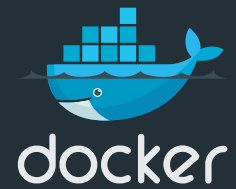


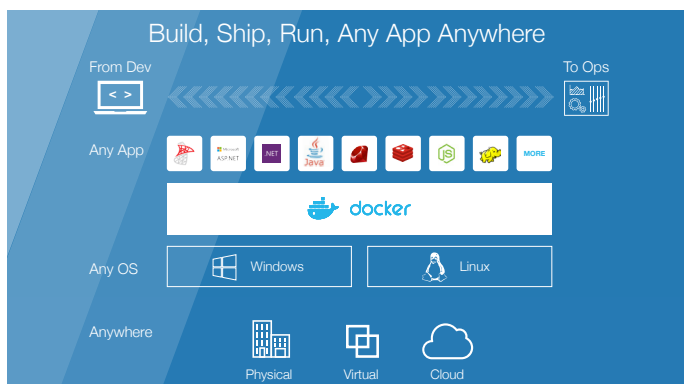
Docker and Microsoft

Build, Ship and Run, Any Application, Anywhere



Industry trends like the shift to cloud, microservices, the rise of DevOps, and containerization have revolutionized how modern enterprises architect their application environments. Many solutions only address a specific applications and pain points or lock-in enterprises under the guise of control. Docker mission is to provide a Containers-as-a-Service (CaaS) platform for organizations to securely build, ship, and run any application, across any infrastructure - from desktop to datacenter to public cloud.

The Docker CaaS provides a framework for organizations to unify the variety of systems, languages and tools in their environment and apply the level of control, security or freedom required for their business. As a Docker native solution with full support of the Docker API, Docker CaaS can seamlessly take any application from local development to production without changing the code. Organizations benefit from a truly flexible hybrid cloud solution where they can easily move applications from physical machines, to VMs, to the datacenter, to any cloud and back again.



Docker Containers-as-a-Service Platform provides:



Agility - Developers can quickly onboard and build applications with the stack and tools of choice and deploy them without any of the “works on my machine” headaches of before. IT Pros benefit from a standardized the environment with a separation of infrastructure and applications making new deployments, changes, roll backs fast and easy.



Portability - Developers and IT Pros can frictionlessly ship any application from development to production with full stack application portability to any cloud and any infrastructure with open APIs for a flexible pluggable architecture.



Control - IT pros can set the appropriate level of control and flexibility to maintain service levels, performance and regulatory compliance. IT teams can securely provision, orchestrate, manage, and deploy container based applications, at scale.

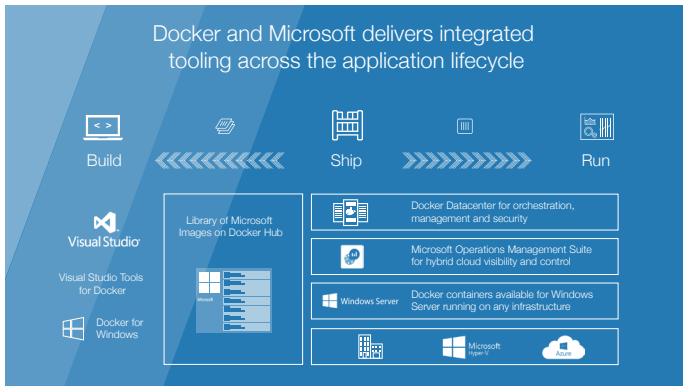
Docker gives developers and IT pros a consistent application journey for Windows and Linux applications without the worry of breaking systems or each other’s workflows across any environment. Businesses are empowered to operate at the speed of innovation, allowing developers to ship more software faster and IT pros the control they require for a flexible and secure enterprise application environment.

Docker and Microsoft Together

Docker and Microsoft have partnered together to bring the agility, portability, and security benefits of the Docker platform beyond the Linux ecosystem to Windows developers and IT pros. The extensive partnership integrates across the Microsoft portfolio of developer tools, operating systems and cloud infrastructure including:

- Windows Server 2016
- Hyper-V
- Visual Studio
- Microsoft Azure

The Docker platform allows business to benefit from an agile container environment and standardize the enterprise application workflows with a single journey for all their applications.



Joint Solutions

Container Platform

Windows Server 2016 & Hyper-V Containers

Docker and Microsoft have partnered to bring the agility, portability, and security benefits of the Docker platform to every edition of Windows Server 2016. Windows Server 2016 enables the containerization of native Windows workloads on premises or in Hyper-V with enterprise support options from Microsoft for CS Docker Engine, backed by Docker, Inc.

Enterprise class business day (5x8) or business critical (24x7) support for CS Docker Engine with available SLAs and hotfixes and full support for Docker APIs are available in Windows Server 2016 Essentials, Standard, and Datacenter Editions.

Developers

Visual Studio

Microsoft and Docker are integrating their respective developer toolset together so that either that all developers can have a seamless experience. The integration of Visual Studio Tools for Docker and Docker for Mac provides complete desktop development environments for building Dockerized .NET apps.

IT Pros

Docker for Azure

Docker for Azure is an easy way to get started building, assembling, and shipping applications on Microsoft Azure. Docker for Azure is a native Azure application that provides an integrated, easy-to-deploy environment optimized to take advantage of the underlying Azure IaaS services while giving you a modern Docker platform that you can use to deploy portable apps. Docker for Azure does not require any software installed.

Docker Datacenter in Microsoft Azure Marketplace

With cloud templates pre-built for Docker Datacenter you can develop and run Dockerized applications directly in the Microsoft Azure Cloud in just a few steps. Docker Datacenter delivers greater efficiency of computing and operations resources with Docker supported container management and orchestration.

About the Partnership

The Docker, Inc. and Microsoft commercial partnership enables enterprises to modernize their application environments and create hybrid Windows applications using Commercially Supported Docker Engine (CS Docker Engine) and Docker Datacenter with Windows Server 2016. Organizations can deploy native Windows Server containers, powered by the production-ready CS Docker Engine, which is included in every edition of Windows Server 2016.

Resources

- www.docker.com/microsoft
- www.docker.com/enterprise
- www.docker.com/getdocker

www.docker.com

