Supported configurations for Cloud Volumes ONTAP 9.9.0 in GCP

Cloud Volumes ONTAP

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Supported configurations for Cloud Volumes ONTAP 9.9.0 in GCP

Several Cloud Volumes ONTAP configurations are supported in GCP.

Supported configurations by license

Cloud Volumes ONTAP is available in Google Cloud Platform as a single node system and as a high-availability (HA) pair of nodes for fault tolerance and nondisruptive operations.

Upgrading a single node system to an HA pair is not supported. If you want to switch between a single node system and an HA pair, then you need to deploy a new system and replicate data from the existing system to the new system.

	Freemium	PAYGO Explore	PAYGO Standard	PAYGO Premium	Node-based license	Capacity-based license
Maximum system capacity (disks + object storage) [1]	500 GB	2 TB [2]	10 TB	368 TB	368 TB per license	2 PB
Supported machine types [3]	• n1-standard-8 • n1-standard-32 • n2-standard-4 • n2-standard-8 • n2-standard-32	• n2-standard-4	• n1-standard-8 • n2-standard-8	• n1-standard-32 • n2-standard-32	• n1-standard-8 • n1-standard-32 • n2-standard-4 • n2-standard-8 • n2-standard-32	• n1-standard-8 • n1-standard-32 • n2-standard-4 • n2-standard-8 • n2-standard-32
Supported disk types [4]	Zonal persistent disks (SSD and standard)					

Notes:

1. Disk limits can prevent you from reaching the maximum system capacity limit by using disks alone. You can reach the capacity limit by tiering inactive data to object storage.

   Learn more about disk limits in GCP.

2. Data tiering to Google Cloud Storage isn't supported with PAYGO Explore.
3. The custom-4-16384 machine type is no longer supported with new Cloud Volumes ONTAP systems.

   If you have an existing system running on this machine type, you can keep using it, but we recommend switching to the n2-standard-4 machine type.

4. Enhanced write performance is enabled when using SSDs.
5. The Cloud Manager interface shows an additional supported machine type for Standard and BYOL: n1-highmem-4. However, this machine type isn't meant for production environments. We've made it available for a specific lab environment only.
6. For Google Cloud Platform region support, see Cloud Volumes Global Regions.
7. Cloud Volumes ONTAP can run on either a Reserved or On-demand VM instance from your cloud provider. Solutions that use other VM instance types aren't supported.

Supported disk sizes

In GCP, an aggregate can contain up to 6 disks that are all the same type and size. The following disk sizes are supported:

- 100 GB
- 500 GB
- 1 TB
- 2 TB
- 4 TB
- 8 TB
- 16 TB
- 64 TB

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