Monitor volume efficiency operations

ONTAP 9

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Monitor volume efficiency operations

View the status of efficiency operations

You can view whether deduplication or data compression is enabled on a volume. You can also view the status, state, type of compression, and progress of the efficiency operations on a volume by using the `volume efficiency show` command.

Step

1. Use the `volume efficiency show` command to view the status of an efficiency operation on a volume.

   The following command displays the status of an efficiency operation on volume VolA that is assigned the adaptive compression type:

   ```bash
   volume efficiency show -instance -vserver vs1 -volume VolA
   ```

   If the efficiency operation is enabled on volume VolA and the operation is idle, then you can see the following in the system output:

   ```bash
   cluster1::> volume efficiency show -vserver vs1 -volume VolA
   
   Vserver Name: vs1
   Volume Name: VolA
   Volume Path: /vol/VolA
       State: Enabled
       Status: Idle
       Progress: Idle for 00:03:20
   ```

View efficiency space savings

You can view the amount of space savings achieved through deduplication and data compression on a volume by using the `volume show` command.

About this task

The space savings in Snapshot copies are not included when calculating the space savings achieved on a volume. Using deduplication does not affect volume quotas. Quotas are reported at the logical level, and remain unchanged.

Step

1. Use the `volume show` command to view space savings achieved on a volume using deduplication and data compression.

   Example

   The following command enables you to view the space savings achieved by using deduplication and data compression on volume VolA: `volume show -vserver vs1 -volume VolA`
View efficiency statistics of a FlexVol volume

You can view the details of the efficiency operations run on a FlexVol volume by using the `volume efficiency stat` command.

**Step**

1. Use the `volume efficiency stat` command to view the statistics of efficiency operations on a FlexVol volume.

**Example**

The following command enables you to view the statistics of the efficiency operations on the volume VolA:

```shell
volume efficiency stat -vserver vs1 -volume VolA
```

```
cluster1::> volume efficiency stat -vserver vs1 -volume VolA

Vserver Name: vs1
Volume Name: VolA

... Space Saved by Storage Efficiency: 115812B
   Percentage Saved by Storage Efficiency: 97%
   Space Saved by Deduplication: 13728B
   Percentage Saved by Deduplication: 81%
   Space Shared by Deduplication: 1028B
   Space Saved by Compression: 102084B
   Percentage Space Saved by Compression: 97%

...
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