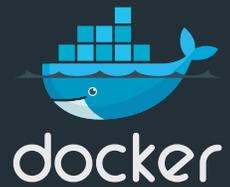# Docker Trusted Registry

Secure Collaboration on your Distributed Applications

Enterprise application teams are evolving to DevOps methodologies and distributed application architectures to not only accelerate software delivery but also reduce the rate of defects. Docker enables building distributed applications by eliminating the headaches of matrices of different language stacks, platforms tooling and infrastructure dependencies. Docker containers package an application and dependencies together and are isolated from the environment making them easily portable from one machine to another. The Docker image is the building block for these application containers - these images are built, shared, updated and deployed as containers.

A core part of the Docker solution, Docker Trusted Registry allows you to store and manage your Docker images on-premise or in your virtual private cloud (VPC) to meet your security or regulatory compliance requirements. Trusted Registry is part of the Docker Subscription that includes Docker Engine and commercial support for your Docker engines running in your environment. The registry is easy to deploy, configure and integrate with your internal services and developer workflows.
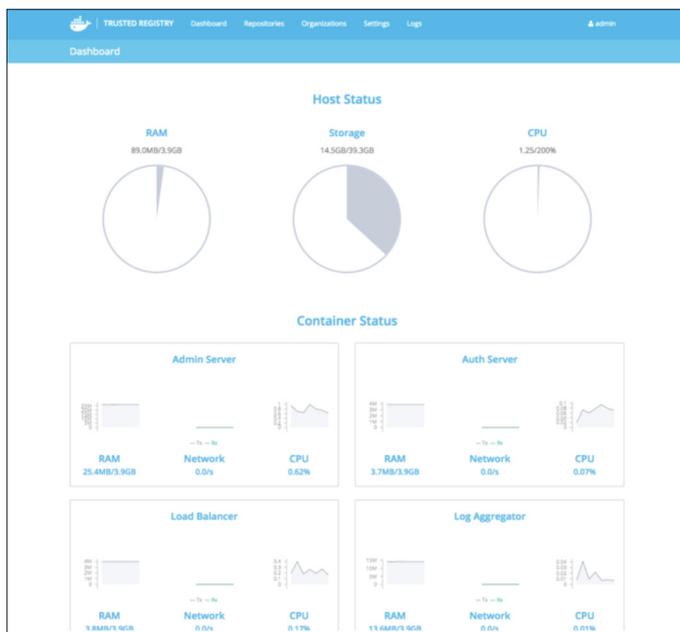

Feature Note: This is the web admin console. It gives you a holistic view of your registry service. It displays both your host status (RAM, Storage, CPU) as well as container status (Admin Server, Auth server, load balancer and log aggregator).

Deployment Flexibility

Docker Trusted Registry gives you the flexibility you need to deploy either on-prem or within your virtual private cloud (VPC) environment giving you control over where your Docker images are stored. Manage and distribute your Docker images from within your own firewall, for secure collaboration and data protection.

Trusted Registry is also available as integrated offerings in two leading cloud marketplaces, AWS Marketplace and Azure Marketplace. Your deployment is greatly simplified with pre-built AMIs or VHDs that you can easily launch and configure your Trusted Registry settings. ld. Trusted Registry supports a variety of storage backends for your Docker images. Support for S3, Azure, and your local filesystem provide flexibility and choice with your storage provider.
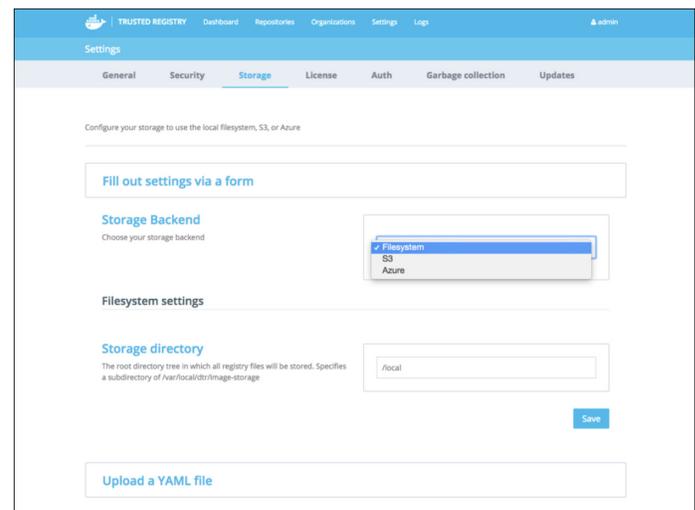
Feature Note: Select the storage backend that you would like to choose. Choose from S3, Azure, or your local filesystem.

