



## **reg events**

### ONTAP EMS reference

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# reg events

## reg.cookie events

### reg.cookie.null

#### Severity

ERROR

#### Description

This message occurs when allocation of cookies for traversing all keys under a prefix fails. An EFAULT error indicates that the cause is an empty registry tree. An ENOTSUPP error indicates that the prefix entered might not be supported on a vFiler unit. An ENOMEM error indicates that the system is running low on memory.

#### Corrective Action

For an EFAULT error, check the prefix for spelling errors. For an ENOTSUPP error, try running the command on physical system, rather than a virtual system. For an ENOMEM error, close all applications that are consuming memory, as needed. If the problem persists, contact NetApp technical support.

#### Syslog Message

registry: Allocation of cookie for traversing all keys under the prefix %s, failed at function %s. Error number %d: %s.

#### Parameters

**location** (STRING): Location in the registry code where the failure occurred.

**prefix** (STRING): Name of the prefix that was passed as an argument to the function.

**errno** (INT): Internal error message number.

**errormsg** (STRING): Internal error message description.

# reg(errno) events

## reg(errno).addAfterReadable

#### Severity

NOTICE

#### Description

This event is issued when Data ONTAP(tm) cannot add an errno-style error to the list of errors. The error must be added before the readable version is generated. No action by the system administrator is needed.

#### Corrective Action

(None).

#### Syslog Message

registry: ignoring attempt to add an error (%d) after errors\_readable was called.

#### Parameters

**errnoval** (INT): The numerical value of the error.

## **reg(errno).addInvalid**

### **Severity**

NOTICE

### **Description**

This event is issued when Data ONTAP(tm) cannot add an errno-style error to the list of errors. The error number must be non-zero or the error string must be non-NULL. No action by the system administrator is needed.

### **Corrective Action**

(None).

### **Syslog Message**

registry: in errors\_add\_real, errnoval must be non-zero or str must be non-NULL.

### **Parameters**

(None).

## **reg.file events**

### **reg.file.createFail**

#### **Severity**

ALERT

#### **Description**

This message occurs when the system registry file could not be created.

#### **Corrective Action**

Use the 'df' nodeshell command to check available space on the root volume. If the root volume is full, free some space on the root volume and retry the operation. If the root volume is not full, the system might be running low on memory. Contact NetApp technical support for further assistance.

#### **Syslog Message**

registry: Cannot create %s file. %s. e.g. Cannot create /etc/registry.local.0 file.

#### **Parameters**

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

**errormsg** (STRING): Internal error message explaining why the file could not be created.

### **reg.file.linkFail**

#### **Severity**

ERROR

#### **Description**

Could not create a hard link between system registry files.

## Corrective Action

Check whether the source file exists. If the file doesn't exist, contact NetApp technical support.

## Syslog Message

registry: Cannot link %s to %s. %s.

## Parameters

**sourcefile** (STRING): Name of the source file.

**destfile** (STRING): Name of the destination file.

**errmsg** (STRING): Internal error message explaining why the hard link could not be created.

## reg.file.openFail

### Severity

ERROR

### Description

Could not open a system registry file.

## Corrective Action

Check whether the file exists. If it exists, check the file permissions. Make sure it has read and write permissions.

## Syslog Message

registry: Cannot open the %s file. %s.

## Parameters

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

**errmsg** (STRING): Internal error message explaining why the file could not be opened.

## reg.file.renameFail

### Severity

ERROR

### Description

This message occurs when the system registry file failed to update. The temporary copy of the registry could not be renamed to the active registry file name.

## Corrective Action

Contact NetApp technical support.

## Syslog Message

registry: Cannot rename %s to %s. %s. e.g. An error occurred trying to rename /etc/registry.bck.new2 to /etc/registry.bck

## Parameters

**sourcefile** (STRING): Name of the source file.

**destfile** (STRING): Name of the destination file.

**errmsg** (STRING): Internal error message explaining why the rename could not be completed.

## **reg.file.statsFail**

### **Severity**

ERROR

### **Description**

Could not get file statistics of the system registry file.

### **Corrective Action**

Check whether the file exists. If it exists, check the file permissions. Make sure that it has read and write permissions.

### **Syslog Message**

registry: Cannot get file statistics of %s file. %s.

### **Parameters**

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

**errmsg** (STRING): Internal error message explaining why the file statistics could not be obtained.

## **reg.file.updateFail**

### **Severity**

ERROR

### **Description**

This message occurs when the ONTAP®software could not update the system registry file. Updates are made to the registry files to save the changes to the configuration information. Low disk space and low memory can cause this issue.

### **Corrective Action**

Use the 'df' nodeshell command to check available space on the root volume. If the root volume is full, free some space on the root volume and retry the operation. If the root volume is not full, the system might be running low on memory. Contact NetApp technical support for further assistance.

### **Syslog Message**

registry: Cannot update %s file.

### **Parameters**

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

## **reg.file.writeFail**

### **Severity**

ERROR

### **Description**

Could not write to a system registry file.

