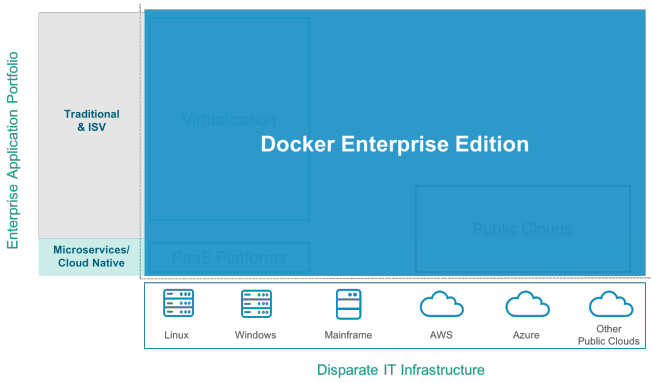
Docker Overview

Enterprise Containers-as-a-Service Platform

IT organizations are under pressure to modernize for the digital era, but are constrained by having multiple infrastructure and technology stacks to maintain. Docker Enterprise Edition (EE) is the only Containers-as-a-Service platform for IT that manages and secures diverse applications across disparate infrastructure, both on-premises and in the cloud. Docker EE fuels innovation by bringing traditional applications and microservices built on Windows, Linux or mainframe into a single, secure software supply chain, accelerating application delivery by 13x. Docker EE also delivers an infrastructure-independent operating model, enabling multi-cloud portability while reducing total costs by more than 50 percent. With Docker, organizations can modernize applications, infrastructure and operational models by bringing forward existing IT investments while integrating new technology at the rate of business.

Docker Enterprise Edition: An Engine for Innovation

Enterprise organizations have increasingly fragmented infrastructure landscapes with x86 servers, mainframe, and multiple private and public clouds to manage. A RightScale study shows that the average number of IT platforms (public clouds, private clouds, and other on-premises infrastructure) has increased from 6 to 8 in just one year[1]. This fragmentation increases the pressure on your IT budget, making it harder to focus on innovation as your resources are spread thin.



Docker EE helps organizations deliver new innovations faster, more securely, and across a broader set of the application portfolio by creating a single, secure, software supply chain that works with multiple infrastructure platforms. Containers accelerate software development by making it easier to move applications from development, through test and QA, to production. Docker EE further streamlines the application delivery process by packaging different kinds of applications—traditional, packaged, microservices, Windows, Linux, and mainframe—into a uniform format that brings diverse teams into the same application delivery process, regardless of both the application type and destination platform. This enables organizations to respond more quickly to market changes while also adding a layer of security to applications and processes.

Preserve Existing Investments

IT organizations continue to spend about 80% of their annual budget on simply maintaining their existing applications while only spending 20% on innovation. That ratio has not changed over the last decade.

[1] RightScale: 2016 and 2017 State of the Cloud Report

AT A GLANCE

Launched
March 13, 2013

Headquarters
San Francisco

Leadership team
Steve Singh, CEO
Solomon Hykes, Founder and CTO
Mike Gupta, CFO
Scott Johnston, COO
Roger Egan, SVP Sales and Channels
Iain Gray, SVP Customer Success
David Messina, SVP Marketing

Awards

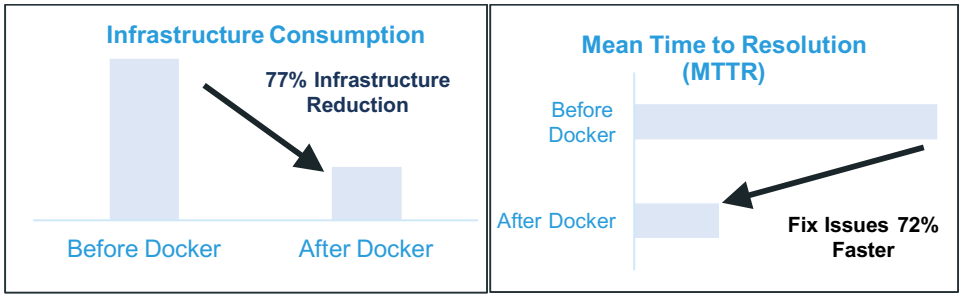
InfoWorld Technology of the Year 2015 & 2016 & 2017

CRN 100 Coolest Cloud Computing Vendor

CRN 2016 Tech Innovator Award – Container Technology

JAX Innovation Award 2016

To shift more investment into innovation, organizations need to reduce the costs of maintaining their existing applications.



Containers are more resource efficient than virtual machines alone. Docker EE delivers additional server consolidation and increased application density from the ability to support multiple platforms—Linux, Windows, and mainframe—in the same environment. When combined with the ability to securely segment applications across these hybrid environments, IT administrative overhead is decreased and organizations increase their overall utilization of available resources while still maintaining application security and isolation.

Docker EE also reduces ongoing operational costs by improving the way applications are deployed and maintained. This helps to keep applications more secure while reducing the overall time it takes to maintain the portfolio.

A Solution for the Enterprise

A large financial services organization considered how Docker EE would impact their existing environment of 500 production and non-production applications. They found that Docker would save them 41% on their Total Cost of Ownership (TCO) or $28 million over the course of five years while allowing them to gain application portability to support their multi-cloud objectives.

Table 1. ROI Analysis of Large Financial Services Firm

Before Docker	After Docker	Impact
5,300 VMs	1,320 VMs	**75% reduction**
22,000 cores	13,100 cores	**40% reduction**
57% CPU utilization	90% CPU utilization	**2x improvement**
$16M annual costs	$7M annual costs	**56% reduction**

Results in Five Days

Docker EE delivers application modernization without disruption to existing IT processes nor environments. Delivered in conjunction with enterprise partners Avanade, Cisco, HPE and Microsoft, Docker offers a turnkey program to help organizations realize the value of Docker EE by modernizing an existing application in just five days. To learn more about the Modernize Traditional Apps program and how to get started with Docker EE, contact sales at https://www.docker.com/contact or register for more information at https://www.docker.com/mta.

docker

www.docker.com

Enterprise Alliances

- Canonical
- Cisco
- Cloudera
- HPE
- IBM
- Microsoft

docker CERTIFIED

Infrastructure:

- Amazon Web Services
- CentOS
- Microsoft Azure
- Microsoft Windows Server 2016
- Oracle Linux
- Red Hat Enterprise Linux
- SUSE Linux Enterprise Server
- Ubuntu

Plugins & Containers from:

- Cisco
- Dell EMC
- HPE
- Microsoft
- NetApp
- Oracle
- VMware
- And others…