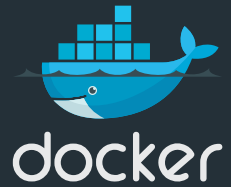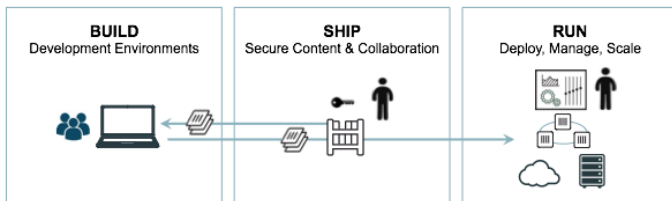# Docker Cloud

Build, Share & Collaborate

Application teams are evolving to distributed application architectures with Docker to accelerate software delivery. As application teams move their apps beyond test and into staging and production environments, IT operations teams require the ability to secure and manage the app and underlying infrastructure against customer service level agreements. Docker enables organizations to build, ship and run distributed applications anywhere. The key elements to "run" include the ability to provision, scale and manage infrastructure while monitoring, scaling and managing the application services.

Part of the Docker CaaS platform, Docker Cloud is a cloud service that allows development and IT operations teams to deploy and manage their Dockerized applications in production. Docker Cloud is a native Docker solution designed to deploy and manage Dockerized applications. With native integrations to Docker tools like Docker Hub and Docker Engine, Docker Cloud simplifies the entire process of provisioning nodes, installing Docker Engine and connecting to image repos on Docker Hub. A graphical and dashboard driven user interface simplifies the administrative and management tasks of deploying, monitoring, scaling and managing Dockerized applications.

Provision and Manage Docker Engine Clusters

Docker Cloud allows you to provision Docker installed infrastructure on cloud providers or your own physical servers to create Docker nodes. Securely link your cloud provider credentials or install the Docker Cloud agent onto your physical server. Then simply "create node clusters" in a few clicks. Give the node cluster a name, and then tag it with the appropriate tags and select the number of desired nodes in the cluster. The tagging system is used to aid your cloud provider in the scheduling of distributed containers in production. You can also specify things like: region,

VPC, subnet, security group, type/size, IAM roles number of nodes and lastly disk size. Once this information is inserted into the GUI, you can then launch your node cluster. Docker Cloud directly communicates with your cloud service provider to provision the hosts and install Docker Engine on them.
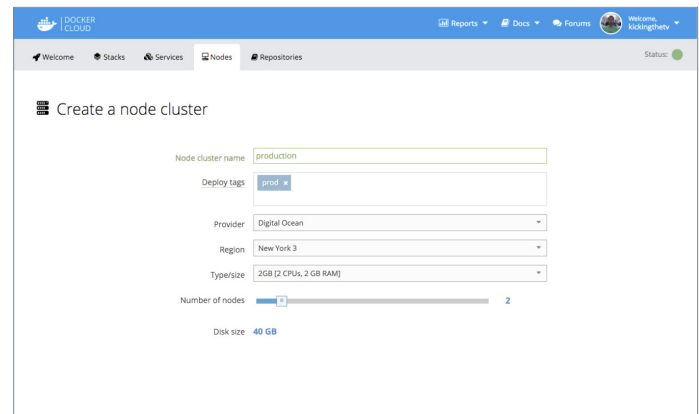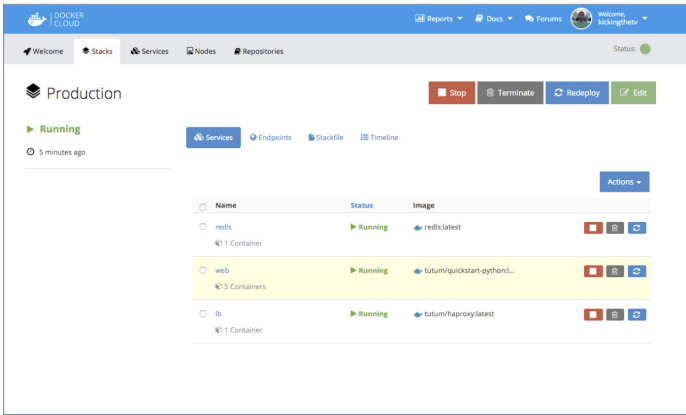

Feature Note: Docker Cloud is integrated with the following cloud providers for integrated provisioning and management; AWS, Azure, DigitalOcean, Packet and Softlayer. You can also manage nodes on infrastructure that is not natively supported within Docker Cloud (I.e Google Cloud, Rackspace) or any physical Linux servers that connect to the internet.

