

Case study

Mendix and HP Helion deliver rapid app development in the cloud



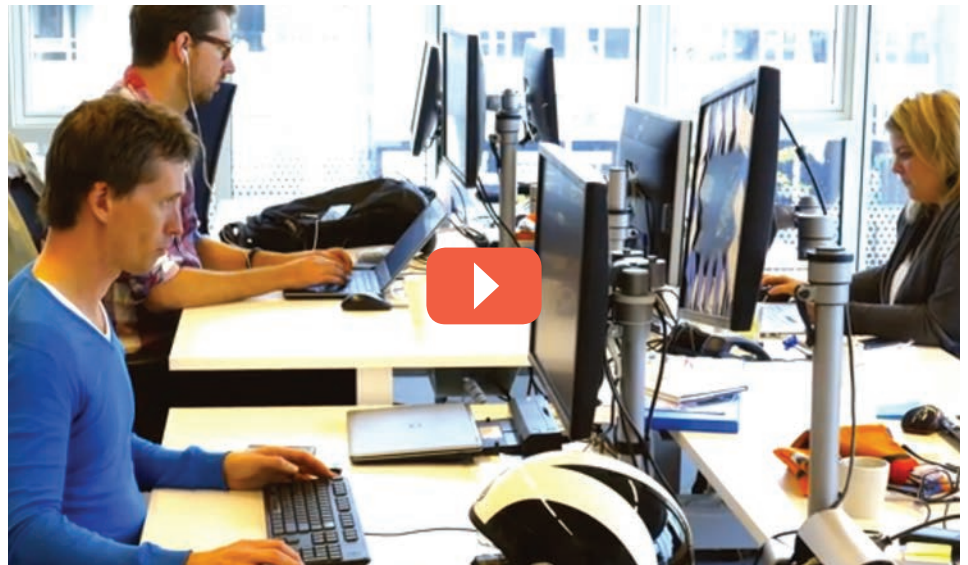
Industry
Technology

Objective
Seamless integration between Mendix and HP Helion Development Platform to foster fast cloud application development

Approach
Partner with HP to provide an integrated development experience for rapid development and deployment of open cloud applications

- IT matters**
- Applications run as a native cloud application built without coding
 - Visual/data application modeling enables the rapid building, integration, deployment, and sharing of multidevice business applications
 - Portability allows applications to run across browsers, smartphones, and tablets

- Business matters**
- Companies achieve ROI in days versus months
 - Collaboration between HP, Mendix, and the open source community fuels greater innovation
 - Partnership advances a New Style of IT to solve challenges across cloud, social, mobile, and Big Data technology



“Our joint customers will use the HP Helion Development Platform to advance a wide range of multi-channel apps across industries and use cases—including insurance and loan processing, clinical systems, logistics workflows, multi-channel order management and customer and partner portals. This will certainly be a win-win situation for customers and both HP and Mendix.”

—Mark Rogers VP Business Development, Mendix



Mendix no-code rapid application development experience

Many enterprises have a mix of developers—from a traditional developer who uses a variety of languages to a rapid developer who prefers not to code and instead seeks visual development tools to quickly create applications. Mendix addresses the needs of the rapid developer by providing a visual application modeling solution that enables companies to build, integrate, and deploy multidevice business applications six times faster than traditional programming languages.

“Rapid devs prefer not to code; coding takes too long.... Rapid devs want to deliver major applications in weeks—days, if possible. They see public cloud platforms as a fresh start with the potential to yield massive gains in the quantity, velocity, and quality of application delivery.”¹

Mendix applications are cloud native and can be built without coding. Plus, they run across browsers, smartphones, tablets, and anywhere else the application is displayed. Using visual, model-driven development, one-click deployment, social collaboration, and a central app governance all-in-one complete solution, companies can drive ROI in a matter of days versus months. Mendix is ideal for delivering differentiated and innovative multichannel, enterprise-class systems. This is a natural addition to the developer tooling and experience—a key feature of the HP Helion Development Platform, complementing deeper languages and frameworks used by developers such as Java, Node.js, Perl, Python, Ruby, and Go.

