Rapid App Development
with **Mendix for Cloud Foundry**™

Accelerate the Digital Enterprise with Rapid App Delivery

Enterprise apps are more fluid than ever, requiring not only fast release but continuous delivery of new features and enhancements. Unfortunately, IT teams who rely strictly on traditional development tools and methods find that they are unable to keep pace with surging demand.

Mendix for Cloud Foundry brings a new level of speed and agility to the delivery of cloud-native, multi-channel applications. Using Mendix's signature visual modeling capabilities, business-oriented rapid developers can build and modify apps six times faster than traditional programming methods. By integrating with Cloud Foundry's open PaaS framework, the Mendix Platform enables seamless, multi-cloud deployment as well as easy access to a growing ecosystem of component services.

It's time to accelerate application development without compromising quality or operations. Mendix for Cloud Foundry provides a scalable cloud platform to rapidly design, build, deploy and manage enterprise apps. Developers have the flexibility to instantly deploy their apps on any Cloud Foundry-based stack.

The Fastest Path from Idea to App

Modern IT
Enable business-oriented developers to rapidly build multi-channel apps in an environment managed by IT.

Faster Time to Market
Accelerate the complete app lifecycle, combining visual, rapid app development with streamlined provisioning, deployment and management.
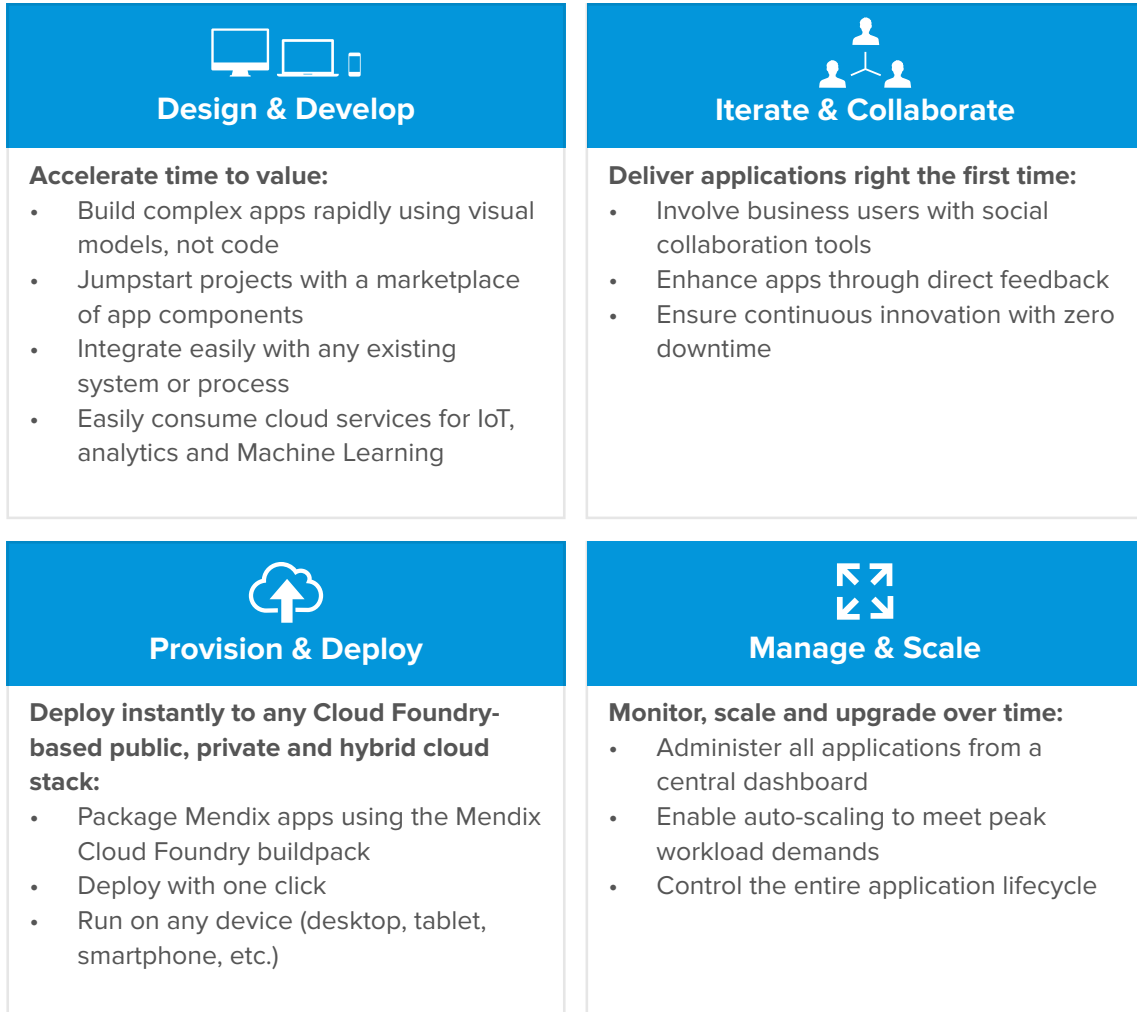
Greater Agility
Maintain flexibility so that you can iterate as market factors change, ensuring your business can continuously innovate.