Easy to Use and Manage

Great tools are not helpful if they are not easy to use. Trusted Registry gets you started fast with a quick, one-click install. Additionally, non-disruptive updates make it easy to apply the latest patches and releases, ensuring a secure and up to date environment.. Upgrading to the latest minor, patch, or major release is just a one-button click within the application. Additionally, developers can leverage the built in metrics and system health manager, all from within the web administrative console.
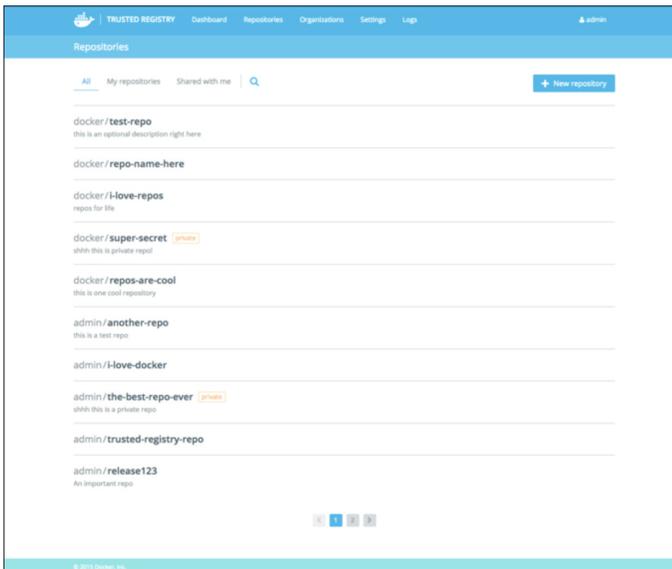

Feature Note: Within Trusted Registry you can use the search index to search and browse through all of the repositories within the registry.

Manage your Docker images and repositories in the web UI. Gain visibility across all the Docker content in your organization. The search and browse capability make it easy to find and view repositories or images. Repositories can be made public or private in your Trusted Registry with access granted to users as the administrator sees fit. To optimize your storage, Trusted Registry allows you to delete tags so they no longer appear in the UI for your users. These deleted tags are then handled by a garbage collection process to remove them from disk. You can customize the timing and frequency of garbage collection to one that works best for your organization.

Secure Access and Collaboration

Trusted Registry allows you to manually control who has access to the Docker images and the kind of access they have. The option for LDAP integration means users will authenticate directly against your organization's directory services when accessing Trusted Registry. Configure various access levels like admin, user or read-only permissions for your users and groups of users in organizations. Create organizations to group people together in teams and assign permissions to repos.. Trusted Registry also stores the user audit logs to track all user activity taking place within the system.
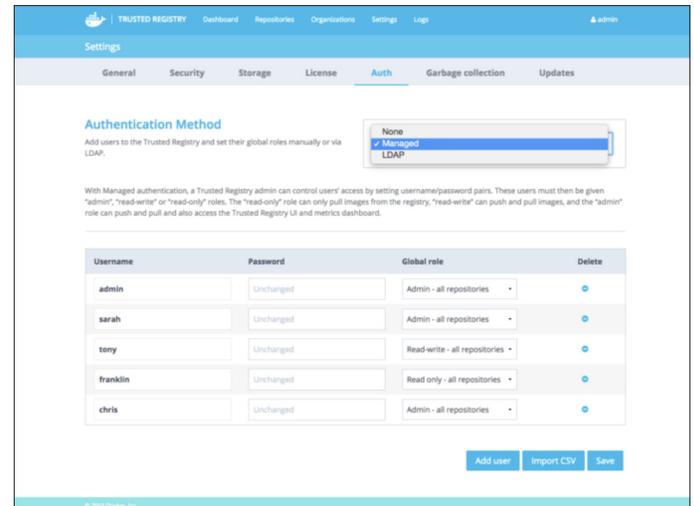
Feature Note: Trusted Registry provides flexibility in configuration to meet your team's needs. Configure your security settings, upload certificates, setup SSL for authentication and integrate existing technologies like directory services. You can run initial DTR logins against your current LDAP server to quickly assign role based access to developers. Implementing a least privilege strategy can drastically increase the security of your Docker images.

Commercial Subscriptions

Docker Trusted Registry is available within three subscription editions: Starter, Team and Production. Each subscription edition includes: Docker Trusted registry, commercial support for Docker engines, and customer support from the Docker team. Support can range from email to business critical, 24X7 customer support, based on the subscription edition you select.

Docker Trusted Registry - On prem registry for building, storing and managing images

Commercially supported Docker Engines - Recommended by Docker for use in application server clusters, these engines use the same source code as the open source Docker engines, but are supported and maintained with committed service levels, by the Docker team. With a subscription, customers receive patches, hot fixes and customer fixes based on their specific needs at agreed upon service levels.

Support from the Source - Receive email, phone and web support directly from the engineers that build Docker. Official technical support is only available through commercial subscriptions from Docker.

The Editions:

Starter Edition: This edition was built specifically for smaller organizations and developer teams looking to get their feet wet with Dockerizing their applications. The edition includes 1 private instance of Docker Trusted Repositories, up to 10 Commercially supported Docker Engines and collaborative email support from Docker.

Team Edition and Production Edition: These editions are meant for larger organizations looking to leverage the Docker platform within their environment. They include 1 or more private repositories, packs of 10 commercially supported Docker engines and support from the Docker team.

Get Started with Docker Trusted Registry

Docker Trusted Registry is great for small companies or application teams looking to get started with a Docker application environment. You can sign up for a free 30 day trial today.

For more information:

- Contact our sales team: www.docker.com/contact
- 30 day evaluation: www.docker.com/trial
- Purchase online: www.docker.com/BuyServerStarter

www.docker.com

docker