Mendix seamlessly integrates with the HP Helion Development Platform, an open, interoperable platform that enables application development and portability across traditional, private, and public clouds. Based on Cloud Foundry™ and integrated with HP Helion OpenStack to allow businesses to quickly develop, deploy, and deliver cloud-native applications, Mendix and the HP Helion Development Platform support the complete application lifecycle:

- Design—capture, refine, and prioritize user stories; estimate, plan, and monitor sprints; manage releases, etc.
- Build—build multichannel, multidevice applications with visual, model-driven development to promote communication, productivity, quality, and short iterations
- Deploy—provision and manage apps in the cloud, including one-click, auto-scale deployment; manage test, acceptance, and production environments
- Manage—manage all applications from a single dashboard, delivering availability, security, performance, and scalability
- Iterate—gather feedback, including end-user input, and use in the next cycle of capture-develop-deploy-iterate
- Integrate—seamlessly integrate new applications with existing systems and processes across the enterprise, including the HP Helion portfolio of products

Shadow IT creates barriers for all companies

With the speed of business today, IT organizations are discovering that new cloud applications are not being delivered fast enough using traditional application development methods. And when backlogs inevitably occur, the trend is clear: LOB managers will go with ‘good enough’ apps and services from SaaS and public cloud providers. In addition to creating silos and pockets of technology, such shadow IT practices introduce control, manageability, security, and governance concerns. This presents a huge challenge for IT organizations that are striving to modernize data centers and implement a converged cloud infrastructure that will meet the business and technical needs of their entire organizations.

According to Mark Rogers, Mendix VP of Business Development, “CIOs see cloud solutions as a way to transform their business, but the path to get there is not always well defined. They will turn to offshore development as a solution only to find an additional layer of complexity. When it comes to application portfolio management, CIOs have many questions, such as, ‘How do I move existing apps to the cloud, or is it better to rewrite them instead?’”

Mendix and HP Helion integration speeds app delivery

The equation is simple. If you can empower a company’s business analysts or domain experts to create and deliver new apps faster, especially in an environment supported and governed by IT, then you can divest yourself of the complications that come with shadow IT, offshoring, and portfolio management. You can then address important technology initiatives such as establishing and evolving your private or hybrid clouds.

What makes the Mendix and HP Helion solution different? HP is working with Mendix to provide a simple, integrated development experience for rapidly developing and deploying applications to an open cloud solution. Mendix applications run in the cloud as a native cloud application (Cloud Foundry apps) and can be developed without the need for coding. The HP Helion Development Platform uses open source technologies such as Cloud Foundry software and Docker containers,

¹“The Forrester Wave™: Enterprise Public Cloud Platforms, Q4 2014,” Forrester Research, Inc., December 29, 2014.

Customer at a glance

HP Helion Cloud solution

- Private cloud

Software

- Mendix App Platform
- HP Helion Development Platform

and is integrated with HP Helion OpenStack, providing developers and IT operations with an open solution for agility, portability, and scalability. Mendix and HP help to accelerate and simplify the deployment of enterprise-ready Cloud Foundry-based applications, as well as fuel collaboration and innovation of the HP Helion ecosystem for cloud development by combining the Mendix model-driven development approach with one-click, auto-scale deployment to the HP Helion Development Platform. HP and Mendix are collaborating together and with a network of system integrators and service providers to enable fast industry-specific application development capabilities and templates that can be used by business-oriented developers and users.

What HP Helion and Mendix mean for customers

Through the HP Helion Ready Program, HP and Mendix will help CIOs advance the New Style of IT across social, mobile, cloud, and Big Data challenges by offering a better way to deliver new, migrated, or modernized multichannel applications. The partnership will provide an integrated experience to simplify the development and deployment of enterprise-ready Cloud Foundry-based applications. Advanced features, including security model integration and application lifecycle management, will further accelerate and produce cloud-native development and deployment for professional and rapid developers alike.

In summary, Rogers states, “Our joint customers will use the HP Helion Development Platform combined with Mendix to build a wide range of multichannel apps across industries and use cases—including insurance and loan processing, clinical systems, logistics workflows, multichannel order management, and customer and partner portals. This will certainly be a win-win situation for customers and both HP and Mendix.”

Resources

[QSM Benchmark Report](#)

[HP Helion Development Platform](#)

[Rapid App Development with Mendix for HP Helion data sheet](#)

Videos

[“Testimonial: Dun and Bradstreet Delivers New Apps in Days with Mendix”](#)

[“Testimonial: Boston Globe Delivers on Diverse Application Needs Across Its Organization”](#)

[“Testimonial: Mendix Enables LV= to Launch New Insurance Products in Under Six Weeks”](#)

[“HP Helion Tech Talk: HP Helion Development Platform”](#)

[“Introducing the HP Helion Development Platform”](#)

[“Deploying apps with the HP Helion Development Platform”](#)

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