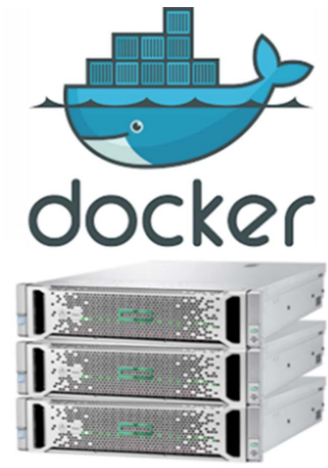
Hewlett Packard Enterprise



HPE SimpliVity 380

Express Containers with Docker is a container-as-a-service platform delivered jointly by Docker and HPE experts to accelerate your DevOps.

- Increase agility and developer productivity by accelerating application release frequency and time-to-value
- This pre-integrated hardware, software, and services solution delivers an out-of-the-box experience with best practices to lower costs and implementation risk
- Based on the HPE SimpliVity 380 platform, it gives IT the benefits of HPE Hyper Converged Systems—data efficiency, built-in data protection, and global unified management
- Services from **HPE Pointnext** and **partners** help you realize public cloud economics and scalability with subscription-based pricing, capacity-on-demand, and on-premises control and governance

[1] Docker adoption doubled from 13% in 2015 to 27% in 2016. Docker also saw more than 2X growth-14% to 29%. Source: use the listed source.

Private Cloud containers in minutes!

Express Containers with Docker

Accelerate and modernize business services delivery with a hyper-converged container-as-a-service platform.

Deliver innovation faster

Innovation is driving unprecedented demand for cloud-native applications and market competition requires businesses to bring these innovations to market in real-time. Open source, VMs, containers and continuous integration and continuous development (CI/CD) best practice methodologies, and automation are essential to driving agility in business innovation pipeline, that is, application service delivery.

In today's digital environment, you need to:

- Develop and deploy apps faster than ever before
- Modernize your data center platforms to support DevOps processes
- Gain greater control over software development practices
- Scale your apps across a **hybrid IT** infrastructure

To meet these demands, more and more enterprise application workloads are being developed, tested, and deployed on containers as it enables you to:

- Build, test, and deploy applications faster
- Increase developer productivity
- Secure your application environment
- Build once and port anywhere

Docker is one of the fastest growing DevOps tools. By running Docker inside a VM on **HPE SimpliVity 380**, DevOps teams gain the application portability and efficiency benefits of Docker, the security and manageability benefits of VMware, and the service agility, price-performance and resiliency benefits of hyperconverged infrastructure.[1]

Accelerate your DevOps journey

Express Containers with Docker accelerates DevOps by creating a common framework for building, testing, and administering distributed applications, independent of languages, development tools, and system environments across the software development lifecycle. Docker improves collaboration by allowing developers, QA teams, and system administrators to share code efficiently, exchange content, and integrate applications to move from development to production in a seamless manner. It also enables DevOps teams to scale up development and test environments, quickly and cost-effectively. Docker benefits include:

- Efficiency: Containers are lightweight, start instantly and make more efficient use of compute resources
- Portability: Applications, dependencies, and configurations are all bundled together in a container ensuring seamless portability across hybrid IT environments
- Extensibility: Applications can be easily modified, updated, or extended without impacting other containers and apps
- Flexibility: Developers have freedom to use any programming language and development tools they prefer

13X

More software releases[2]

62%

Report reduced MTTR[3]

20X

Better resource utilization[4]

Drive cloud-native container services in your enterprise

Enterprises, service providers, and public sector entities are already using or evaluating how open source container technologies can accelerate delivery of apps, reduce IT operations costs, and improve security. **Hewlett Packard Enterprise** offers services specifically designed to help address your individual requirements and objectives, and to build your container strategy, roadmap, detailed design, and container management platform. The cloud native container services from HPE Pointnext and partners are designed with the goal to deliver faster time to application delivery, reduce costs, and reduce the risk and challenges of adopting the latest container technology without disruption by making the container environment a part of your enterprise.

The Docker on HPE SimpliVity 380 advantage

Experts from HPE and Docker have collaborated to deliver Express Containers with Docker solution. The solution is optimized and aligned to best practices. Quite simply it provides a fast, simple, manageable, and affordable container-as-a-service platform. At the foundation, HPE SimpliVity 380 gives you:

- **Rapid deployment:** An 8-node HPE SimpliVity 380 cluster can be deployed in as less as one hour from power on.[5] Then our engineered Docker architecture can be built out on top of the hyperconverged infrastructure allowing your container platform to be developer-ready in hours not weeks.
- **Reduced risk:** Tested on the HPE SimpliVity 380 appliance, and supported jointly by Hewlett Packard Enterprise and Docker to reduce your risk.
- **Scalability and extensibility:** Enables you to expand your environment by adding capacity, either locally or remotely, with no downtime disruption.
- **Data efficiency:** Inline data deduplication, compression, and optimization on all data at inception across all phases of the data lifecycle reducing capacity needs. Customers are guaranteed a 10:1 data efficiency with up to 40:1 achievable while increasing application performance.[6]
- **Built-in data protection:** Native data protection functionality, enabling business continuity and disaster recovery for critical applications and data while eliminating the need for special-purpose backup and recovery solutions. The inherent data efficiencies minimize I/O and WAN traffic, reducing backup and restore times from hours to minutes.
- **Global unified management:** A virtual machine (VM)-centric approach to management eliminates manually intensive, error-prone administrative tasks. System administrators are no longer required to manage LUNs and volumes; instead, they can manage all resources and workloads centrally, using the familiar VMware® vCenter™ interface.

Express Containers with Docker is built for the Future

Hewlett Packard Enterprise and its partners have decades of experience helping organizations transform their IT and business processes successfully.

Our teams are experienced in building application environments, delivering open source platforms, and integrating traditional, cloud-native, and DevOps technologies. Working jointly with Docker and our partner eco-system, Hewlett Packard Enterprise helps you move ahead of your competition by leveraging our combined technologies and experience to reduce risk, optimize costs, and accelerate innovation with a private cloud solution that offers public cloud economics through subscription pricing and capacity on demand—HPE Flexible Capacity Service.

Contact your preferred HPE solution provider to begin your transformation to an agile, flexible, and secure containerized DevOps environment.

Learn more at
hpe.com/info/hybridit
hpe.com/services
findapartner.hpe.com

[2], [3], [4] Evolution of modern supply chain, The Docker Survey 2016 **goto.docker.com/rs/929-FJL-178/images/Docker-Survey-2016.pdf**

[5] ESG Lab validation report, February 2016 **simplivity.com/wp-content/uploads/ESG-Lab-Validation-Simplivity-Hyperconverged-Infrastructure-October-2015.pdf**

[6] TechValidate study, April 2016

a00008252ENW, October 2017, Rev. 3