



## **snaplock events**

### **ONTAP 9.12.1 EMS reference**

NetApp  
June 11, 2024

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# snaplock events

## snaplock.disk events

### snaplock.disk.import.7mode

#### Severity

ERROR

#### Description

This message occurs when the configuration management detects that an older(7-Mode) version of a SnapLock® disk is attached to a system running a Data ONTAP® release that cannot support it.

#### Corrective Action

Remove the SnapLock® disks from the system.

#### Syslog Message

File system %s has SnapLock® disks. This version of Data ONTAP® does not support older(7-Mode) SnapLock® versions

#### Parameters

**disk\_info** (STRING): Formatted information about the disk.

**shelf** (STRING): Shelf identifier where the disk is located.

**bay** (STRING): Disk bay within the shelf where disk is located.

**vendor** (STRING): Name of the vendor of the disk.

**model** (STRING): Model string of the disk drive.

**firmware\_revision** (STRING): Firmware revision number of the disk.

**serialno** (STRING): Serial number of the disk.

**disk\_type** (INT): Type of disk drive.

**disk\_rpm** (STRING): Rotational speed of disk in RPM.

**failure\_reason** (STRING): A text description of storage error leading to disk failure.

**carrier** (STRING): Unique ID of the carrier in which the disk drive is installed.

**site** (STRING): For a MetroCluster® configuration, indicates the site ("Local" or "Remote") where the disk is located. For non-MetroCluster configurations, the site is "Local".

### snaplock.disk.on.unsupported.version

#### Severity

ERROR

#### Description

This event is issued when configuration management detects that a SnapLock® disk is attached to a system running ONTAP® release which doesn't support SnapLock®.

#### Corrective Action

Install a version of Data ONTAP that supports SnapLock, or remove the SnapLock disks.

#### Syslog Message

File system %s has SnapLock disks. This version of Data ONTAP does not support SnapLock.

## Parameters

**disk\_info** (STRING): Formatted information of the disk  
**shelf** (STRING): Shelf identifier where the disk is located  
**bay** (STRING): Disk bay within the shelf where disk is located  
**vendor** (STRING): Name of the vendor of the disk  
**model** (STRING): Model string of the disk drive  
**firmware\_revision** (STRING): Firmware revision number of the disk  
**serialno** (STRING): Serial number of the disk  
**disk\_type** (INT): Type of disk drive  
**disk\_rpm** (STRING): Rotational speed of disk in RPM  
**failure\_reason** (STRING): A text description of storage error leading to disk failure.  
**carrier** (STRING): Unique ID of the carrier in which the disk drive is installed.  
**site** (STRING): For a MetroCluster configuration(tm), indicates the site {Local|Remote} where the disk is located. For non-MetroCluster configurations, site is 'Local'.

# snaplock.event events

## snaplock.event.based.retention.op.status

### Severity

NOTICE

### Description

This message occurs on completion of a event based retention apply operation on a SnapLock® volume.

### Corrective Action

(None).

### Syslog Message

An %s operation with ID %lu ended for policy "%s" and retention period "%s" on path %s in volume %s:%s with status: "%s", details: "%s". The operation passed on %lu files, failed on %lu files, skipped %lu files and ignored %lu inodes.

## Parameters

**operation\_type** (STRING): Type of the event based retention operation.  
**operation\_id** (LONGINT): Operation ID of the event based retention operation.  
**policy\_name** (STRING): Name of the event based retention policy.  
**retention\_period** (STRING): Retention period of the event based retention policy.  
**path** (STRING): Path of the form '/(directory path)' relative to volume root.  
**vserver** (STRING): Name of the vserver.  
**volume** (STRING): Name of the SnapLock volume, on which event based retention operation is running.  
**operation\_status** (STRING): Status of the event based retention operation.  
**status\_details** (STRING): Completion string of the event based retention operation.  
**num\_files\_processed** (LONGINT): Total count of files for which event based retention operation was performed.  
**num\_files\_failed** (LONGINT): Total count of files for which event based retention operation failed.  
**num\_files\_skipped** (LONGINT): Total count of files for which event based retention operation was skipped.  
**num\_inodes\_ignored** (LONGINT): Total count of inodes which were ignored by event based retention operation because they are not regular files.

# snaplock.invalid events

## snaplock.invalid.autocommit

### Severity

ERROR

### Description

This message occurs when an invalid autocommit period value is found on a SnapLock® volume. ONTAP® 9.4 software and later releases have a maximum autocommit period value of 10 years. If this maximum is exceeded, autocommit is disabled on the volume.

