Modernization without Disruption

With the latest release of Docker Enterprise Edition (EE), Docker extends its leadership by delivering a Container-as-a-Service (CaaS) platform that allows organizations to modernize a broad set of applications without disruption to their IT environments. This release brings new features and capabilities in three main areas:

- **Multi-architecture orchestration**: Docker EE is the only solution for modernizing Windows, Linux and Linux-on-mainframe applications across on-premises and cloud environments that doesn’t require code changes.

- **Secure multi-tenancy**: Organizations can align roles and responsibilities to their own needs, ensuring security and isolation across diverse teams and application types, while making it simple to onboard new teams.

- **Policy-based automation**: Docker EE provides organizations the ability to ensure security and compliance in a dynamic container environment by using pre-defined policies to automate the software supply chain.

Docker EE provides the ability to modernize Windows, Linux and Linux-on-mainframe applications and manage all of them in the same cluster. Organizations can centralize access controls, security policies, and logging, while supporting more teams and business units with these key new features:

- Support for full lifecycle management of Windows containers including image scanning, secrets management, and overlay networking

- Integrate Windows and Linux applications using overlay networking to support hybrid applications

- Ability to intelligently orchestrate across mixed clusters of Windows, Linux, and mainframe worker nodes

- With added support of Linux on IBM z Systems, Docker delivers a consistent experience (Compose files, networking, security, lifecycle management) across Linux, Windows, and Linux-on-mainframe applications.

Secure Multi-Tenancy

Modernization projects can come from many teams within an organization. The enhanced access controls
of Docker EE allow organizations to assign granular roles and responsibilities at both a physical and logical level to easily onboard new teams.

- Create custom granular roles or leverage built-in default roles
- Assign grants to users and teams for resource collections that include services, containers, volumes, networks, and secrets
- Leverage RBAC for nodes to segment a team’s access to a specific set of nodes within a Docker EE environment

**Policy-Based Automation**

Image management becomes increasingly complex as a Docker EE environment grows or as images become more dynamic. Docker EE allows organizations to secure and automate image management with pre-defined policies.

- Automatic image promotion uses pre-defined policies to move images from one repository to the next. Policies can be based on image scan results, tags, or licensing
- Immutable repositories prevent repository tags from being changed inadvertently, ensuring that production application repositories are secure and locked down
- New APIs for:
  - Access control permissions
  - User / Team / Org management
  - Cluster configuration

- Multi-stage builds provide a way to optimize image sizes by removing unnecessary components before they are moved to production

**Additional Enhancements**

- Batch-retrieve logs for the entire service
- Prune on an individual node by targeting or avoiding specific labels (e.g. label critical system or app resources)
- Healthcheck grace periods provides a delay before health check activates, which is useful for long startup times
- Define whether an old task is stopped before starting a new one, or if old and new tasks should overlap
- New Webhooks UI for setting up notifications to 3rd party and monitoring tools
- Chinese language support in the UI

**Try Docker Enterprise Edition**

Experience Docker Enterprise Edition without installing any software through the Docker Hosted Trial. Get started at [https://dockertrial.com](https://dockertrial.com)