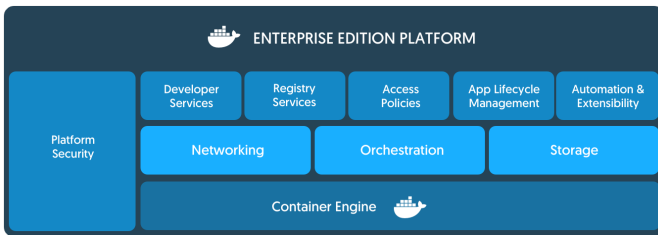


Docker Enterprise Edition

The Enterprise-Ready Container Platform



Docker Enterprise Edition (EE) is the only enterprise-ready container platform that enables IT leaders to choose how to cost-effectively build and manage their entire application portfolio at their own pace, without fear of architecture and infrastructure lock-in. Docker's container platform enables organizations to accelerate digital and multi-cloud initiatives by automating the delivery of legacy and modern applications using an agile operating model with integrated security. Because Docker EE includes services, support and training, organizations have a complete containerization strategy for supporting an ever-changing business environment.

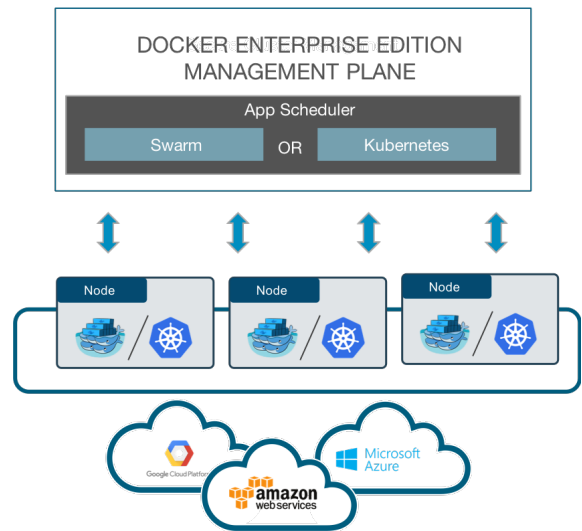


Docker Enterprise Edition Benefits

- **Freedom of Choice:** Docker EE is designed to give enterprises ultimate freedom to implement their multi-cloud strategy with no lock-in. With Docker you're free to innovate across any infrastructure, partner with any Linux vendor, and work with any application type or development language you choose.
- **Agile Operations:** Docker EE enables you to reduce costs and increase operational efficiency by standardizing the way to build, manage, and secure applications across diverse infrastructures including multiple clouds. Our platform unifies processes across any architecture, while aligning with your existing IT operations so you can get applications to market faster, reduce total costs and ease the adoption of new technology as business needs evolve over time.
- **Integrated Security:** Docker EE incorporates additional security at every step of the application

delivery lifecycle without getting in your way or adding extra cost. Applications receive greater protection while maintaining performance, improving governance while enabling a seamless workflow for centrally-managed content and policy-driven automation.

Freedom of Choice

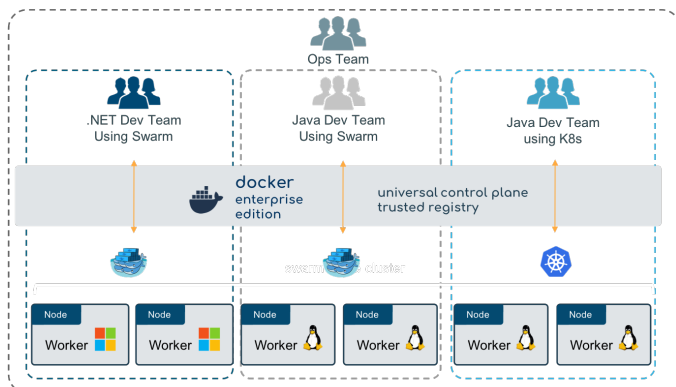


Docker EE allows enterprises to freely move applications between multiple infrastructure platforms in a consistent manner. Some key features that support this include:

- **Certified Infrastructure** - Docker EE is optimized and tested to setup easily and operate smoothly on multiple Linux distributions, Windows Server and leading cloud providers like Amazon Web Services and Microsoft Azure.
- **Choice of orchestration** - Docker EE is the only platform that runs both Swarm and Kubernetes simultaneously on the same cluster so developers do not need to make an orchestration choice and operations teams have the flexibility to choose orchestrators interchangeably.

