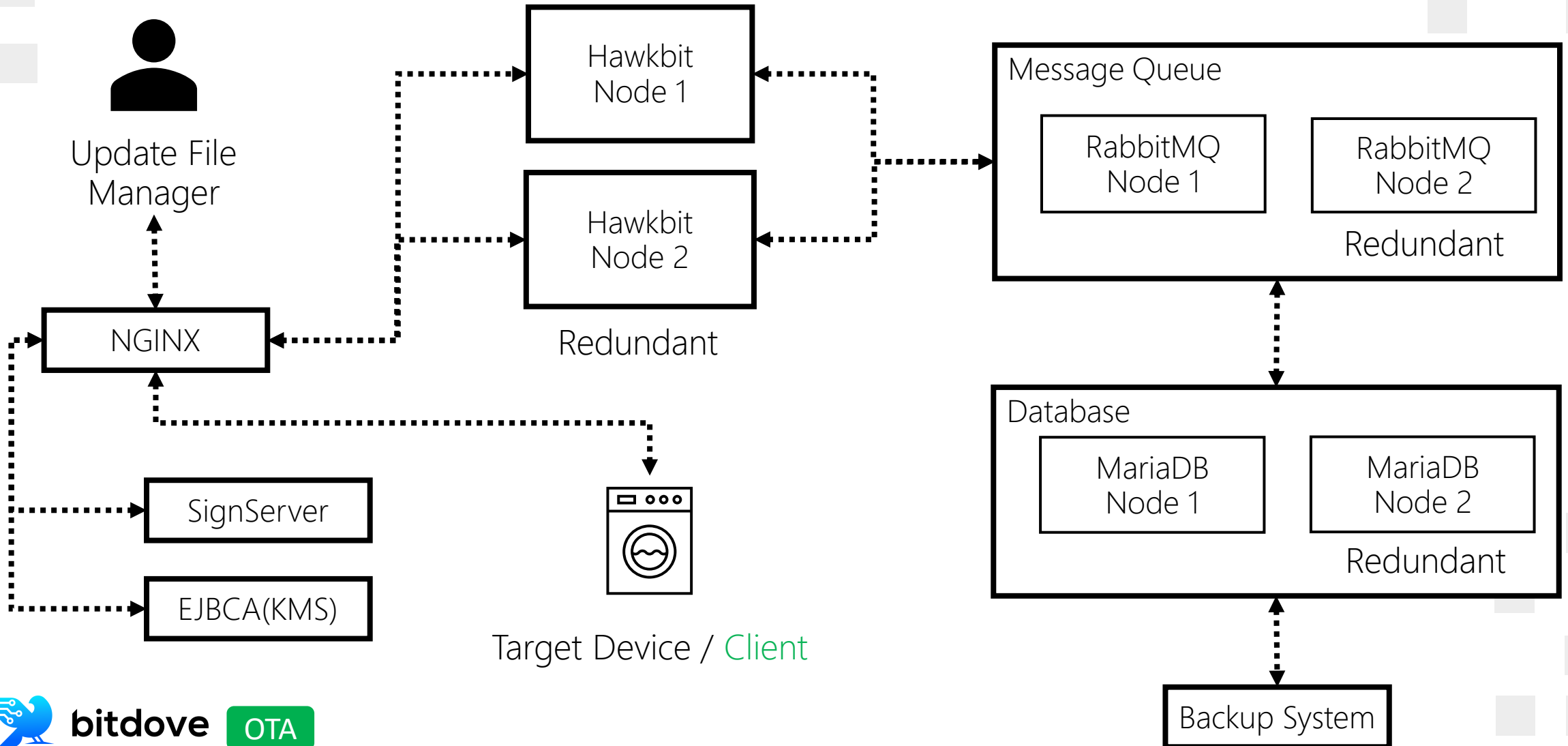Domain independent

IP based networking infrastructure

Integrable & flexible and customizable

Open source base on Spring Boot

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Hawkbit Architecture

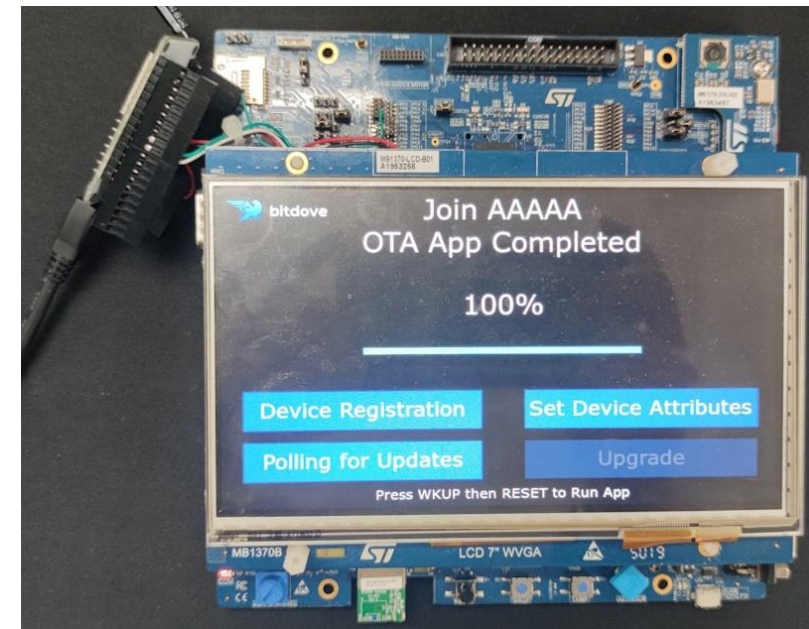# Bitdove OTA Server Reference Solution

Client

Consultant
Support STM32 MCU now

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STM32 MCU OTA Client Support

1. A complete prototype project integrating software, firmware and hardware for Evaluation

2. Planning and suggestions for implementing OTA with STM32 MCU

3. Professional, cordial and friendly remote R&D assistance with e-mail, Teams and Github

4. Support STM32CubeIDE and ST official toolchain

5. Custom and ODM Designs

Service Items List

Always take care, response in 72 hours.

Server Building and Operation

Providing professional software developer with good communication skills to build and operation the server that trusted, secure & reliable at VPS or private server.

