

HPE and Docker—your DevOps dream team

HPE hybrid infrastructure and Docker platform

Ensure continuous DevOps delivery with an integrated Docker infrastructure and Dockerized tools

HPE and Docker—better together

- Transform to a hybrid infrastructure and optimize DevOps workloads in a dynamic continuous integration/continuous delivery (CI/CD) environment built on HPE’s Docker-ready servers; Docker integrated storage, networking, and monitoring tools; and a complete portfolio of Dockerized software assets.
- Accelerate application dev/test build times by 54 percent.
- Increase productivity by automating infrastructure provisioning.
- Reduce OPEX on virtualization software licensing.
- Ensure application portability across your hybrid infrastructure.
- Optimize the lifecycle workflow for applications and workloads at enterprise scale.
- Run Docker containers with HPE’s industry-leading composable infrastructure architecture with HPE OneView.
- Mitigate risk with standardized workload packages and a repeatable process with built-in security and control.



Deliver apps and services at the speed of business

With up to 90 percent of IT budgets being consumed by app testing, configuration, and distribution,¹ enterprises need a better way to support hundreds of daily builds using a CI/CD DevOps model.

That’s why Docker containers have become the developer’s new best friend for building, shipping, and running distributed apps—they are highly flexible, resource-efficient, and portable. By packaging the application and all its dependencies into a standardized unit for software development, containers ensure applications always run the same, irrespective of the environment. This capability accelerates dev/test build times, increases productivity, and reduces costs.

But to make the most of Docker containers, companies require a hybrid infrastructure

that supports the continuous delivery of new applications and services—quickly and cost-effectively.

Docker and HPE have joined forces to optimize

54% reduction in software build time²

the delivery of agile, next-generation apps and the modernization of traditional enterprise applications for greater flexibility, portability, and security. This new model provides application portability and control for unified deployment across any infrastructure—on-premises or in the cloud.

HPE’s portfolio of enterprise-class products and services allows you to run Docker containers in your environment to deliver the enterprise-grade apps and services you need—at the speed of business.

¹ “Growing Your Apps in Isolation” Bloomberg Business, 19 December 2014

² White paper, “Optimize DevOps with Docker and HPE BladeSystem.” HPE, November 2015

90%

Percentage of IT budget spent on testing, packaging, and distributing new software applications instead of on innovation³

54%

Reduction in software build time—from 74 to 34 minutes—by automating the provisioning of Docker containers with HPE OneView on bare metal HPE infrastructure⁴

³ "Growing Your Apps in Isolation" Bloomberg Business, 19 December 2014

⁴ White paper, "Optimize DevOps with Docker and HPE BladeSystem" HPE, November 2015

Our solution partner



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Power your right mix

Build agile foundations for your most strategic workloads and requirements

Modernizing workloads by running Docker containers on the industry's first HPE Docker ready servers simplifies the DevOps process. It reduces costs, increases agility, enables portability, and mitigates risk by automating the workflow for building, testing, deploying, monitoring, and managing Docker applications and workloads at enterprise scale.

Treat infrastructure as code for bare metal infrastructure or virtual machine provisioning

Utilizing the Docker Machine plugin for HPE Composable Infrastructure, HPE OneView automates the secure provisioning of Docker technologies on bare metal infrastructure—pre-tested, Docker ready HPE ProLiant, HPE Apollo, and HPE Cloudline servers—or on virtual machines, simplifying and streamlining repeatable, lifecycle management of Dockerized applications.

Deploy Docker integrated applications requiring persistent storage

Applications—such as databases—that require persistent storage can be deployed on flash-optimized HPE 3PAR StoreServ Storage arrays and HPE StoreVirtual software-defined storage in OpenStack® software environments using Flocker open source software from ClusterHQ.

Optimize the network to connect container-based applications

HPE Distributed Cloud Networking and the Docker networking plug-in help you accelerate DevOps by automating physical and virtual multi-tenant network infrastructure provisioning.

Deliver agility, portability, and control with IT operations management

Fully integrated with Docker APIs and the Docker plug-in framework, HPE Codar, HPE Operations Bridge, HPE CMS (Universal Discovery and UCMDB), and HPE Helion

Cloud Suite work with Dockerized applications to help accelerate transformation to a hybrid infrastructure.

Test, run, and monitor Dockerized applications with confidence

HPE StormRunner, HPE AppPulse Trace, and HPE SiteScope enable monitoring of the health and performance of Dockerized applications and microservices with full transaction tracing across both cloud and traditional backend systems. HPE Helion Stackato delivers a complete development environment for traditional and cloud-native applications, with HPE Application Defender protecting production applications from the inside.

Mitigate risk and accelerate adoption of DevOps with expert services

Leverage HPE expertise, best practices, and agile processes to modernize and automate your workloads, moving them to a Dockerized cloud environment to enable and accelerate DevOps integration. Unified, enterprise-grade, 24x7 support offers a single point of contact for access to a global network of specialists.

HPE and Docker solutions— from data center to the cloud

The HPE and Docker alliance allows you to embrace and extend your Docker capabilities with a comprehensive set of enterprise-grade tools and services. This enables you to build, ship, and run your Docker environment at enterprise scale on a hybrid infrastructure. Docker ready servers and Docker integrated products ensure the continuous integration and delivery of new distributed applications and services, modernizing your data center at the speed of NOW!

- Build Docker applications faster.
- Scale Docker applications quicker.
- Run Docker applications anywhere.

Learn more at hpe.com/partners/docker

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