- **Choice of infrastructure** - Gain the freedom to deploy anywhere today and move apps tomorrow. Docker EE is an infrastructure agnostic platform that can be installed on any physical, virtual or cloud infrastructure.
- **Full stack portability** - Docker EE is an application platform allowing developers to define networking, storage, secrets and more at the application level. A separation of concerns allows developers to define app configurations and IT to deploy them with either Swarm or Kubernetes and manage them on different infrastructures without recoding. Eliminate the “works of my machine” problem, once and for all.
- **Extensibility** - Docker EE provides open interfaces, drivers, webhooks and plugins to easily integrate to a variety of enterprise systems and processes. Certified Plugins and Containers provide an extra level of quality and assurance for production environments.

Agile Operations

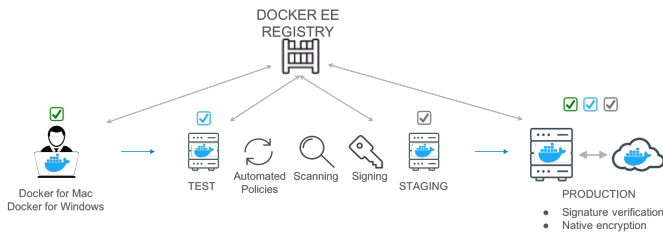


Docker EE is focused on making the management of a container environment very intuitive and easy for Infrastructure and Operations teams. This focus on the operational experience carries over to managing Kubernetes. Some key features include:

- **Unified management** – Manage all system components from an integrated web console including; users, containers, services, namespaces, controllers, load balancers, networks, volumes, secrets and nodes across both Swarm and Kubernetes. View cluster-level, pod-level or container-specific metrics and view detailed activity streams to audit usage.

- **Frictionless deployment** – Consistently deploy different types of applications with Docker Compose files to Swarm or Kubernetes with a few click directly from the UI. Simply point and click to scale and manage services. Or leverage Kubernetes YAML and deploy via UI or native CLI.
- **Simple cluster management** – A single command can create and join nodes to a cluster. Easily add, remove nodes or change roles to adjust to application requirements and get a highly available cluster for both Swarm and Kubernetes.
- **Rolling updates** – Gain confidence in deploying new features and updates with rolling updates. Available performance metrics allow teams to monitor progress and quickly rollback when necessary.
- **Enhanced access controls** – Integrate Docker EE with corporate LDAP/AD and manage roles and responsibilities to all system components including apps, nodes, secrets, networks and volumes. Leverage either pre-configured roles or design custom roles that align to existing organization processes.
- **RBAC for nodes** – Provide an additional layer of physical isolation by granting certain users or teams access to specific nodes. Applies to both Swarm resource collections and Kubernetes namespaces, enabling a “Bring Your Own Node” service model for IT services organizations.
- **Application health checks** - Improve reliability and resiliency with health checks for services. Configure the frequency of checks in the UI or in the image Dockerfile to ensure timely checks and reconciliation, if needed.
- **Integrated networking and routing** - Applications deployed with Swarm and Kubernetes both have access to “batteries included, but swappable” networking and routing solutions. Docker EE comes pre-installed with Project Calico as a highly scalable networking and routing solution, but users may swap this for their preferred Kubernetes CNI plug-in solution. For Swarm-deployed applications, Docker EE includes enhanced application layer routing and load balancing based on the Interlock 2.0 architecture.

