

Brochure

Device Data and Security Management Solution

Cloud-based solution for one-touch IoT device
onboarding and management.



Overview

As the adoption of IoT continues, organizations struggle to assemble multitude of devices in a digital ecosystem. While connectivity and cloud analytics form an important part of IoT deployment, another important dimension is tracking, monitoring, and managing fleet of connected devices.

The organization needs to ensure secure access to devices, monitor health, and remotely troubleshoot in case of any problems. With ever increasing scale of IoT deployments, organizations encounter operational challenges associated with physically installing and configuring large numbers of devices. Typical IoT device installation processes have significant manual aspects, which increases the cost and reduces speed of deployment.

Reasons organizations need IoT device management



Mitigate security risks.



Simplify deployment and management of downstream applications.



Accelerate time-to-market and reduce cost.



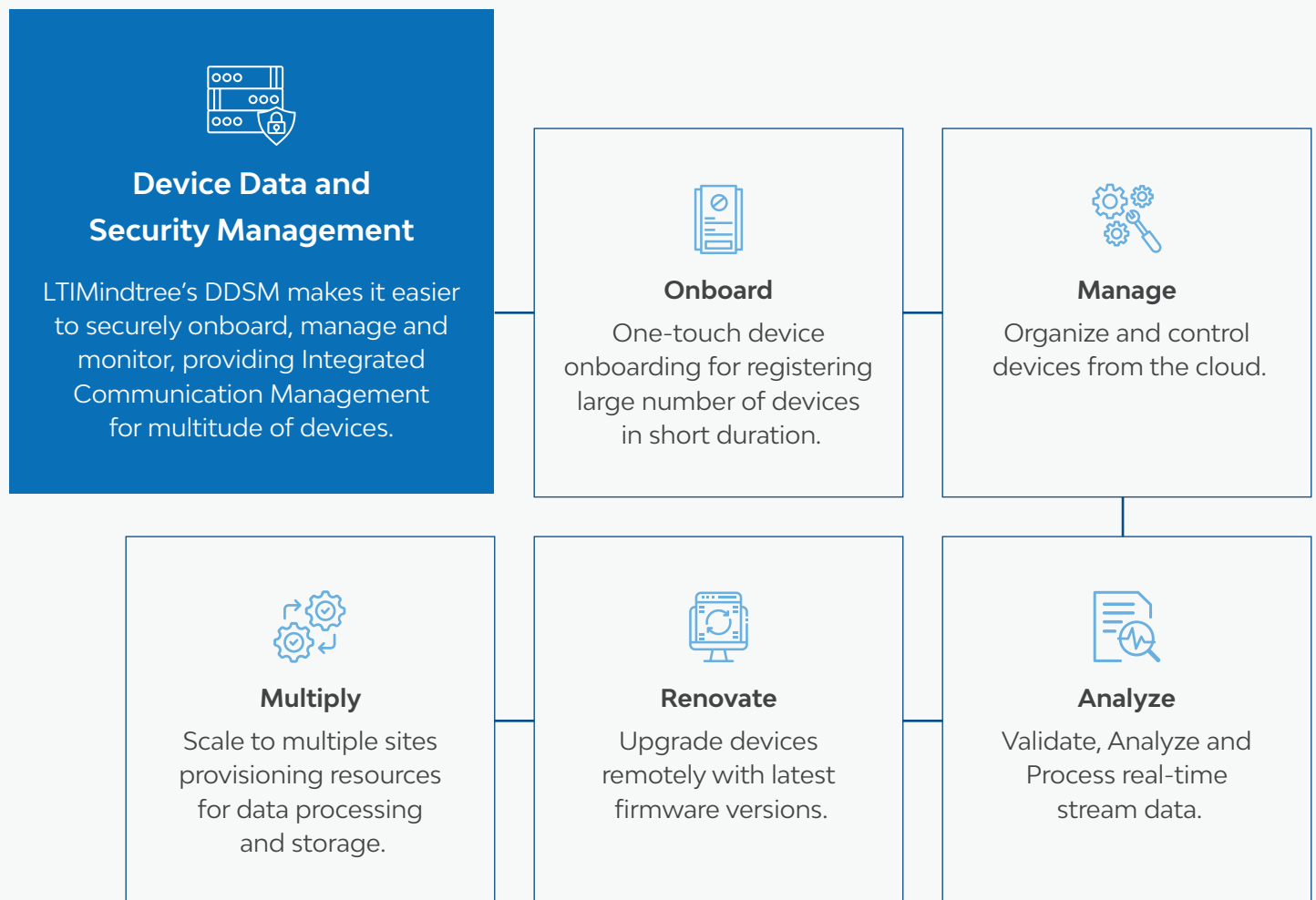
Enable secure device onboarding and offboarding.



Streamline network monitoring and remote troubleshooting.

