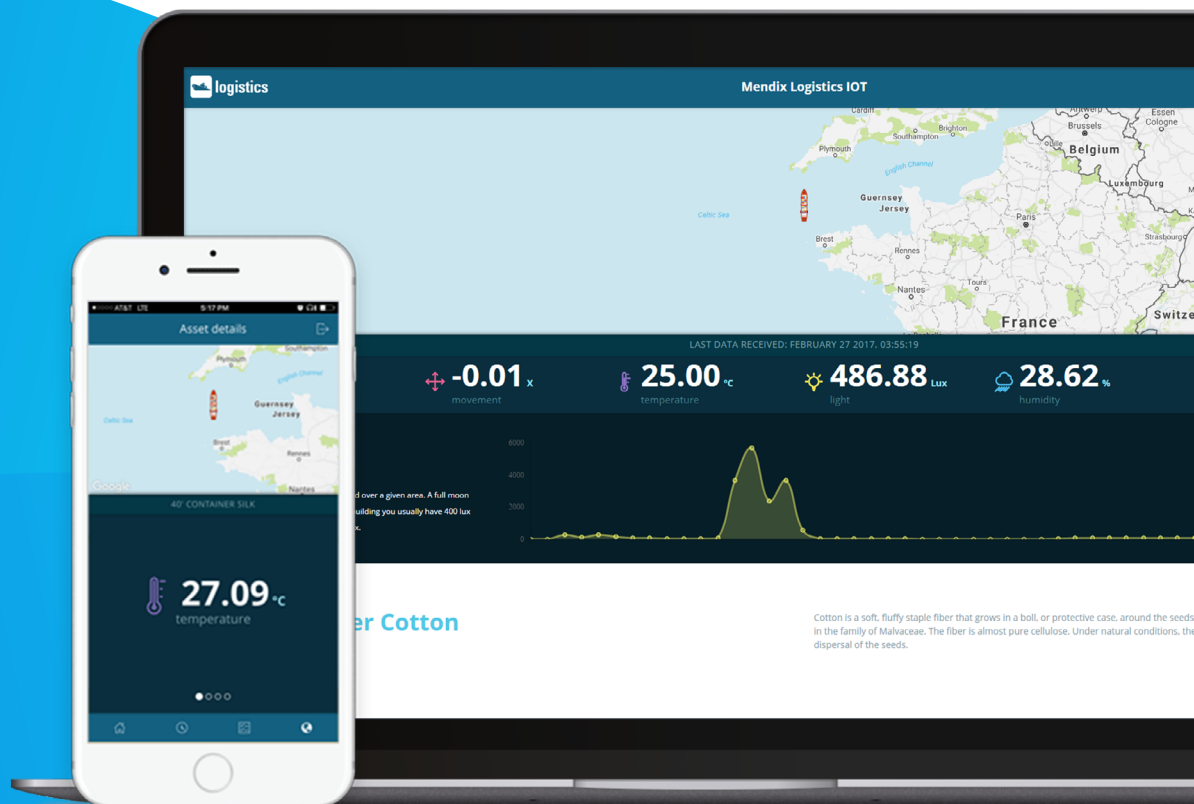


Solution Brief:

# IoT Apps Made Easy with the Mendix High Productivity Platform

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# Are You Ready for IoT?

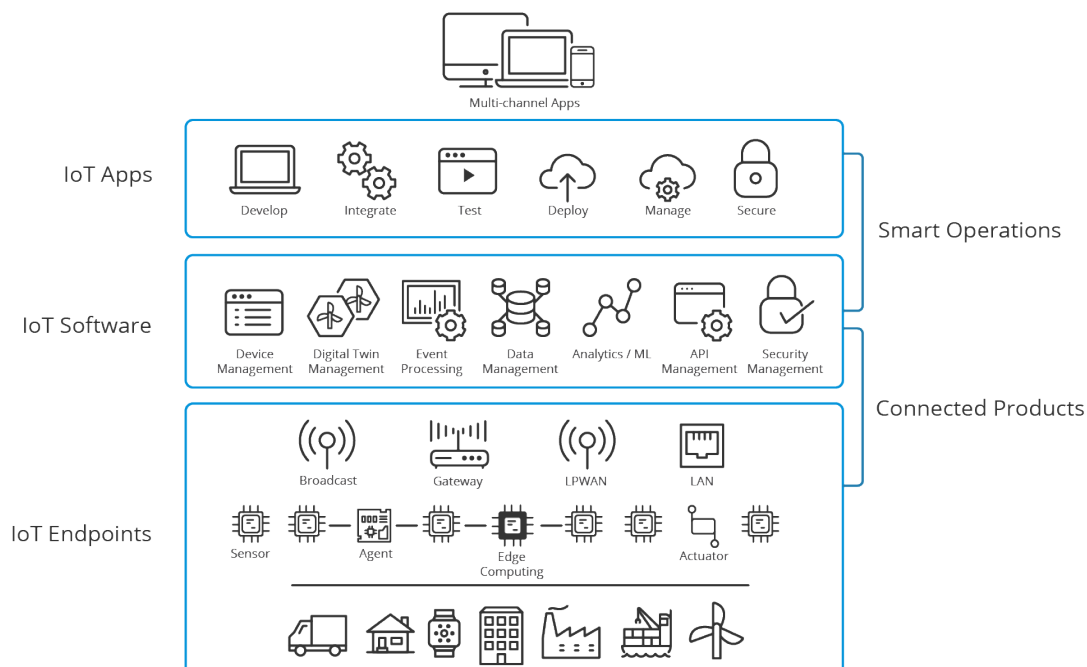
The Internet of Things (IoT) is a transformative force driving the convergence of the physical and digital worlds. Start exploring the opportunities of IoT, using the Mendix Platform to create IoT apps that:

