volume snaplock commands

ONTAP commands

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volume snaplock commands

volume snaplock modify

Modify SnapLock attributes of a SnapLock volume

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

```
The ` volume snaplock modify ` command modifies one or more SnapLock
attributes of a SnapLock volume.
```

Parameters

-vserver <vserver name> - Vserver

This specifies the vserver which owns the required SnapLock volume.

-volume <volume name> - Volume

This specifies the SnapLock volume whose attribute needs to be modified.

{ [-minimum-retention-period {{<integer> seconds|minutes|hours|days|months|years} | infinite}] - Minimum Retention Period

Specifies the minimum allowed retention period for files committed to WORM state on the volume. Any files committed with a retention period shorter than this minimum value, is assigned this minimum value.

If this option value is *infinite* , then every file committed to the volume will have a retention period that never expires.

Otherwise, the retention period is specified as a number followed by a suffix. The valid suffixes are seconds, minutes, hours, days, months, and years. For example, a value of 6months represents a retention period of 6 months. The maximum allowed retention period is 70 years. This option is not applicable while extending retention period of an already committed WORM file.

[-default-retention-period {{<integer> seconds|minutes|hours|days|months|years} | min | max | infinite}] - Default Retention Period

Specifies the default retention period that is applied to files while committing to WORM state without an associated retention period.

If this option value is *min* , then minimum-retention-period is used as the default retention period. If this option value is *max* , then maximum-retention-period is used as the default retention period. If this option value is *infinite* , then a retention period that never expires will be used as the default retention period.

The retention period can also be explicitly specified as a number followed by a suffix. The valid suffixes are seconds, minutes, hours, days, months, and years. For example, a value of 6months represents a retention period of 6 months. The maximum valid retention period is 70 years.

[-maximum-retention-period {{<integer> seconds|minutes|hours|days|months|years} | infinite}] - Maximum Retention Period

Specifies the maximum allowed retention period for files committed to WORM state on the volume. Any files committed with a retention period longer than this maximum value, is assigned this maximum value.

If this option value is *infinite* , then files that have retention period that never expires might be committed to the volume.

Otherwise, the retention period is specified as a number followed by a suffix. The valid suffixes are seconds, minutes, hours, days, months, and years. For example, a value of 6months represents a retention period of 6 months. The maximum allowed retention period is 70 years. This option is not applicable while extending retention period of an already committed WORM file.

[-autocommit-period {{<integer> minutes|hours|days|months|years} | none}] - Autocommit Period

Specifies the autocommit period for SnapLock volume. All files which are not modified for a period greater the autocommit period of the volume are committed to WORM state.

The autocommit period option is specified as a number followed by a suffix. The valid suffixes for autocommit period are hours, minutes, days, months and years. For example, a value of 2hours represents an autocommit period of 2 hours. The minimum allowed autocommit period is 5 minutes and the maximum allowed autocommit period is 10 years.

If this option value is *none* , then autocommit is disabled on the SnapLock volume.

[-is-volume-append-mode-enabled {true|false}] - Is Volume Append Mode Enabled

Specifies if the volume append mode is enabled or disabled.

It can be modified only when the volume is not mounted and does not have any data or Snapshot copies.

The volume append mode is not supported on SnapLock audit log volumes.

When it is enabled, all the files created with write permissions on the volume are WORM appendable files by default. All the WORM appendable files that are not modified for a period greater than the autocommit period of the volume are also committed to the WORM read-only state.

If it is set to *true* , then the volume append mode is enabled.

If it is set to *false* , then the volume append mode is disabled.

Volume append mode is disabled by default when the volume is created.

| [-privileged-delete {disabled|enabled|permanently-disabled}] - Privileged Delete }

Specifies the privileged-delete attribute of a SnapLock volume. This parameter must be specified alone.

If it is set to *enabled* then the privileged-delete operation can be performed using the volume file privileged-delete command.

If it is set to *disabled* , then the privileged-delete operation is not supported.

Once it is set to *permanently-disabled* , then neither the privileged-delete operation nor any change in the volume privileged-delete attribute is permitted.

Examples

The following command sets `-default-retention-period` of a given SnapLock volume:

```
cluster1::> volume snaplock modify -volume vol_slc -default-retention
-period 2years

cluster1::>
```

The following command sets `-maximum-retention-period` of a given SnapLock volume to *`infinite`*:

```
cluster1::> volume snaplock modify -volume vol_slc -maximum-retention
-period infinite

cluster1::>
```

The following command enables the privileged-delete operation on a SnapLock volume.

```
cluster1::> volume snaplock modify -vserver vs1 -volume vol_sle
-privileged-delete enabled
[Job 38] Job succeeded: Privileged-delete Attribute Change for Volume
"vs1:vol_sle" Completed.
cluster1::>
cluster1::>volume snaplock show -vserver vs1 -volume vol_sle -fields
privileged-delete
vserver volume   privileged-delete
------- -------- -----------------
vs1     vol_sle  enabled

cluster1::>
```

Related Links

- volume file privileged-delete

volume snaplock prepare-to-downgrade

Prepares the system for downgrade

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

The `volume snaplock prepare-to-downgrade` command prepares nodes to downgrade to a release without SnapLock volume append mode feature. Prior to disabling the feature, the command disables volume

append mode on all SnapLock volumes in the cluster.

