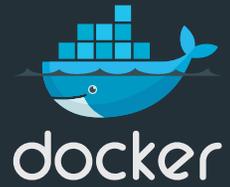


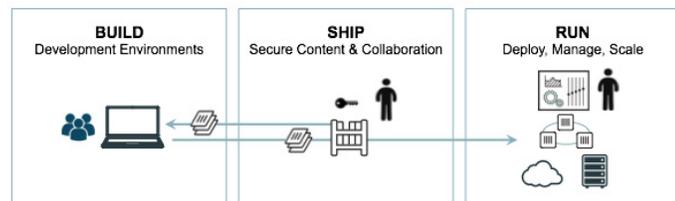
# Docker Cloud

Containers-as-a-Service in the Cloud



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 their apps and underlying infrastructure in accordance with 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.

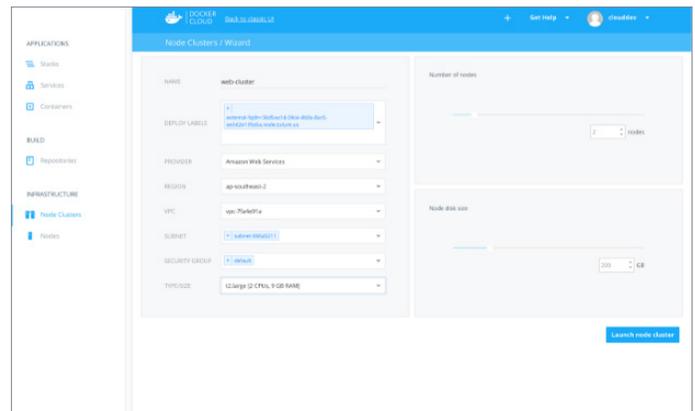
An integral part of the Docker CaaS platform, Docker Cloud is a Docker native cloud service that allows development and IT operations teams to deploy and manage their Dockerized applications in production. With native integrations to Docker tools like Docker Hub and Docker Engine, Docker Cloud simplifies 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 by Docker Cloud to target the scheduling of your containers, whether that’s in staging or 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 has been defined, 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.

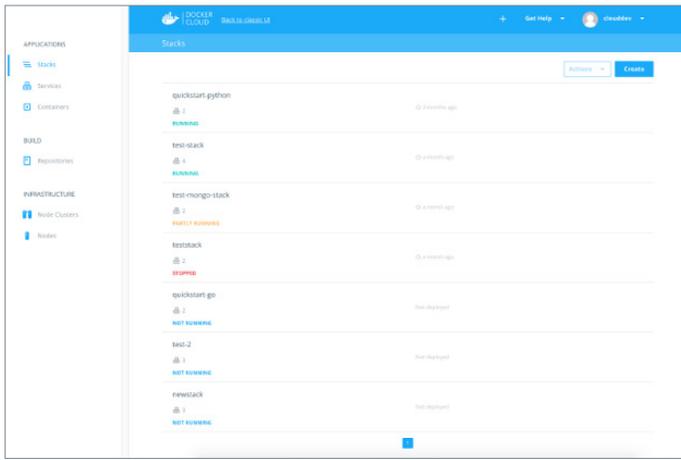


**Feature Note:** Docker Cloud natively integrates with the following cloud providers for provisioning and management: AWS, Azure, DigitalOcean, Packet and Softlayer. You can also manage nodes on infrastructure that is not natively supported within Docker Cloud (I.e Google Cloud, Rackspace) or any physical Linux servers that connect to the internet by using the “Bring your own node” features.

## 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. With Docker Cloud, it’s easy to load balance your applications across your node cluster and even cloud providers.

