



OpenShift Dedicated 4

What's new

Highlights of what is new and what has changed in Red Hat OpenShift Dedicated

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Abstract

The release notes for Red Hat OpenShift Dedicated summarize all new features and enhancements, notable technical changes, major corrections, and any known bugs upon general availability.

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CHAPTER 1. WHAT'S NEW WITH OPENSIFT DEDICATED

With its foundation in Kubernetes, OpenShift Dedicated is a complete OpenShift Container Platform cluster provided as a cloud service, configured for high availability, and dedicated to a single customer.

OpenShift Dedicated is professionally managed by Red Hat and hosted on Google Cloud Platform (GCP) or Amazon Web Services (AWS). Each OpenShift Dedicated cluster includes a fully managed [control plane](#) (Control and Infrastructure nodes), application nodes, installation and management by Red Hat Site Reliability Engineers (SRE), premium Red Hat Support, and cluster services such as logging, metrics, monitoring, notifications portal, and a cluster portal.

OpenShift Dedicated clusters are available on the [Hybrid Cloud Console](#). With the Red Hat OpenShift Cluster Manager application, you can deploy OpenShift Dedicated clusters to either on-premises or cloud environments.

1.1. NEW CHANGES AND UPDATES

1.1.1. Q3 2024

- **Support for GCP A2 instance types with A100 80GB GPUs.** OpenShift Dedicated on Google Cloud Platform (GCP) now supports A2 instance types with A100 80GB GPUs. These instance types meet the specific requirements listed by IBM Watsonx.ai. For more information, see [Google Cloud compute types](#).
- **Expanded support for GCP standard instance types.** OpenShift Dedicated on Google Cloud Platform (GCP) now supports standard instance types for control plane and infrastructure nodes. For more information, see [Control plane and infrastructure node sizing and scaling](#).
- **OpenShift Dedicated regions added.** OpenShift Dedicated on Google Cloud Platform (GCP) is now available in the following additional regions:
 - Melbourne (**australia-southeast2**)
 - Milan (**europa-west8**)
 - Turin (**europa-west12**)
 - Madrid (**europa-southwest1**)
 - Santiago (**southamerica-west1**)
 - Doha (**me-central1**)
 - Dammam (**me-central2**)

For more information on region availabilities, see [Regions and availability zones](#).

1.1.2. Q2 2024

- **Cluster delete protection.** OpenShift Dedicated on Google Cloud Platform (GCP) users can now enable the cluster delete protection option, which helps to prevent users from accidentally deleting a cluster. For more information, see [Creating a cluster on GCP with CCS](#).
- **CSI Operator update.** OpenShift Dedicated is capable of provisioning persistent volumes (PVs) using the Container Storage Interface (CSI) driver for Google Compute Platform (GCP)

Filestore Storage. For more information, see [Google Compute Platform Filestore CSI Driver Operator](#).

- **Support for new GCP instances.** OpenShift Dedicated now supports more worker node types and sizes on Google Cloud Platform. For more information, see [Google Cloud compute types](#).

1.1.3. Q1 2024

- **OpenShift Dedicated regions added.** OpenShift Dedicated on Google Cloud Platform (GCP) is now available in the Delhi, India (**asia-south2**) region. For more information on region availabilities, see [Regions and availability zones](#).
- **Policy constraint update.** OpenShift Dedicated on Google Cloud Platform (GCP) users are now allowed to deploy clusters with the **constraints/iam.allowedPolicyMemberDomains** constraint in place. This feature allows users to restrict the set of identities that are allowed to be used in Identity and Access Management policies, further enhancing overall security for their resources.

1.1.4. Q4 2023

- **Policy constraint update.** OpenShift Dedicated on Google Cloud Platform (GCP) users can now enable UEFISecureBoot during cluster installation, as required by the GCP ShieldVM policy. This new feature adds further protection from boot or kernel-level malware or rootkits.
- **Cluster install update.** OpenShift Dedicated clusters can now be installed on Google Cloud Platform (GCP) shared VPCs. For more information, see [Creating a cluster on GCP with CCS](#).
- **OpenShift Dedicated on Google Cloud Marketplace availability.** When creating an OpenShift Dedicated (OSD) cluster on Google Cloud through the Hybrid Cloud Console, customers can now select Google Cloud Marketplace as their preferred billing model. This billing model allows Red Hat customers to take advantage of their [Google Committed Use Discounts \(CUD\)](#) towards OpenShift Dedicated purchased through the Google Cloud Marketplace. For more information, see [Creating a cluster on GCP with Google Cloud Marketplace](#).