### **Corrective Action**

Use the 'df' command to check available space on the the root volume. If the root volume is full, free some space on the root volume. If the root volume is not full, the system might be running low on memory. Contact NetApp technical support.

## Syslog Message

registry: Cannot write to %s file. %s.

## Parameters

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

**errmsg** (STRING): Internal error message explaining why data could not be written to the file.

## reg.file.writeMismatch

### Severity

ERROR

### Description

Could not write completely to a system registry file.

### Corrective Action

Use the 'df' command to check available space on the root volume. If the root volume is full, free some space on the root volume. If the root volume is not full, the system might be running low on memory. Contact NetApp technical support.

## Syslog Message

registry: Cannot write completely to %s file; expected %d, but wrote %d. %s.

## Parameters

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

**actualbytes** (INT): Number of bytes that were supposed to be written.

**written** (INT): Number of bytes that were actually written.

**errmsg** (STRING): Internal error message explaining why data could not be written completely to the file.

## reg.key events

### reg.key.invalid

#### Severity

ERROR

#### Description

This message occurs when ONTAP® software cannot access the registry because the key is not valid.

#### Corrective Action

Use a valid key.

## Syslog Message

registry: Invalid key %s: %s

## Parameters

**key** (STRING): Registry key that is not valid.

**reason** (STRING): Reason the key is not valid.

**accessID** (STRING): Shows how the registry was accessed.

## **reg.key.null**

### **Severity**

ERROR

### **Description**

This message occurs when the value of key is NULL while the registry set is being implemented on a vFiler(tm) key.

### **Corrective Action**

(None).

### **Syslog Message**

vfiler\_registry\_set: Set of key=%s received NULL for value.

### **Parameters**

**keyName** (STRING): Name of the key.

## **reg.options events**

### **reg.options.cf.change**

### **Severity**

NOTICE

### **Description**

This message occurs when an option is changed on one cluster node but applies to both the local and partner when the cluster is in takeover mode. The result is that the partner's setting will be overridden during takeover.

### **Corrective Action**

(None).

### **Syslog Message**

Option %s changed on one cluster node.

### **Parameters**

**name** (STRING): Name of the option

### **reg.options.cf.mismatch**

### **Severity**

ERROR

### **Description**

This message occurs during takeover processing when Data ONTAP(tm) discovers that a mismatch exists between the value of an option on the local node and an option on the partner node.

### **Corrective Action**

(None).

## Syslog Message

Option %s is not the same as on the partner node

## Parameters

**name** (STRING): Name of the option

## reg.options.nullCookie

### Severity

ERROR

### Description

This message occurs when an internal error occurs during the processing of the options portion of the registry.

### Corrective Action

Contact NetApp technical support.

## Syslog Message

registry: Unable to find the option in skiplist datastructure, but the option code is present in ONTAP. Error is %s.

## Parameters

**error** (STRING): Internal error code.

## reg.options.overrideRc

### Severity

ERROR

### Description

This message occurs when Data ONTAP(tm) (or an administrator) sets an option to be a value different than the value in /etc/rc. At the next reboot, the line in /etc/rc will override this setting and a reg.options.overrideRegistry message will be sent.

### Corrective Action

If you want the new option to be persistent, check the /etc/rc file for this key and remove it.

## Syslog Message

Setting option %s to '%s' conflicts with /etc/rc that sets it to '%s'.

## Parameters

**name** (STRING): Name of the option

**newValue** (STRING): New value for the option

**oldValue** (STRING): Existing value in /etc/rc

## reg.transaction events

## **reg.transaction.commitFail**

### **Severity**

ERROR

### **Description**

This message occurs when ONTAP® cannot commit a registry transaction. A system registry transaction is used to update a group of registry keys simultaneously.

### **Corrective Action**

Check to see whether the system is running low on memory. Contact NetApp technical support.

### **Syslog Message**

registry: Cannot commit transaction in '%s'. %s

### **Parameters**

**location** (STRING): Location where the failure occurred.

**errmsg** (STRING): Internal error message explaining why the transaction commit failed.

## **reg.transaction.createFail**

### **Severity**

ERROR

### **Description**

This message occurs when ONTAP® software cannot create a registry transaction. A system registry transaction is used to update a group of registry keys simultaneously.

### **Corrective Action**

Contact NetApp technical support.

### **Syslog Message**

registry: Cannot create transaction. Operation: %s.

### **Parameters**

**operation** (STRING): Registry operation involved in the failure.

## **reg.transaction.setkeyFail**

### **Severity**

ALERT

### **Description**

This message occurs when ONTAP® cannot set a registry key to a value within a registry transaction.

### **Corrective Action**

Because the transaction failed, modify the registry key manually. Follow the steps in KB article <https://kb.netapp.com/support/index?page=content&actp=LIST&id=S:1015964>.

### **Syslog Message**

registry: Transaction cannot set "%s" to "%s".

## Parameters

**key** (STRING): Registry key that should have been changed.

**value** (STRING): Value that the key should have been changed to.

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