- Drive smarter business operations by turning sensor data into actionable insights
- Deliver new customer experiences by creating new services
- Develop new business models by monetizing information

## Get a Grip on IoT Complexity

The IoT technology landscape is diverse, supporting a huge variety of use cases across industries. Reduce IoT complexity by taking the following approach:

- **Think in layers** - Design solutions taking a layered approach, logically grouping IoT technologies and services with clear interfaces.
- **Define a future-proof architecture** - Plan for diversity and define a flexible, pluggable architecture.
- **Take a platform approach** - Simplify IoT solution development leveraging the Mendix platform on top of your IoT software platform of choice.
- **Think big & start small** - Create a SWAT team, identify pilot projects, test & learn, and minimize time to value.



# Address the Challenges of Creating IoT Solutions

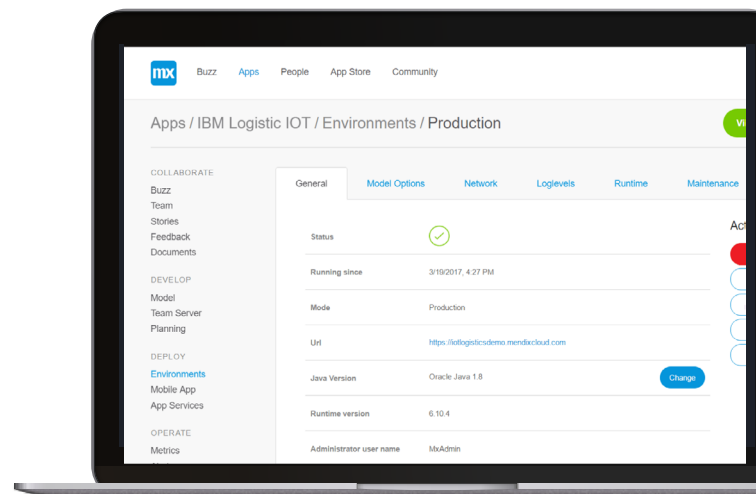
Mendix helps unlock the value of IoT by addressing key challenges many organizations are facing:

Challenges	Mendix Approach
Lack of Agility - Traditional development approaches don't facilitate rapid experimentation and close collaboration between Business & IT.	Single platform for collaborative development supporting the full ALM cycle and DevOps approach.
Technical Complexity - Teams often struggle to integrate the heterogeneous mix of endpoints, IoT services, back-end systems, and data required for IoT solutions.	Out-of-the-box connectors for IoT and backend systems for integration with IoT apps and workflows.
Skills Shortage - IoT solutions require scarce, hard-to-find skills spanning IoT technology, integration, data management, analytics, and app development.	Visual development puts app delivery in the hands of less technical developers.

## IoT Apps Made Easy with Mendix

The Mendix Platform speeds IoT app development with:

- **Visual development** – Compose apps and workflows with visual models and app store building blocks.
- **IoT Connectors** – Leverage drag-and-drop IoT connectors that hide technical complexity.
- **Business & IT Collaboration** – Bring business & IT together in one collaborative environment.
- **Scalability & High Availability** – Benefit from self-service scaling and HA options to handle variable load.
- **Multi-cloud Deployment** – Deploy apps in your cloud of choice, leveraging Cloud Foundry and Docker.
- **Hybrid Cloud Support** – Orchestrate IoT apps and services across clouds.



# Learn more about defining your IoT strategy and the essentials of an IoT Solution Architecture.

Get the IoT Solution Architecture Essentials Guide

[Download guide](#)

Mendix is the fastest and easiest platform to build and continuously improve mobile and web applications that enable innovation. Recognized as a Leader by Gartner and Forrester, we help our customers digitally transform their organizations and industries by building, managing, and improving apps at unprecedented speed and scale. Nearly 4,000 forward-thinking organizations, including KLM, Medtronic, Merck, and Phillips, use our platform to build business applications to delight their customers and empower their employees.

Learn more at [Mendix.com](https://mendix.com)