One Platform for High Productivity and High Control

Accelerate your digital innovation efforts with an integrated cloud platform for modern app delivery. Bring multi-channel apps to market faster and enable continuous innovation by streamlining the complete application lifecycle. Administer and control your application as needed.

Design & Develop

Accelerate time to value:
- Build complex apps rapidly using visual models, not code
- Jumpstart projects with a marketplace of app components
- Integrate easily with any existing system or process
- Easily consume cloud services for IoT, analytics and Machine Learning

Iterate & Collaborate

Deliver applications right the first time:
- Involve business users with social collaboration tools
- Enhance apps through direct feedback
- Ensure continuous innovation with zero downtime

Provision & Deploy

Deploy instantly to any Cloud Foundry-based public, private and hybrid cloud stack:
- Package Mendix apps using the Mendix Cloud Foundry buildpack
- Deploy with one click
- Run on any device (desktop, tablet, smartphone, etc.)

Manage & Scale

Monitor, scale and upgrade over time:
- Administer all applications from a central dashboard
- Enable auto-scaling to meet peak workload demands
- Control the entire application lifecycle

Powered by Open Source Standards

Mendix has partnered with Pivotal™, HPE Helion, IBM Bluemix™ and Microsoft Azure™ to deliver a complete, Cloud Foundry-based platform for rapid app development and delivery. Their commitment to open source standards is fueling high-velocity, software-driven innovation while providing customers greater deployment flexibility and portability.
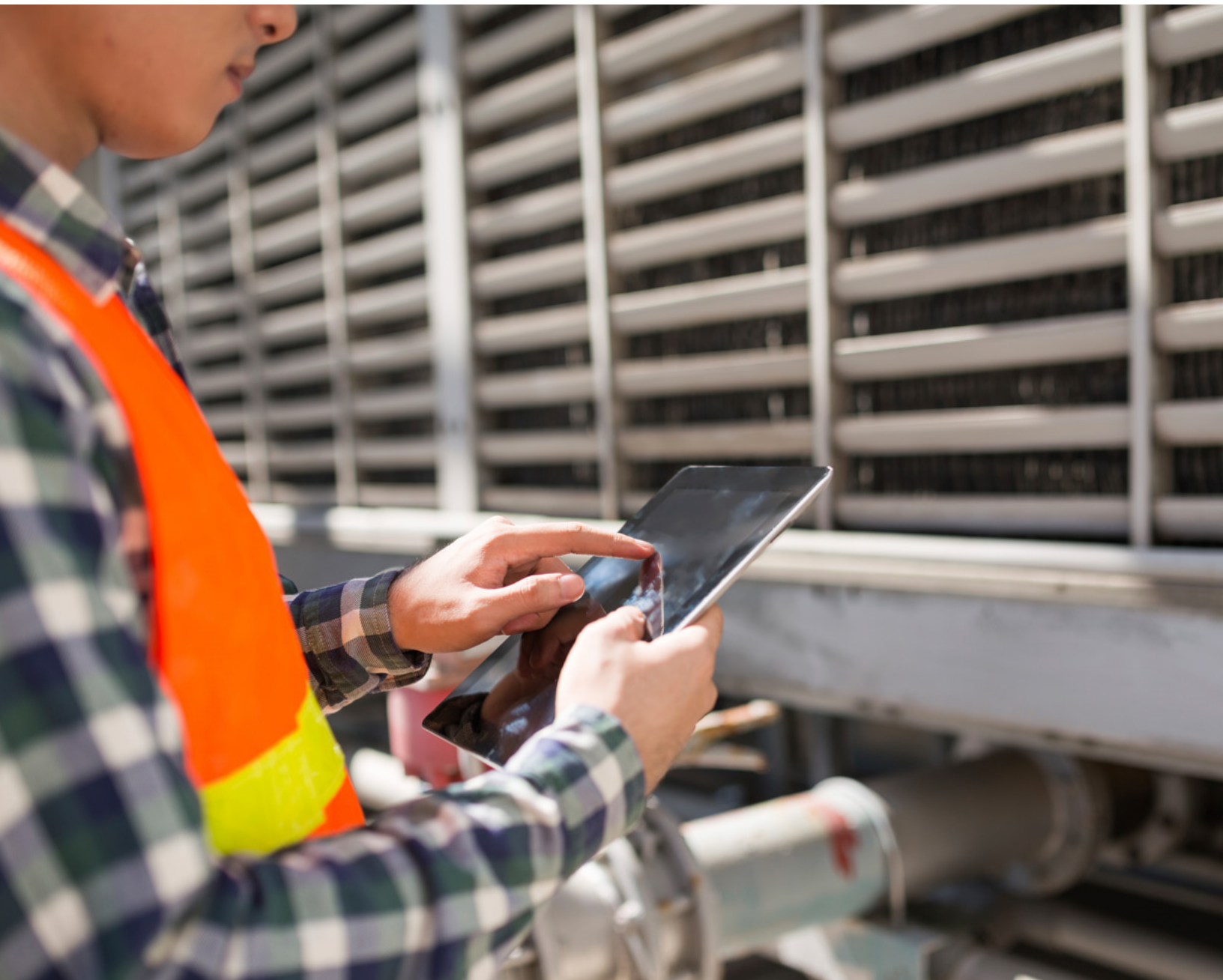
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Mendix Support for Cloud Foundry Enables Development of Smart Apps

The converging mega-trends of Internet of Things (IoT), big data and machine learning have led to the emergence of new tools, SDKs and consumable services offered on a plug-and-play basis by the likes of IBM with Watson, Microsoft Azure with Cortana and Amazon AWS™ IoT. These technology stacks, made available in the cloud, have democratized this otherwise complex and costly landscape, enabling organizations to implement new business models and adapt to the future of IoT and Machine Learning.