Consultant

To give assistance that how to begin learning API, how to integrate or the tips of developing client updater.

System Integration

According customer business to integrate the upstream system with Hawkbit.

Software Customize

Provide reliable outsourcing for developing hardware, firmware, updater.

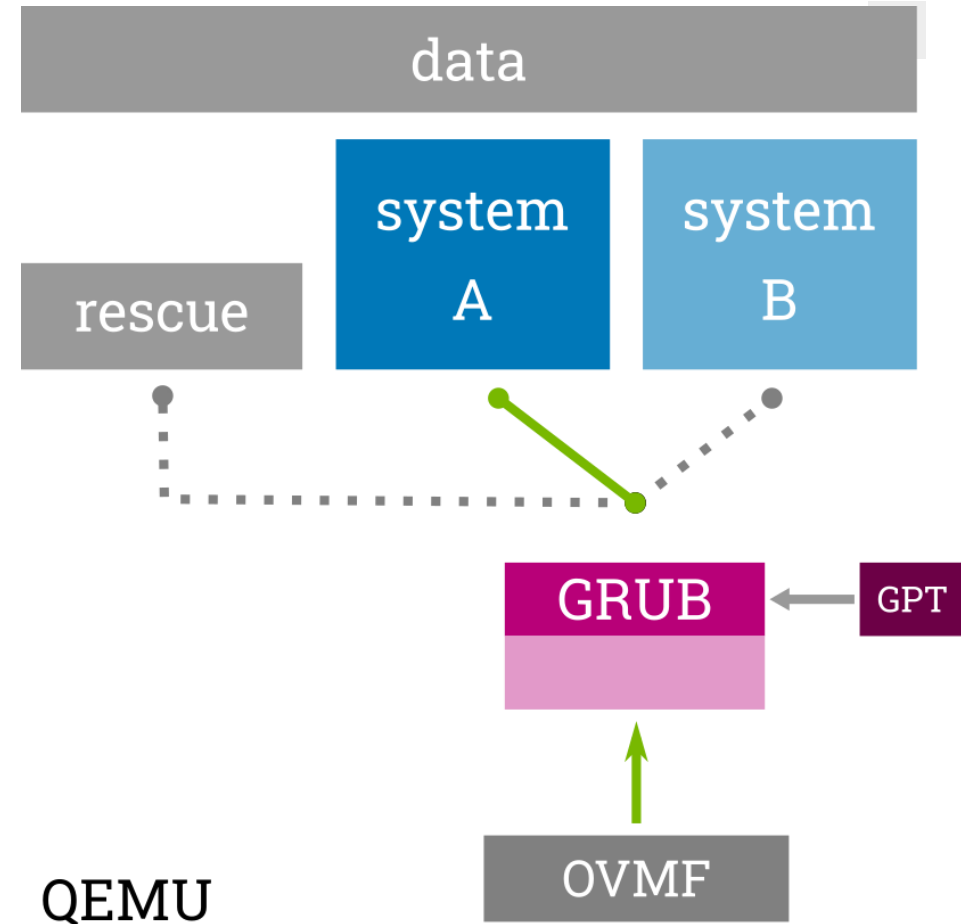**bitdove** OTA

LIVE DEMO 1

Bitdove OTA Solution Live Demo for STM32H7B3I-EVAL

https://youtu.be/5wbty9lNzzs

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LIVE DEMO 2

Bitdove OTA Solution Live Demo for Yocto by emu

Use RAUC updater to interact with a remote Bitdove Rollouts server in a device emulated with QEMU to perform an software rollouts of embedded linux system.

Contact Us

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Free evaluation

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Global remote supported

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Chinese