### Corrective Action

Correct the autocommit period on the SnapLock volume by using the "volume snaplock modify" command or the "volume-set-snaplock-attrs" Zephyr API.

### Syslog Message

Disabling autocommit on SnapLock volume %s%s on the Vserver with ID %s because the autocommit period exceeded the maximum of 10 years.

### Parameters

**volume** (STRING): Name of the SnapLock volume with invalid autocommit period value.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

# snaplock.legal events

## snaplock.legal.hold.dump.files.op.status

### Severity

NOTICE

### Description

This message occurs on completion of a legal-hold dump-files operation on a SnapLock® compliance volume.

### Corrective Action

(None).

### Syslog Message

A legal-hold dump-files operation with ID %lu ended for litigation %s on volume %s:%s and output path: "%s", with status: "%s", details: "%s". The operation passed on %lu files, failed on %lu files, skipped %lu files and ignored %lu inodes.

### Parameters

**operation\_id** (LONGINT): Operation ID of the legal-hold dump-files operation.

**litigation\_name** (STRING): Name of the litigation.

**vserver** (STRING): Name of the vserver.

**volume** (STRING): Name of the SnapLock compliance volume, on which legal-hold dump-files operation is running.

**output\_path** (STRING): Output path of legal-hold dump-files operation.

**operation\_status** (STRING): Status of the legal-hold dump-files operation.  
**status\_details** (STRING): Completion string of the legal-hold dump-files operation.  
**num\_files\_processed** (LONGINT): Total count of files for which legal-hold dump-files operation was performed.  
**num\_files\_failed** (LONGINT): Total count of files for which legal-hold dump-files operation failed.  
**num\_files\_skipped** (LONGINT): Total count of files for which legal-hold dump-files operation was skipped.  
**num\_inodes\_ignored** (LONGINT): Total count of inodes which were ignored by legal-hold dump-files operation because they are not regular files.

## snaplock.legal.hold.dump.litigations.job.status

### Severity

NOTICE

### Description

This message occurs on completion of a legal-hold dump-litigations operation.

### Corrective Action

(None).

### Syslog Message

A legal-hold dump-litigations operation with ID %s ended for %s with status: "%s", details: "%s".

### Parameters

**job\_id** (STRING): Job ID of the legal-hold operation.  
**vserver\_and\_volume** (STRING): Name of the vserver and volume (if any).  
**job\_status** (STRING): Status of the legal-hold dump-litigations job.  
**status\_details** (STRING): Completion string of the legal-hold dump-litigations job.

## snaplock.legal.hold.op.status

### Severity

NOTICE

### Description

This message occurs on completion of a legal-hold begin or end operation on a SnapLock® compliance volume.

### Corrective Action

(None).

### Syslog Message

A legal-hold %s operation with ID %lu ended for litigation %s on path %s in volume %s:%s with status: "%s", details: "%s". The operation passed on %lu files, failed on %lu files, skipped %lu files and ignored %lu inodes.

### Parameters

**operation\_type** (STRING): Type of the legal-hold operation.  
**operation\_id** (LONGINT): Operation ID of the legal-hold operation.  
**litigation\_name** (STRING): Name of the litigation.  
**path** (STRING): Path of the form '(directory path)' relative to volume root.  
**vserver** (STRING): Name of the vserver.

**volume** (STRING): Name of the SnapLock compliance volume, on which legal-hold operation is running.  
**operation\_status** (STRING): Status of the legal-hold operation.  
**status\_details** (STRING): Completion string of the legal-hold operation.  
**num\_files\_processed** (LONGINT): Total count of files for which legal-hold operation was performed.  
**num\_files\_failed** (LONGINT): Total count of files for which legal-hold operation failed.  
**num\_files\_skipped** (LONGINT): Total count of files for which legal-hold operation was skipped.  
**num\_inodes\_ignored** (LONGINT): Total count of inodes which were ignored by legal-hold operation because they are not regular files.

## snaplock.mcc events

### snaplock.mcc.veto.worm

#### Severity

ERROR

#### Description

This message occurs when SnapLock legal-hold or event based retention operations are aborted during a MetroCluster Switchback or a MetroCluster Switchover operation.

#### Corrective Action

(None).

#### Syslog Message

All SnapLock legal-hold and event based retention operations were aborted because a %s is in progress.