This inexorable trend towards a world of massively connected and distributed devices, generating unparalleled quantities of data, gives way to the need for a new breed of applications: Smart Apps. Unlike their predecessors, Smart Apps power innovative digital enterprises by being connected, contextual and situationally aware applications.
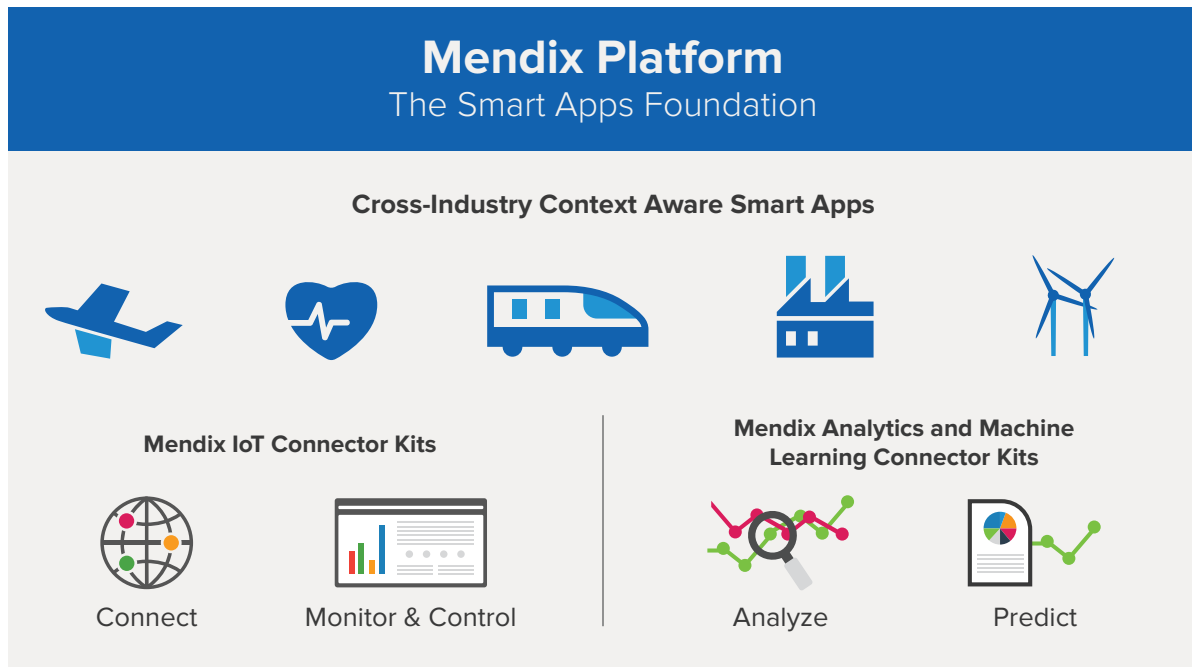
Smart apps are able to extract meaning from the massive amounts of data from connected devices and sensors via data processing tools like predictive analytics and machine learning to create proactive, dynamic and personal experiences for employees, customers and partners.

Accelerate development of smart apps with access to cloud platform partners

Mendix support for Cloud Foundry enables organizations to rapidly build and scale Smart Apps in a high availability environment via model-driven development and one-click deployment. Cloud Foundry's scalable architecture, combined with Mendix's simple deployment tools, means apps can be ideated, built and deployed without the need for low-level coding or IT skills and involvement.

Organizations can take advantage of services offered by Mendix cloud platform partners, including IBM Watson, Microsoft Cortana and AWS IoT, to build Smart Apps. Our cloud platform partners have exposed their cloud-based services, enabling non-developers and developers alike to build applications that turn connected devices and intelligent insights into actionable, contextually aware applications for web, tablet and mobile devices.

Mendix Platform
The Smart Apps Foundation

Cross-Industry Context Aware Smart Apps

Mendix IoT Connector Kits

Connect   Monitor & Control

Mendix Analytics and Machine Learning Connector Kits

Analyze   Predict

Supported by strong relationships with platform providers

CLOUD **FOUNDRY**   **amazon** web services   **Windows Azure**   IBM **Bluemix**™

These cloud providers have abstracted organizations from dealing with the complexity of developing Smart Apps with intuitive tools. Now Mendix adds another level of abstraction with the ability to access these partner services directly in the Mendix Modeler to rapidly build and deploy Smart Apps.

Learn more at: www.mendix.com/cloud-foundry/

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Mendix enables companies to build, integrate and deploy web and mobile applications faster and with better results, effectively driving ROI in days, not months.