Examples

The following example disables the SnapLock volume append mode feature in the local cluster:

```
cluster1::> volume snaplock prepare-to-downgrade
```

volume snaplock show

Display SnapLock attributes of a SnapLock volume

Availability: This command is available to *cluster* and *Vserver* administrators at the *admin* privilege level.

Description

```
The ` volume snaplock show ` command displays following information :
```

- Vserver name
- Volume name
- SnapLock Type of the volume
- Minimum retention period applicable of the volume
- Default retention period applicable of the volume
- Maximum retention period applicable of the volume
- Autocommit period of the volume
- Volume Append Mode attribute of the volume
- Privileged Delete attribute of the volume
- Litigation count on the volume
- Volume expiry time of the volume
- Volume ComplianceClock
- SnapLock audit log volume

This command is applicable only for SnapLock volumes.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-vserver <vserver name>] - Vserver

If this parameter is specified, the command displays information for all the SnapLock volumes that match the specified `-vserver` value.

[-volume <volume name>] - Volume

If this parameter is specified, the command displays information for the specified `-volume` value.

[-type {non-snaplock|compliance|enterprise}] - SnapLock Type

If this parameter is specified, the command displays all the volumes that match the specified `-type` value.

[-minimum-retention-period {{<integer> seconds|minutes|hours|days|months|years} | infinite}] - Minimum Retention Period

If this parameter is specified, the command displays all the volumes that match the specified `-minimum-retention-period` value.

[-default-retention-period {{<integer> seconds|minutes|hours|days|months|years} | min | max | infinite}] - Default Retention Period

If this parameter is specified, the command displays all the volumes that match the specified `-default-retention-period` value.

[-maximum-retention-period {{<integer> seconds|minutes|hours|days|months|years} | infinite}] - Maximum Retention Period

If this parameter is specified, the command displays all the volumes that match the specified `-maximum-retention-period` value.

[-autocommit-period {{<integer> minutes|hours|days|months|years} | none}] - Autocommit Period

If this parameter is specified, the command displays all the volumes that match the specified `-autocommit-period` value.

[-is-volume-append-mode-enabled {true|false}] - Is Volume Append Mode Enabled

If this parameter is specified, the command displays all the volumes that match the specified `-is-volume-append-mode-enabled` value.

[-privileged-delete {disabled|enabled|permanently-disabled}] - Privileged Delete

If this parameter is specified, the command displays all the volumes that match the specified `-privileged-delete` value.

[-expiry-time <text>] - Expiry Time

If this parameter is specified, the command displays all the volumes that match the specified `-expiry-time` value.

[-compliance-clock-time <text>] - ComplianceClock Time

If this parameter is specified, the command displays all the volumes that match the specified `-compliance-clock-time` value.

[-litigation-count <integer>] - Litigation Count

If this parameter is specified, the command displays all the volumes that match the specified `-litigation`

`-count` value.

[-is-audit-log-volume {true|false}] - Is SnapLock Audit Log Volume

If this parameter is specified, the command displays all the volumes that match the specified `-is-audit-log-volume` value.

Examples

The following command shows summary of SnapLock volumes on a vserver:

```
cluster1::> volume snaplock show
Vserver       Volume          SnapLock Type ComplianceClock Time
------------- --------------- -------------
-----------------------------------
vs1           vol_slc         compliance    Mon Jan 19 14:12:34 IST 2015
+05:30
vs1           vol_sle         enterprise    Mon Jan 19 14:12:34 IST 2015
+05:30
2 entries were displayed.

cluster1::>
```

The following commands lists the complete SnapLock attributes of two given SnapLock volumes:

```
cluster1::> volume snaplock show -vserver vs1 -volume vol_slc
Vserver Name: vs1
                  Volume Name: vol_slc
                SnapLock Type: compliance
     Minimum Retention Period: 1 years
     Default Retention Period: max
     Maximum Retention Period: 30 years
            Autocommit Period: 12 hours
Is Volume Append Mode Enabled: false
            Privileged Delete: permanently-disabled
                  Expiry Time: Thu May 11 14:37:21 GMT 2017
         ComplianceClock Time: Wed May 11 20:08:41 IST 2016 +05:30
             Litigation Count: 0
 Is SnapLock Audit Log Volume: false

cluster1::>

cluster1::> volume snaplock show -vserver vs1 -volume vol_sle
Vserver Name: vs1
                  Volume Name: vol_sle
                SnapLock Type: enterprise
     Minimum Retention Period: 6 months
     Default Retention Period: min
     Maximum Retention Period: infinite
            Autocommit Period: none
Is Volume Append Mode Enabled: false
            Privileged Delete: enabled
                  Expiry Time: infinite
         ComplianceClock Time: Wed May 11 20:08:44 IST 2016 +05:30
             Litigation Count: 0
 Is SnapLock Audit Log Volume: false
```

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