#### Parameters

**mcc\_op** (STRING): Describes the operation i.e. a MetroCluster Switchback or a MetroCluster Switchover.

## snaplock.nse events

### snaplock.NSE.conflict

#### Severity

NOTICE

#### Description

This message occurs when any of the following commands could not be run against a SnapLock Compliance disk, since doing so could risk the destruction of compliance data: "storage encryption disk sanitize", "storage encryption disk destroy", "storage encryption disk revert-to-original-state".

#### Corrective Action

(None).

#### Syslog Message

"storage encryption disk sanitize/destroy/revert-to-original-state" command could not be run on SnapLock Compliance disk '%s' as it could risk the destruction of compliance data.

#### Parameters

**disk** (STRING): Name of the SnapLock Compliance disk.

# snaplock.sfo events

## snaplock.sfo.veto.worm

### Severity

ERROR

### Description

This message occurs when SnapLock legal-hold or event-retention operations are aborted during an aggregate relocation or a sendhome operation.

### Corrective Action

(None).

### Syslog Message

All SnapLock legal-hold and event based retention operations were aborted for aggregate %s because %s is in progress.

### Parameters

**aggr\_name** (STRING): Name of the aggregate for which operations were aborted.

**arl\_or\_sendhome** (STRING): Describes the operation i.e. an aggregate relocation or a sendhome.

# snaplock.ss events

## snaplock.ss.lockBadVolume

### Severity

ALERT

### Description

This event is generated if an attempt is made to lock a snapshot on a SnapLock volume that has previously failed to find or load its SnapLock snapshot state.

### Corrective Action

Run waflliron on the volume.

### Syslog Message

A snapshot on SnapLock volume '%s%s' on the Vserver with ID '%s', could not be locked because the SnapLock snapshot state could not be found or loaded for the volume.

### Parameters

**volume** (STRING): The name of the SnapLock volume on which the snapshot could not be locked.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## snaplock.ss.state.badMagic

### Severity

ALERT



## Description

This event is generated if the SnapLock snapshot state on a SnapLock volume is corrupt with an invalid magic file identifier. This volume will not allow SnapLock locking or unlocking of any further snapshots until this erroneous volume state is corrected.

## Corrective Action

Run waffliron on this volume.

## Syslog Message

The SnapLock snapshot state is corrupt with an invalid magic file identifier on SnapLock volume '%s%s' on the Vserver with ID '%s'.

## Parameters

**volume** (STRING): The name of the SnapLock volume on which the SnapLock snapshot state is corrupt with an invalid magic file identifier.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## snaplock.ss.state.badSize

### Severity

ALERT

### Description

This event is generated if the SnapLock snapshot state on a SnapLock volume is corrupt with an incorrect size. This volume will not allow SnapLock locking or unlocking of any further snapshots until this erroneous volume state is corrected.

### Corrective Action

Run waffliron on this volume.

### Syslog Message

The SnapLock snapshot state is corrupt with an incorrect size on SnapLock volume '%s%s' on the Vserver with ID '%s'.

### Parameters

**volume** (STRING): The name of the SnapLock volume on which the SnapLock snapshot state is corrupt with an incorrect size.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## snaplock.ss.state.badState

### Severity

ERROR

### Description

This message occurs when SnapLock® Snapshot® copies on the volume are corrupted, which prevents updates on the lockvault from succeeding until this is corrected.

### Corrective Action

Run the "snapshot fix-snaplock-state" command on this volume.

### Syslog Message

The SnapLock snapshot state is corrupt on SnapLock volume '%s%s' on the Vserver with ID '%s'.

### Parameters

**volume** (STRING): Name of the SnapLock volume on which the SnapLock Snapshot state is corrupt.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## snaplock.ss.state.badVersion

### Severity

ALERT

### Description

This event is generated if the SnapLock snapshot state on a SnapLock volume has an invalid version number. This volume will not allow SnapLock locking or unlocking of any further snapshots until this erroneous volume state is corrected.

### Corrective Action

Run wafiron on this volume.

### Syslog Message

The SnapLock snapshot state has an invalid version number on SnapLock volume '%s%s' on the Vserver with ID '%s'. The bad version number found was %d and the expected version was %d.

### Parameters

**volume** (STRING): The name of the SnapLock volume on which the SnapLock snapshot state has an invalid version number.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

**bad\_version** (INT): The invalid version number of the SnapLock snapshot state.

**expected\_version** (INT): The expected version number of the SnapLock snapshot state.

## snaplock.ss.state.createFail

### Severity

ALERT

### Description

This event is generated if SnapLock is unable to create the state for the SnapLock snapshot state on a SnapLock volume. This volume will not allow SnapLock locking or unlocking of any further snapshots until this erroneous volume state is corrected.