Approach to Resolution – The LTIMindtree Advantage

LTIMindtree’s **Device Data and Security Management (DDSM)** is a scalable, Cloud-based solution that enables automated bootstrapping, remote management of IoT devices and exchange information in real-time. It features asset management, device log and health, big data processing and scalability to multiple sites/locations. It provides **one-touch device on-boarding** that facilitates quick configuration of devices, thereby reducing up to **90%** effort in provisioning.



Solution Features

LTIMindtree's DDSM collects and stores data from multiple devices and analyzes it. The IoT devices are connected via standard or proprietary protocols and the solution triggers events based on analytics engine, providing insights for data-enabled decision-making. The solution facilitates an **"Integrated Communication Management"** library to interact with device using different industrial protocols. Key features of the solution are:



Device Management

Manage, Secure, Control, and upgrade devices from the cloud using one-touch on-boarding.



Real-time Data Processing

Validate, Analyze and Process data in real-time stream with enterprise data source routed to ML/Analytics through comprehensive WS/API.



Complex Event Processing

Enable CEP by using models of causality and conceptual hierarchies on real-time data stream, to derive high level inferences about complex events within the business domain.



Multi-tenancy

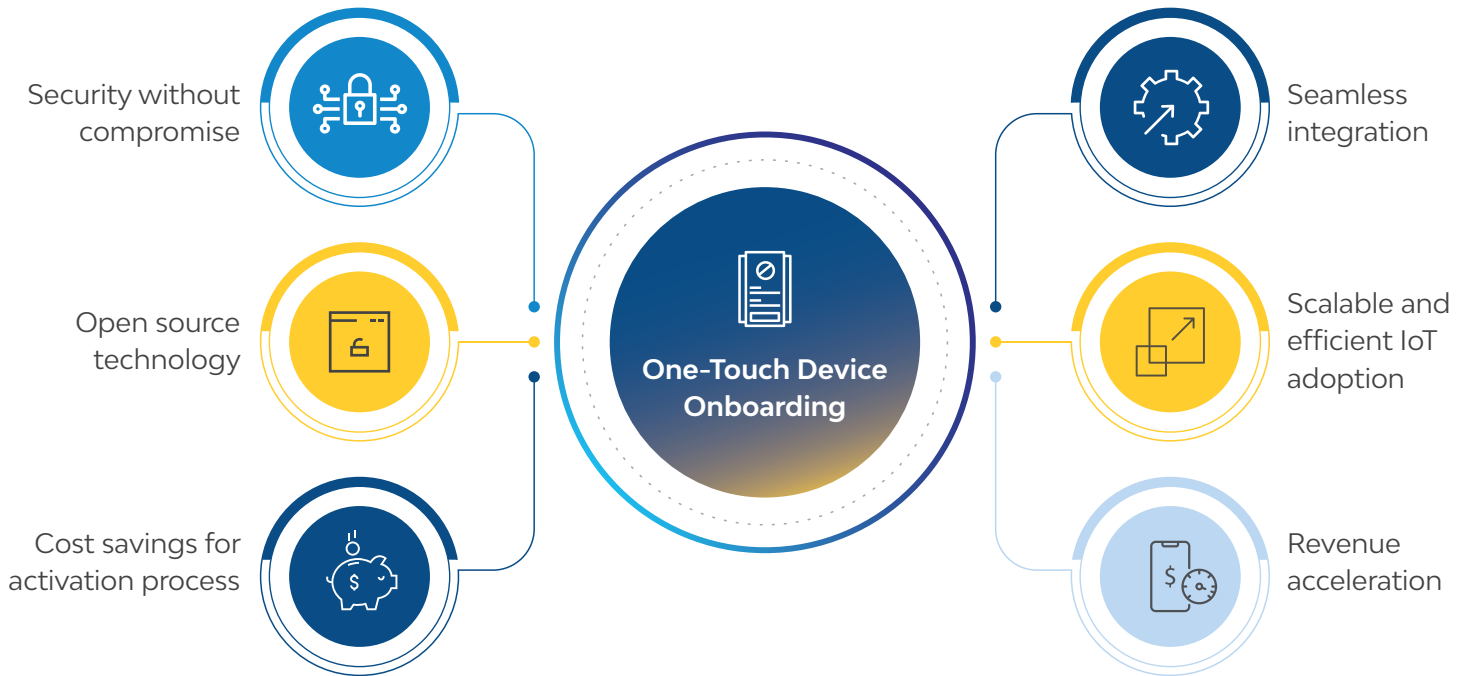
The solution can scale to multiple clients/factories/locations and partition the process and data accordingly, thus enabling balancing the load of processing and storage.



Device Health Monitoring

Efficiently monitor connected devices and collect Operational Logs into cloud for checking the device health.

Business Benefits



LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 84,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree – a Larsen & Toubro Group company – combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit <https://www.ltimindtree.com/>