



# **Supported configurations for Cloud Volumes ONTAP 9.6 in AWS**

## **Cloud Volumes ONTAP**

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April 09, 2021

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# Supported configurations for Cloud Volumes ONTAP 9.6 in AWS

Cloud Volumes ONTAP is available in AWS in two pricing options: pay-as-you-go and Bring Your Own License (BYOL). For pay-as-you-go, you can choose from three configurations: Explore, Standard, or Premium.

## Supported configurations by license

Cloud Volumes ONTAP is available in AWS 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.

	Explore	Standard	Premium	BYOL
<b>Supported EC2 instance types</b> <sup>1</sup>	<ul style="list-style-type: none"><li>• m4.xlarge</li><li>• m5.xlarge</li></ul>	<ul style="list-style-type: none"><li>• m4.2xlarge</li><li>• m5.2xlarge</li><li>• r4.xlarge</li><li>• r5.xlarge</li></ul>	<ul style="list-style-type: none"><li>• c4.4xlarge</li><li>• c4.8xlarge</li><li>• c5.9xlarge</li><li>• c5.18xlarge</li><li>• c5d.4xlarge <sup>2</sup></li><li>• c5d.9xlarge <sup>2</sup></li><li>• c5d.18xlarge <sup>2,3</sup></li><li>• m4.4xlarge</li><li>• m5.4xlarge</li><li>• m5d.8xlarge <sup>2,3</sup></li><li>• r4.2xlarge</li><li>• r5.2xlarge</li><li>• r5d.2xlarge <sup>2</sup></li></ul>	<ul style="list-style-type: none"><li>• c4.4xlarge</li><li>• c4.8xlarge</li><li>• c5.9xlarge</li><li>• c5.18xlarge</li><li>• c5d.4xlarge <sup>2</sup></li><li>• c5d.9xlarge <sup>2</sup></li><li>• c5d.18xlarge <sup>2,3</sup></li><li>• m4.xlarge</li><li>• m4.2xlarge</li><li>• m4.4xlarge</li><li>• m5.xlarge</li><li>• m5.2xlarge</li><li>• m5.4xlarge</li><li>• m5d.8xlarge <sup>2,3</sup></li><li>• r4.xlarge</li><li>• r4.2xlarge</li><li>• r5.xlarge</li><li>• r5.2xlarge</li><li>• r5d.2xlarge <sup>2</sup></li></ul>
<b>Supported disk types</b> <sup>4</sup>	General Purpose SSDs (gp2) <sup>5</sup> , Provisioned IOPS SSDs (io1), and Throughput Optimized HDDs (st1)			
<b>Cold data tiering to S3</b>	Not supported	Supported		

	Explore	Standard	Premium	BYOL
<b>Maximum system capacity (disks + object storage)</b>	2 TB	10 TB	368 TB <sup>5</sup>	368 TB per license <sup>5</sup>

Notes:

1. When you choose an EC2 instance type, you can specify whether it is a shared instance or a dedicated instance.
2. These instance types include local NVMe storage, which Cloud Volumes ONTAP uses as *Flash Cache*. Flash Cache speeds access to data through real-time intelligent caching of recently read user data and NetApp metadata. It is effective for random read-intensive workloads, including databases, email, and file services. Compression must be disabled on all volumes to take advantage of the Flash Cache performance improvements. [Learn more](#).
3. c5d.18xlarge and m5d.8xlarge are supported starting with Cloud Volumes ONTAP 9.6 P3.
4. Enhanced write performance is enabled when using SSDs with Cloud Volumes ONTAP Standard, Premium, and BYOL.
5. gp3 SSDs are not supported.
6. For some HA configurations, disk limits prevent you from reaching the 368 TB capacity limit by using disks alone. In those cases, you can reach the 368 TB capacity limit by [tiering inactive data to object storage](#). For information about disk limits, refer to [storage limits](#).
7. For AWS region support, see [Cloud Volumes Global Regions](#).

## Supported disk sizes

In AWS, an aggregate can contain up to 6 disks that are all the same type and size.

General Purpose SSDs (gp2)	Provisioned IOPS SSDs (io1)	Throughput Optimized HDDs (st1)
<ul style="list-style-type: none"> <li>• 100 GB</li> <li>• 500 GB</li> <li>• 1 TB</li> <li>• 2 TB</li> <li>• 4 TB</li> <li>• 6 TB</li> <li>• 8 TB</li> <li>• 16 TB</li> </ul>	<ul style="list-style-type: none"> <li>• 100 GB</li> <li>• 500 GB</li> <li>• 1 TB</li> <li>• 2 TB</li> <li>• 4 TB</li> <li>• 6 TB</li> <li>• 8 TB</li> <li>• 16 TB</li> </ul>	<ul style="list-style-type: none"> <li>• 500 GB</li> <li>• 1 TB</li> <li>• 2 TB</li> <li>• 4 TB</li> <li>• 6 TB</li> <li>• 8 TB</li> <li>• 16 TB</li> </ul>

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