AWS administration

Cloud Volumes ONTAP

NetApp
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AWS administration

Change the EC2 instance type for Cloud Volumes ONTAP

You can choose from several instance or types when you launch Cloud Volumes ONTAP in AWS. You can change the instance type at any time if you determine that it is undersized or oversized for your needs.

About this task

- Automatic giveback must be enabled on a Cloud Volumes ONTAP HA pair (this is the default setting). If it isn't, then the operation will fail.

  ONTAP 9 Documentation: Commands for configuring automatic giveback

- Changing the instance type can affect AWS service charges.
- The operation restarts Cloud Volumes ONTAP.

  For single node systems, I/O is interrupted.

  For HA pairs, the change is nondisruptive. HA pairs continue to serve data.

BlueXP gracefully changes one node at a time by initiating takeover and waiting for give back. NetApp's QA team tested both writing and reading files during this process and didn't see any issues on the client side. As connections changed, we did see retries on the I/O level, but the application layer overcame these short "re-wire" of NFS/CIFS connections.

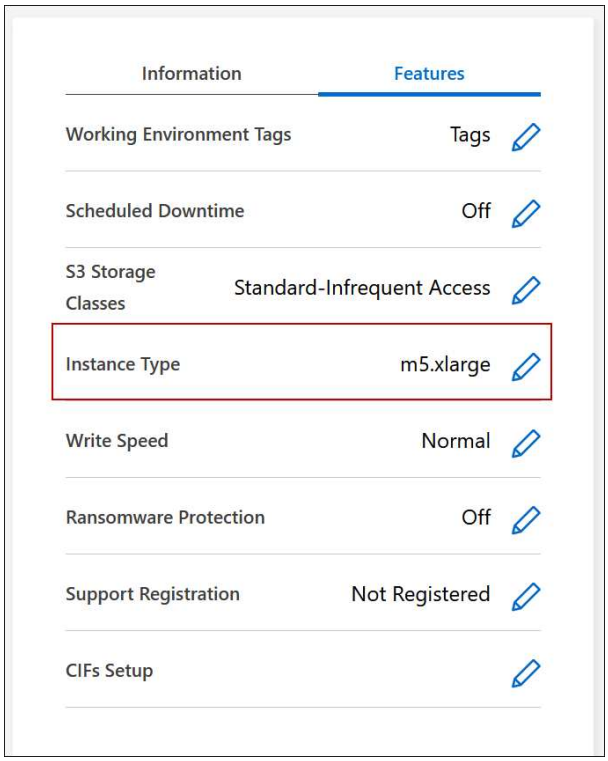
Reference

For a list of supported instance types in AWS, see Supported EC2 instances.

If you can't change the instance type from c4, m4, or r4 instances, see KB article "Unable to change the instance type from r4 to r5 with disk count error".

Steps

1. On the Canvas page, select the working environment.
2. On the Overview tab, click the Features panel and then click the pencil icon next to **Instance type**.



a. If you are using a node-based PAYGO license, you can optionally choose a different license and instance type by clicking the pencil icon next to **License type**.

3. Choose an instance type, select the check box to confirm that you understand the implications of the change, and then click **Change**.

Result

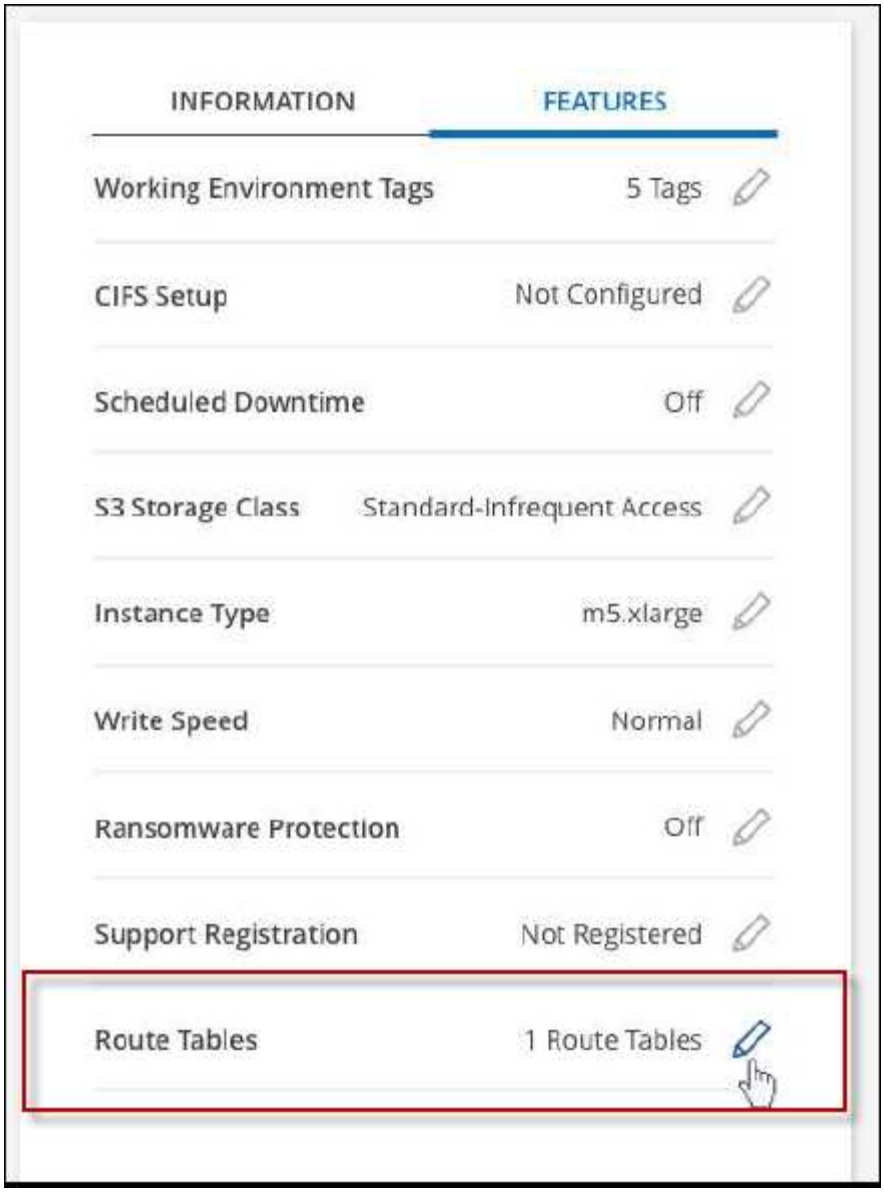
Cloud Volumes ONTAP reboots with the new configuration.

Change route tables for HA pairs in multiple AZs

You can modify the AWS route tables that include routes to the floating IP addresses for an HA pair that's deployed in multiple AWS Availability Zones (AZs). You might do this if new NFS or CIFS clients need to access an HA pair in AWS.

Steps

1. On the Canvas page, select the working environment.
2. On the Overview tab, click the Features panel and then click the pencil icon next to **Route tables**.



3. Modify the list of selected route tables and then click **Save**.

Result

BlueXP sends an AWS request to modify the route tables.

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