Deploy and Manage Apps Anywhere

Docker Cloud enables you to deploy applications into your clusters, monitor and manage them. Deploy individual services from a single Docker image or deploy a multi-container stack. Docker Cloud automatically load balances your applications across your node cluster.
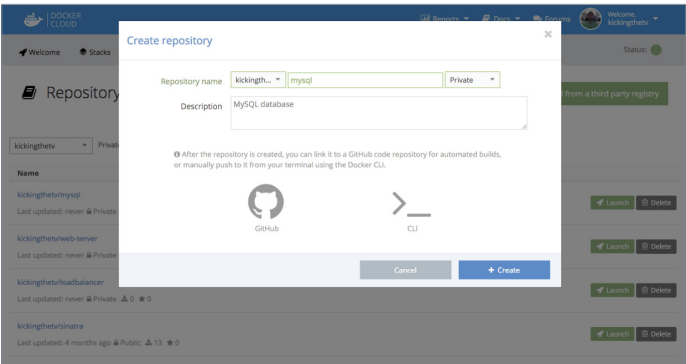
Quickly and easily make changes to applications. Docker Cloud lets you configure your environment so that changes are first made within the staging environment, and are then reflected in the Production environment once approved by the system admins within your enterprise. Point and click to stop the application, make a change and re-deploy the application. Easily scale the number of containers in a service or application stack. Monitor the application with system dashboards and integrated service history.

The Docker Cloud Subscription

Built for SaaS shops, the Cloud subscription enables companies to leverage Docker SaaS tools. These solutions are core to the Docker CaaS platform, empowering smaller companies to create, store, manage and deploy their dockerized distributed applications, quickly. Built to give developers the agility and portability they need and IT operations the control they require, the subscription provides enterprises with an easy to use platform to build, ship and run their applications, anywhere.

Feature Note: Docker Cloud allows you to easily make updates to your applications. With options like step, terminate, redeploy and edit, SaaS teams have the tools they need to be agile.

Integrated Image Repos

Your Docker Hub repos will automatically show up in Docker Cloud, and you can create both private and public repos right from within the dashboard. You can use your own repos or browse the public and Official images from within Docker Cloud to start building your applications. Docker Cloud works well with your existing application development process to streamline your Continuous Integration (CI) to Delivery (CD) pipeline.   Use webhooks to enable Docker Cloud to automate builds, integrate to CI/CD systems, push to your registry and deploy your application. You can configure triggers to scale or redeploy containers or enable capabilities that automatically deploy, restart or destroy your containers.

Name	Docker Cloud	Docker Hub
Description	Docker Cloud allows users to manage, deploy and scale their applications in any environment. The tools provision Docker installed software into nodes, creating Dockerized node clusters. The native integration with the Docker Hub registry allows IT reams to pull images from Hub into Tutum and then monitor and scale applications	Docker Hub, a SaaS service for storing and distributing images and is hosted by Docker. Today, over 1.4 billion images have already been pulled from Hub, making it one of the most widely used registry in the world.
Features	• Provision Docker Installed Infrastructure • Manage node clusters • Pull images from Docker Hub • Deploy containers across nodes • Monitor and scale applications	• Automated builds • Webhooks • Nautilus (experimental) image scanning • Role based access control

Get Started Today

With a Docker Cloud Subscription you are getting a fully Dockerized platform, brought to you buy the world-class engineering and Products team we have here at the company

Interested in learning more about the Docker Cloud subscription? Visit our website https://www.docker.com/pricing

$15 / node / month

Metered at $.02 / node hour

Docker Cloud
(1 free node)

Docker Hub
(1 free repo)

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