What's new in ONTAP Cloud 9.3

Cloud Volumes ONTAP

Ben Cammett
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What's new in ONTAP Cloud 9.3

ONTAP Cloud 9.3 includes several new features and enhancements.

ONTAP Cloud HA enhancements in AWS

The 9.3 release addresses the resiliency of ONTAP Cloud HA pairs to tolerate network glitches or transient higher latencies within the AWS ecosystem, and to ensure the availability of customer data during such events.

Support for the EU (Paris) region in AWS

ONTAP Cloud is now supported in the EU (Paris) region in AWS. Based on the supported instance types in this region, the following ONTAP Cloud configurations are available in the EU (Paris) region:

- ONTAP Cloud Standard (r4.xlarge)
- ONTAP Cloud Premium (r4.2xlarge)
- ONTAP Cloud BYOL (r4.xlarge and r4.2xlarge)

Enhanced write performance with Azure Premium disks

Write performance for ONTAP Cloud has been improved in Azure when using Premium Storage disks. The enhancement is supported with ONTAP Cloud Standard, Premium, and BYOL.

Write performance enhancements are not supported when using the DS3_v2 virtual machine type.

Increased capacity limit for ONTAP Cloud Premium and BYOL in Azure

The capacity limit for ONTAP Cloud Premium and ONTAP Cloud BYOL has doubled to 252 TB when using the DS5_v2 or DS14_v2 virtual machine types.

This change is possible due to an increase in the number of disks available per Azure virtual machine. It does not change the maximum capacity per aggregate.

Support for Azure US Gov regions

You can now deploy Cloud Manager and ONTAP Cloud BYOL in the following Azure regions:

- US Gov Arizona
- US Gov Texas
- US Gov Virginia

To deploy Cloud Manager in these regions, you must create a CentOS 7.3 virtual machine from the Azure Marketplace, download the Cloud Manager installer from the NetApp Support Site, and then install the software. After Cloud Manager is running, you can deploy ONTAP Cloud BYOL systems in the these regions just like any other region.

Support for SVM disaster recovery

ONTAP Cloud supports one data-serving SVM and one destination SVM used for disaster recovery. You can activate the destination SVM for data access if there's an outage on the source SVM.

SVM disaster recovery is the asynchronous mirroring of SVM data and configuration from a source SVM to a destination SVM. You can quickly activate a destination SVM for data access if the source SVM is no longer available.

Cloud Manager does not provide any setup or orchestration support for SVM disaster recovery. It also does not support storage-related tasks on any additional SVMs. You must use System Manager or the CLI for SVM disaster recovery.

SVM Disaster Recovery Preparation Express Guide

SVM Disaster Recovery Express Guide

Upgrade notes

- Upgrades must be completed from Cloud Manager. You should not upgrade ONTAP Cloud by using System Manager or the CLI. Doing so can impact system stability.
- You can upgrade to ONTAP Cloud 9.3 from ONTAP Cloud 9.2.
- The upgrade of a single node system takes the system offline for up to 25 minutes, during which I/O is interrupted.
- Upgrading an HA pair is nondisruptive and I/O is uninterrupted. During this nondisruptive upgrade process, each node is upgraded in tandem to continue serving I/O to clients.

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