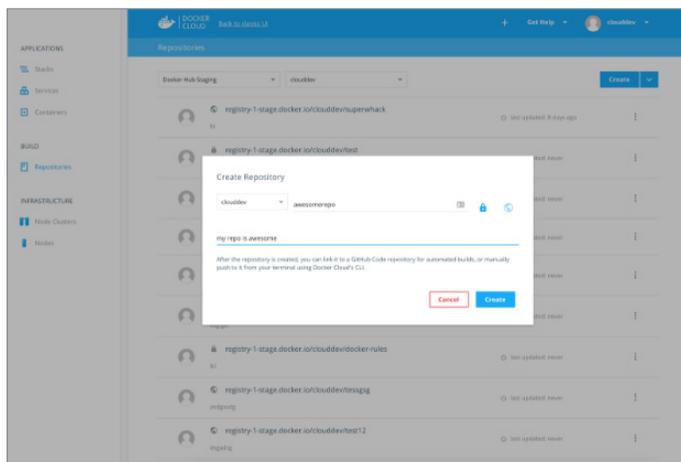
Quickly and easily make changes to applications. Docker Cloud lets you configure your environment so that changes are first made within the staging environment, and are then reflected in the Production environment once approved by the system admins within your enterprise. Point and click to stop the 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.



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

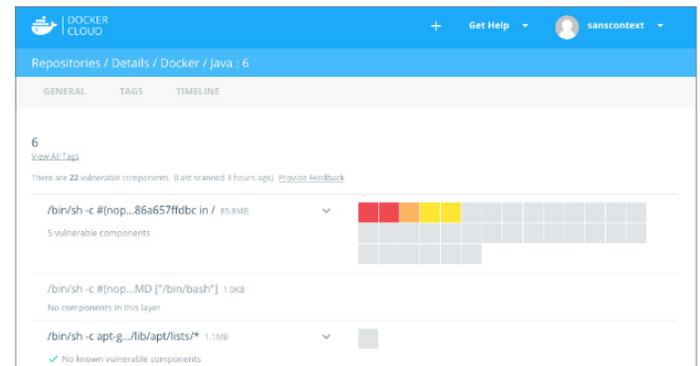
## Integrated Image Repos

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.



## Image Scanning for Secure Base Content

Securing the software supply chain is one of our most important goals here at Docker. Docker Security Scanning, our image scanning solution performs a binary scan of the images (at a layer level) within your Docker Cloud private repos, on push, creating a security profile for each image. The tool notifies users of any vulnerabilities that exist, the level of criticality of each, and can do so on a layer by layer basis. Because of this, the tool is a key component of securing image content. This ensures that developers are starting with secure base content when they build applications and provides the actionable intelligence that IT operations teams need to maintain a secure IT environment.



**Feature note:** Docker Security Scanning provides visual output data of each of the individual layers within a scanned image. It displays all known (based on CVE database) vulnerabilities that exist within an image layer on a color-coded basis. Yellow is minor, orange is critical, and red is severe.

## 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.

Name	Docker Cloud	Docker Hub
Description	Docker Cloud is a SaaS service, hosted by Docker. It enables users to manage, deploy and scale their application in any environment. The tool provisions Docker installed software onto nodes, creating Dockerized node clusters. The native integration with the Docker Hub registry allows IT team to view their private repos from within Docker Cloud or Docker Hub, and pull images into Docker Cloud. Application can then be monitored and scaled appropriately.	Docker Hub is a SaaS registry service that is hosted by Docker. Hub enables teams to store, secure and distribute images. Today, over 3 billion image pulls have been made from the Docker Hub, and it has over 400,000 unique users. Hub is one of the most widely used registry services in the world.
Features	<ul style="list-style-type: none"> <li>• Provision Docker Installed Infrastructure</li> <li>• Create and manage node clusters</li> <li>• Native integration with Docker Hub for viewing and pulling images</li> <li>• Deploy applications across Dockerized node clusters</li> <li>• Monitor and scale out application</li> <li>• Docker Security Scanning to ensure secure images</li> </ul>	<ul style="list-style-type: none"> <li>• Automated builds to speed the application delivery pipeline</li> <li>• Webhooks for altering of new images pushed to Hub</li> <li>• Role-based access controls for increased user security</li> <li>• Native integration with Docker Cloud.</li> </ul>

## Get Started Today

With a Docker Cloud Subscription you are getting a fully Dockerized platform, brought to you by the world-class Engineering and Products teams we have here at the company.

Get started with Docker Cloud today!

Visit <https://cloud.docker.com/>

**\$15 / node / month**

**Metered at \$.02 / node hour**

**Docker Cloud**  
(1 free node)

**Docker Hub**  
(1 free repo)

[www.docker.com](http://www.docker.com)

