

Red Hat OpenShift Container Platform

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Discussion

Red Hat OpenShift Container Platform is an enterprise Kubernetes-based container platform for deploying, running, managing, and securing containerized applications and supporting platform services.

Red Hat OpenShift Container Platform includes Kubernetes orchestration capabilities together with platform services for installation, configuration, networking, security, observability, software delivery, and cluster lifecycle management.

Within Crucible, Red Hat OpenShift Container Platform can serve as a [Deployment Platform](#) on which Crucible creates and manages container-based Infrastructure Environments.

Red Hat OpenShift Container Platform can itself operate on another Deployment Platform, including Amazon Web Services, Microsoft Azure, Google Cloud Platform, VMware vSphere, or Bare-Metal Infrastructure. An OpenShift Deployment Platform and its underlying infrastructure platform therefore represent separate architecture layers.

Definition

enterprise Kubernetes-based container platform provided by Red Hat for deploying, running, and managing containerized workloads and platform services

Source

- [Red Hat, OpenShift Container Platform Documentation](#)
- [Red Hat, OpenShift Container Platform Overview](#)

Note

The shortened name **OpenShift** can refer to a broader Red Hat product family. **Red Hat OpenShift Container Platform** identifies the specific platform addressed by this definition.

Red Hat OpenShift Container Platform can operate in Connected, Disconnected, and Air-Gapped Environments when its required software, images, repositories, and update resources remain available through authorized mechanisms.

Example

Crucible creates an OpenShift Infrastructure Environment containing cluster nodes, networking, storage, operators, security policies, registries, and platform services from an approved Infrastructure Baseline.

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