Hewlett Packard Enterprise

HPE Codar

Accelerate the application-release management process with continuous deployment

Can you respond to changing customer needs before the competition?

In the age of technology-empowered customers, the timing and quality of your applications can make or break you. You may want to get ahead of the competition, but when it comes to delivering powerful customer experiences, just keeping up can be a challenge.

To be competitive, you need to deploy higher quality applications faster and deliver new features more consistently. However, many current release management and deployment processes are manual and prone to error. Development and operations teams remain siloed and lack the collaboration to effectively work together across platforms and operating systems.

Keeping pace with critical updates and customer needs requires rapid iterations and deployment automation for speed and consistency. HPE Codar accelerates the application-release management process by automating end-to-end application deployment and helping you take control of the application pipeline.

HPE Codar delivers real business value—faster and more frequently

Designed to support proven DevOps tenets such as tight collaboration, rapid iteration, continuous delivery release management automation, and frequent updates—HPE Codar helps enterprises accelerate time to market for applications and deliver high levels of customer responsiveness.

Through its collaborative and integrated approach, HPE Codar enables teams to release higher quality software to any environment across all lifecycle stages—from development to production, on premises or in the cloud.

Faster time to market
To accelerate response times you have to eliminate those manual, error-prone tasks. HPE Codar provides the automation tools and capabilities required for complex multi-tier application release management and deployment across the application lifecycle.

Enhanced application quality
To increase application quality you have to decrease error. HPE Codar provides full visibility and control of release management and the deployment pipeline across dev, test, and production environments, allowing for more frequent testing and reducing manual errors.

More accurate fulfillment
Accuracy begins with your models. HPE Codar models infrastructure and application components separately. This unique approach increases accuracy of release deployment by allowing components to be matched based on application requirements at the time of deployment.

Increased efficiency and collaboration
Developers who spend less time troubleshooting have more time to innovate. HPE Codar frees up time by using the same application topology models for consistent, repeatable deployments across different stages of the application pipeline.

Quicker time to value
HPE Codar protects your current tool, content, and service investments. A simple modeling interface provides out-of-the-box integrations with Jenkins, Chef, Puppet, VMware vCenter, HPE Helion Public Cloud, Amazon cloud services, and many others. APIs support custom integrations, allowing your tools of choice to be used throughout the application lifecycle.

Continuous delivery in three steps

Step 1: Leverage existing content

HPE Codar provides a native deployer, but you can speed time to value by importing existing application and infrastructure content from external sources. Just point HPE Codar to the external provider to use existing Chef recipes, Docker containers, and much more.
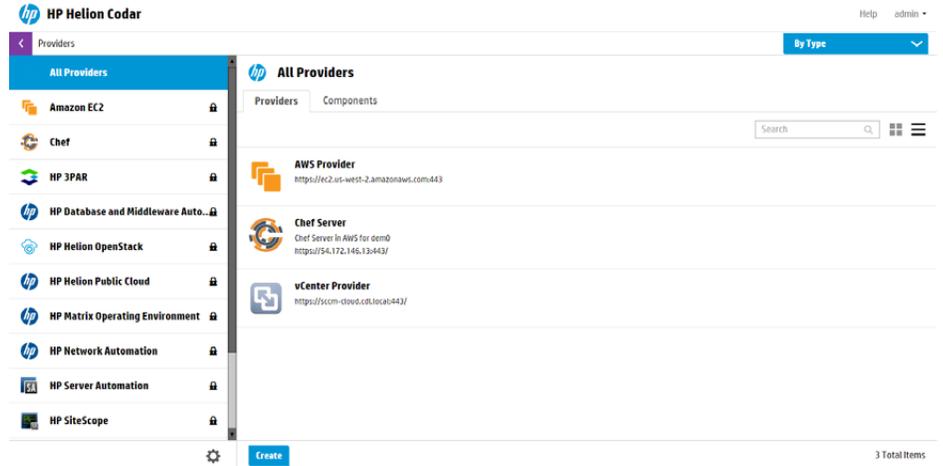

Figure 1: Leverage content from external providers

Step 2: Create and export models

Insert or create your own application components with the graphical topology designer, and then simply drag and drop to create dependencies with the simple declarative HPE design method. HPE Codar works behind the scenes to orchestrate the deployment. Once created, models can be exported as JSON files so you can store, manage, and update them alongside your code. HPE Codar accesses the latest model at deployment time, resulting in thoroughly tested, repeatable, and transparent deployments.
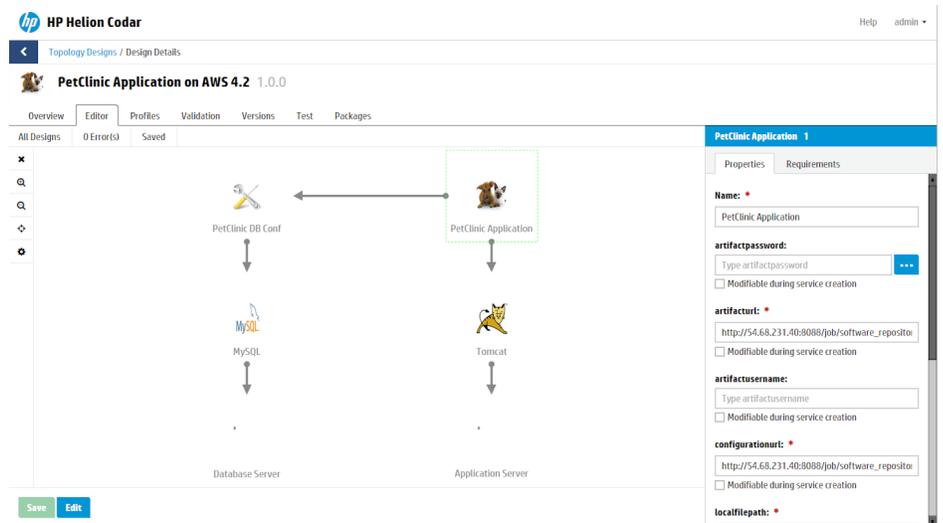

Figure 2: Use the same application model regardless of environment

Step 3: Deploy and manage applications

HPE Codar enables continuous delivery through out-of-the-box integration with Jenkins for fully automated continuous deployment. Gain visibility into different versions of the application throughout the lifecycle, and manage the pipeline by promoting and rejecting builds.

Figure 3: Maintain strict enforcement of requirements for promotion to the next lifecycle stage

HPE, DevOps, and the New Style of IT

HPE believes the benefits of DevOps—delivering real business value, faster and more frequently—are within reach of all enterprises regardless of application or pipeline.
HPE solutions like HPE Codar are designed to help our enterprise customers break down the walls dividing operations, development, and business, paving the way for the New Style of IT.

Get started today

Getting started with HPE Codar is easy. Download the trial, and create your model for application release automation today. hpe.com/software/codar

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