Integrated Security



Docker Enterprise Edition delivers a secure software supply chain to applications deployed to both Swarm and Kubernetes by providing the following:

- **Secure image management** – Operate a private registry for secure storage and management of images and granular access control to repositories. Manage images versions, metadata, and optimize storage resources with garbage collection. Repositories can be marked as immutable to prevent inadvertent changes.
- **Image content cache** – Reduce latency and improve performance for remote development teams with remote (or satellite) caches to enable faster downloads of Docker images for distributed development teams.
- **Image mirroring** – “Push” or “pull” images from a repository in one registry to a repository in another registry for greater availability and consistency of application content across multiple sites.
- **Policy-based image promotion** – Define policies to automatically promote images from one repository to another repository within Docker Trusted Registry. Criteria can include tags, package names, vulnerabilities, or license review.
- **Connect multiple clusters to a single registry** – Build a globally consistent supply chain for distributed development teams by connecting multiple Docker EE clusters to a centralized registry. This ensures that organizations with a “follow the sun” development approach will seamlessly and securely share their software within a given team.
- **Automate workflows with webhooks** – Registry webhooks pass real-time information to 3rd party tools like CI/CD solutions. You can use Webhooks to cause an action in another application in response to an event in the registry.

In addition, there are several security features that ensure end-to-end security across the supply chain:

- **Runtime security** – Automatic mutual TLS ensures that the default mode of communication within the system is encrypted and protected. Built-in root Certificate Authority (CA) with automatic certificate rotation ensures systems remain secure and online. Support for external CAs and ability to configure rotation frequency provides teams with additional flexibility.
- **Integrated secrets management** – Securely store secrets (API key credentials, etc) encrypted at rest and in transit to only the exact app service that requires them to operate. Docker EE allows teams to easily create, manage and deploy secrets for app services on both Windows and Linux-based containers.
- **Image signing, verification and policy** – Docker Content Trust protects images from man-in-the-middle attacks while moving across the network. Users can cryptographically sign an image at build time, creating a record of who created or modified the image, and enforce policies before an application can be deployed to production.
- **Image scanning and vulnerability monitoring** – Docker Security Scanning ensures only high integrity applications are running in production. Docker Security Scanning indexes the components in both Windows and Linux DTR images and compares them against a known CVE database. When new vulnerabilities are reported, Docker Security Scanning matches the components in new CVE reports to the indexed components in your images, and quickly generates an updated report. Administrators can also control specific vulnerability scanning results.

Enterprise Support and Partner Ecosystem

Besides platform capabilities, Docker is committed to delivering an enterprise-grade experience. That includes:

- **Predictable releases and maintenance** – Proactively plan deployments and upgrades with a regular release cadence with one year of support per release. Software maintenance includes security patches and hotfixes back-ported to every version under support.

- **Support from the source** – Get support from the team that built the platform. Business Day (9am-6pm) and Business Critical (24x7x365) support plans are available with committed service levels from the Docker support team. Backed by the engineering team behind the Docker platform.
- **Professional Services** - Based on proven methodologies from working with our enterprise customers, Docker offers a set of Solution Architecture engagements to accelerate your containerization journey that goes beyond technology implementation. It is a complete approach that considers the people and processes involved, with services, training and support to guide you through your adoption journey.
- **Trusted Enterprise Partners** - Docker EE is available with Level 1 and 2 support through leading enterprise technology companies including Canonical, Cisco, Cloudera, HPE, IBM, and Microsoft, extending existing enterprise relationships.
- **Certified Containers** – Independent Software Vendors (ISV) package and distribute their software as containers for Docker EE. These containers are built with best practices, tested, scanned, and reviewed. Cooperative support from Docker and the ISV.
- **Certified Plugins** – Technology partners package and distributes their Networking and Volume Plugins as containers for Docker EE. Built with best practices and must pass a suite of API compliance testing, are scanned, and reviewed. Cooperative support from Docker and the plugin provider.

Get Started with Docker Enterprise Edition

Docker EE is available as a monthly or annual subscription inclusive of software and support.

Docker EE is available from Docker sales, online via Docker Store, with direct level 1 and 2 support from Alibaba, Canonical, Cisco, HPE, IBM, Microsoft, and a network of Docker Authorized Resellers.

Learn more at <https://www.docker.com/enterprise>

Try Docker Enterprise Edition

Experience Docker Enterprise Edition without installing any software through the Docker Hosted Trial. Get started at <https://trial.docker.com>.

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