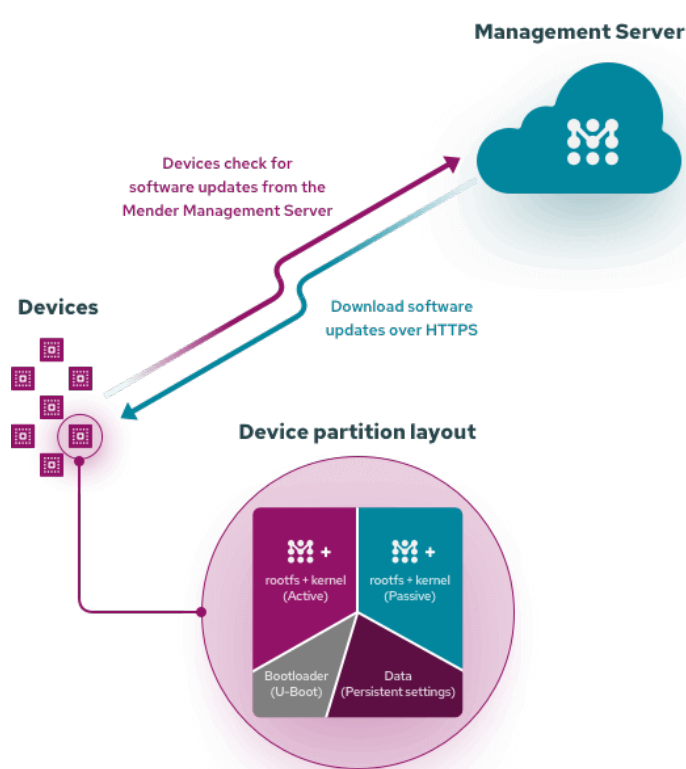


A secure up-to-date hosted management server

Background

With the advent of IoT and the proliferation of connected embedded devices across a variety of industry verticals, one of the biggest challenges in developing competitive products is the ability to efficiently deliver remote software updates at scale, while using industry best practices in security and robustness. Due to the scale of connecting devices and the numerous vulnerabilities that have affected devices across all automotive and smart connected home markets, support for OTA updates has become a mandatory requirement for connected devices. An update mechanism requires attention to security nuances and is crucial to a product's reputation and end-user satisfaction given the potential repercussions of 'bricked' or compromised devices.



Solution Offering

Mender Professional delivers the latest industry demanding features and is built upon the strong foundation of the Mender

open source project and extends its capability to deploy over-the-air software updates at scale anywhere in the world. It is delivered as Software-as-a-Service with a secure Mender server we host so you can focus more time on your core product while having the confidence of an easy and reliable over-the-air (OTA) software update mechanism. With a usage-based pricing model you are able to manage cost and budget more effectively. Mender Professional allows you to scale quickly and easily than if you had to scale your own infrastructure and is suitable for situations where scalability is challenging to predict.

Secure and Robust Update Process

- Automated rollback support
- Code signing of update artifacts
- Secure TLS client-server communication
- Root filesystem integrity check to avoid corruption

Top Features and Benefits

- Robust delta updates - Save bandwidth costs by reducing update file size by 70-90% and faster installation over cellular networks with dual A/B rootfs partitioning
- Phased rollout - Lower cost due to unforeseen issues and risk of fleet malfunction by gradually rolling out an update across the device fleet in several days or weeks
- Scheduling deployments - Enables updates when devices are not in use (e.g. nighttime) and save support costs from manually triggering deployments
- Two factor-authentication- Provides lower security risk of account compromise
- Multi-tenancy - Isolates environments in a cost-efficient manner

WHY USE MENDER PROFESSIONAL?

- Fast, easy and reliable to do OTA updates at scale
- Save time on managing server and IT infrastructure
- On-demand model scales as you go with usage-based pricing
- Reliable uptime and monitoring
- Experienced technical staff can solve your issues

Standard Features

- Out-of-the-box support for application-based updates using
- Docker containers, .deb packages, .rpm packages, files/directories
- Dual A/B root filesystem updates with rootfs compression
- Proxy deployment capability to peripheral devices
- Scripting support for custom actions

Best-Effort Support

Experienced technical staff is available for resolving any issues with your software and hardware. If you require SLA-based support with guaranteed response times, please see Mender Enterprise.

Pricing

We have a usage-based pricing model, where your costs are dependent on the number of devices, number of deployments, and how much data is transferred. To estimate accurately please visit www.mender.io/pricing to learn more.