Persistent

Datasheet

IoT Management Platform

A secure, reliable platform for managing IOT updates and analytics across a diverse device ecosystem.

IoT Management Platform is a solution for IoT updates management and delivery. It utilizes an efficient agent that employs byte / file level differencing, compression and robust security in order to deliver IOT updates in challenging environments robustly and securely. IOT Devices Management provides administrators, the ability to accurately record status of ongoing deployments and overall health of the infrastructure. It allows administrators to securely and quickly manage IOT updates via a robust assignment driven cloud based or on-premise solution.

Use Cases

1\ Firmware update management

2\ Software and Patch deployment over the internet

3\ Manage and monitor connected devices

Benefits

Reliable update experience

Supports compression, checkpoint restart, bandwidth throttling, byte / file level differencing to efficiently download the smallest possible payload during an IOT update.

Customizable IOT rollouts

Rollouts can be customized right from the point of assignment to the actual IOT experience on the devices.

Efficient IOT

Efficient packager utility that generates the smallest possible IOT package distribution, and can be organized and assigned by multiple criteria.

Secure

- End to end TLS encryption
- Ability to digitally sign IOT updates
- Strict role based access to console

Reliable

- Efficient data transfer protocol for IOT updates
- Near real time deployment status
- Robust error recovery

Scalable

- Handle increase in device footprint seamlessly
- Delta downloads capability reduces traffic to servers

Intuitive

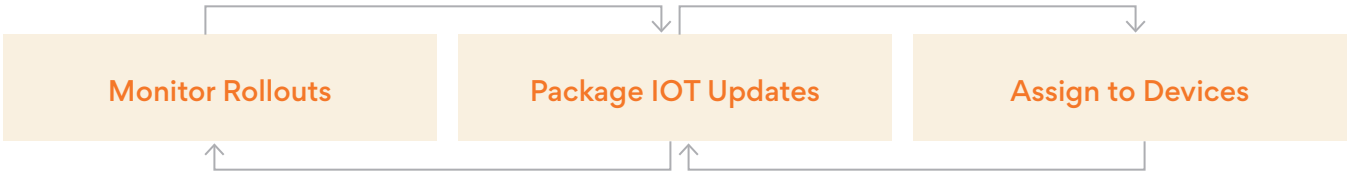
- Single silo for managing all devices receiving IOT updates
- Manage entire process from packaging to rollout from single console
- Modern console to easily navigate

Heterogenous

- Works with variety of devices
- Unified experience across devices and operating systems
- Supports IoT devices too

Technical Overview

IoT Management Platform operations are primarily driven by easily manageable agents that target major operating systems for traditional and specialty devices running Windows, Linux, Android and Embedded Linux. These are assigned packages that contain the IOT update to comprise a rollout that results in the IOT update being delivered (and reporting back to the console).



Core Differentiators

Checkpoint Restart

Recovers from communication failures and downloads remaining bytes as against getting full data.

Delta Update

Delivers delta updates through byte level differencing technique to optimize subsequent transfers.

Robust and Scalable

Scales indefinitely and supports different transport models including MESH.

Heterogenous

Works across device types including sensors and gateways.

About Persistent

We are a trusted Digital Engineering and Enterprise Modernization partner, combining deep technical expertise and industry experience to help our clients anticipate what's next. Our offerings and proven solutions create a unique competitive advantage for our clients by giving them the power to see beyond and rise above. We work with many industry-leading organizations world-wide including 14 of the 30 most innovative US companies, 80% of the largest banks in the US and India, and numerous innovators across the healthcare ecosystem. Our company fosters a values-driven and people-centric work environment. Our strength of over 22,500+ employees is spread over 18 different countries across the globe.

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