### Corrective Action

Run wafiron on this volume.

### Syslog Message

Failed to create the SnapLock snapshot state on SnapLock volume '%s%s' on the Vserver with ID '%s'.

## Parameters

**volume** (STRING): The name of the SnapLock volume on which the SnapLock snapshot state could not be created.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## snaplock.ss.state.dir.createFail

### Severity

ALERT

### Description

This event is generated if SnapLock is unable to create the SnapLock state directory for storage of SnapLock state on a SnapLock volume.

### Corrective Action

Run waffliron on this volume.

### Syslog Message

Failed to create the SnapLock state directory for storage of SnapLock state on SnapLock volume '%s%s' on the Vserver with ID '%s'.

## Parameters

**volume** (STRING): The name of the SnapLock volume on which the SnapLock state directory could not be created.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## snaplock.ss.state.loadFail

### Severity

ALERT

### Description

This event is generated if the SnapLock snapshot state on a SnapLock volume failed to load. This volume will not allow SnapLock locking or unlocking of any further snapshots until this erroneous volume state is corrected.

### Corrective Action

Run waffliron on this volume.

### Syslog Message

The SnapLock snapshot state could not be loaded from SnapLock volume '%s%s' on the Vserver with ID '%s'.

## Parameters

**volume** (STRING): The name of the SnapLock volume from which the SnapLock snapshot state could not be loaded.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## snaplock.ss.state.notFound

### Severity

ALERT

### Description

This event is generated if the SnapLock snapshot state cannot be found on a SnapLock volume. This volume will not allow SnapLock locking or unlocking of any further snapshots until this erroneous volume state is corrected.

### Corrective Action

Run wafiron on this volume.

### Syslog Message

The SnapLock snapshot state could not be found on SnapLock volume '%s%s' on the Vserver with ID '%s'.

### Parameters

**volume** (STRING): The name of the SnapLock volume on which the SnapLock snapshot state could not be found.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## snaplock.ss.state.upgradeFail

### Severity

ALERT

### Description

This event is generated if SnapLock is unable to upgrade the the SnapLock snapshot state on a SnapLock volume. This volume will not allow SnapLock locking or unlocking of any further snapshots until this erroneous volume state is corrected.

### Corrective Action

Run wafiron on this volume.

### Syslog Message

Failed to upgrade the SnapLock snapshot state to SnapLock volume '%s%s' on the Vserver with ID '%s'.

### Parameters

**volume** (STRING): The name of the SnapLock volume on which the SnapLock snapshot state could not be written.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## snaplock.ss.state.writeFail

### Severity

ALERT

### Description

This event is generated if SnapLock is unable to write the the SnapLock snapshot state on a SnapLock volume. This volume will not allow SnapLock locking or unlocking of any further snapshots until this

erroneous volume state is corrected.

### **Corrective Action**

Run wafiron on this volume.

### **Syslog Message**

Failed to write the SnapLock snapshot state to SnapLock volume '%s%s' on the Vserver with ID '%s'.

### **Parameters**

**volume** (STRING): The name of the SnapLock volume on which the SnapLock snapshot state could not be written.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## **snaplock.state events**

### **snaplock.state.dir.destroyFail**

#### **Severity**

NOTICE

#### **Description**

This event is generated if SnapLock is unable to destroy the SnapLock state for a SnapLock volume. This will not affect the operation of the reverted volume and does not require any corrective action.

#### **Corrective Action**

(None).

#### **Syslog Message**

Failed to destroy the SnapLock state for SnapLock volume '%s%s' on the Vserver with ID '%s'.

#### **Parameters**

**volume** (STRING): The name of the SnapLock volume on which the SnapLock state could not be destroyed.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier of the volume when the volume name itself is insufficient.

## **snaplock.sys events**

### **snaplock.sys.compclock.set**

#### **Severity**

NOTICE

#### **Description**

This message occurs when the system's compliance clock time and date is set.

#### **Corrective Action**

(None).

## Syslog Message

The compliance clock time of the system has been set to %s. Reason: %s.

## Parameters

**date** (STRING): Human-readable compliance clock date and time.

**reason** (STRING): Reason for initialization of the system's compliance clock.

## snaplock.sys.compclock.skew.fixed

### Severity

NOTICE

### Description

This message occurs when the SnapLock® system compliance clock time is skewed from the storage system's system clock by more than one day and skew is subsequently fixed.

### Corrective Action

(None).

## Syslog Message

The system compliance clock time (%s) was skewed from the system clock (%s) by more than one day. The system compliance clock time has been reset to the system clock time.

## Parameters

**system\_compliance\_clock\_time** (STRING): Human readable system compliance clock time.

**system\_time** (STRING): Human readable system time.

## snaplock.trans events

### snaplock.trans.autocommit

### Severity

NOTICE

### Description

This message occurs when autocommit period is adjusted on a Snaplock volume upon transition. When a 7 mode SnapLock volume is transitioned to Data ONTAP® 9.4 and later, if we find the autocommit period to be greater than 10 years, we change it to 10 years, which is the maximum supported value for autocommit period in Data ONTAP® 9.4.

### Corrective Action

(None).

## Syslog Message

Autocommit period on SnapLock volume %s%s on the Vserver with ID %s is changed from %s to 10 years upon transition.

## Parameters

**volume** (STRING): Name of the SnapLock volume on which autocommit period was adjusted upon transition.

**app** (STRING): Application Name.

**volident** (STRING): Unique identifier the volume in cases where the volume name itself is insufficient.  
**old\_autocommit\_period** (STRING): Autocommit period of the SnapLock volume in 7 mode.

## snaplock.user events

### snaplock.user

#### Severity

NOTICE

#### Description

This message occurs when the SnapLock® logging system fails to securely log either the addition or deletion of the compliance admin role to or from a user account. The actual operation might have succeeded.

#### Corrective Action

No corrective action is necessary. However, a secure log of the request might not exist and the SnapLock log volume should be checked for correct operation.

#### Syslog Message

There was a problem securely logging the %s of the "%s" role %s the user "%s" by "%s". Reason: %s

#### Parameters

**event** (STRING): Identifies whether the role was added or deleted.  
**role** (STRING): Name of the compliance admin role.  
**tofrom** (STRING): Describes whether the role is being added to or deleted from the user account.  
**username** (STRING): User name to or from which the role is being added or deleted.  
**whodidit** (STRING): Name of the user performing the operation.  
**reason** (STRING): Reason for the logging failure.

## snaplock.vcc events

### snaplock.vcc.assoc.mismatch

#### Severity

INFORMATIONAL

#### Description

This message occurs when the system detects mismatch in the SnapLock® volume compliance clock association with the system compliance clock. This can happen when the volume compliance clock's node ID is different from system's node ID or when volume compliance clock's scc ID is different from system compliance clock's ID or when both differ from each other.

#### Corrective Action

(None).

#### Syslog Message

Volume compliance clock association on volume %s does not match the system compliance clock at %s and its compliance clock is now reassociated with the system compliance clock.

## Parameters

**volume** (STRING): Name of the volume that had the compliance clock association mismatch.  
**date** (STRING): Human readable system compliance clock time at which the VCC-SCC association mismatch is detected.

# snaplock.vol events

## snaplock.vol.compclock.skewed

### Severity

NOTICE

### Description

This event is generated when the SnapLock® volume compliance clock time is skewed from the SnapLock system compliance clock by more than one day.

### Corrective Action

(None).

### Syslog Message

The compliance clock time (%s) of volume '%s' is skewed from the system compliance clock (%s) by more than one day.

## Parameters

**volume\_compliance\_clock\_time** (STRING): Human readable volume compliance clock time.  
**volume\_name** (STRING): Volume name.  
**system\_compliance\_clock\_time** (STRING): Human readable system compliance clock time.

# snaplock.volume events

## snaplock.volume.repair

### Severity

NOTICE

### Description

This message occurs when wafiron is run on a SnapLock® volume. If inconsistency is detected, wafiron will repair SnapLock volume. File system data before inconsistency occurred and the file system data after repair, may be different. WORM protected data may be changed. Administrator must ensure that the data on the volume is verified and restored, if needed, from backup copy or replica.

### Corrective Action

(None).

### Syslog Message

%s repair such as wafiron has been issued on SnapLock %s '%s'. %s data may be changed.

## Parameters

**vtype1** (STRING): type of volume.  
**vtype2** (STRING): type of volume.



**volume** (STRING): The name of the SnapLock volume on which volume repair is issued.

**vtype3** (STRING): type of volume.

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