exports events

ONTAP EMS reference

NetApp
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exports.anon events

exports.anon.noCredForId

Severity

ERROR

Description

This message occurs when we cannot get UNIX credentials for a user id when evaluating the "-anon" portion of an export-policy rule.

Corrective Action

If "-anon" is a UID, ensure that a valid UID exists on the configured name servers. If "-anon" is a username, ensure that a mapping exists between the username and the UID on the configured name servers and the resulting UID is also present.

Syslog Message

Cannot retrieve credentials for UID "%u" present in the "-anon" entry for the export-policy rule for Vserver "%d".

Parameters

anonId (INT): UNIX UID for which we cannot acquire credentials.
vserver (INT): Identifier of the Vserver owning the export-policy.

exports.dns events

exports.dns.config

Severity

ERROR

Description

This message occurs when a name services lookup request finds that DNS is configured as an ns-switch source for hosts, but DNS is not configured for the Vserver. Name services lookups using DNS do not function.

Corrective Action

Check the ns-switch sources for hosts database configured for the Vserver using "vserver services name-service ns-switch show -database hosts" and the DNS configuration for the Vserver using "vserver services name-service dns show". Either remove DNS as an ns-switch source, or configure DNS using the "vserver services name-service dns create" command.

Syslog Message

DNS is configured as a ns-switch source for hosts, but the DNS configuration is not found for Vserver "%s".

Parameters

vserver (STRING): Name of the Vserver on which the problem is occurring.

exports.dom events

exports.dom.notFound

Severity

ERROR

Description

This message occurs when the reverse lookup record mapping an IP address to its hostname cannot be found in the configured name servers. This record must be present to evaluate the export-policy rule that has a domain name in its clientmatch entry.

Corrective Action

The reverse mapping record might have been incorrectly entered, inadvertently removed from the name service, or never entered at all. Check the configuration with the appropriate tools for each name service.

Syslog Message

IP address "%s" does not have a reverse mapping for its corresponding hostname in the configured name servers when evaluating the export-policy rule at index "%u" in policy-id "%llu" for Vserver "%s".

Parameters

ipaddr (STRING): IP address of the client that does not have the reverse lookup record.
ruleindex (INT): Index of the export-policy rule for which the problem is occurring.
policyid (LONGINT): Identifier for the export-policy owning the export-policy rule.
vserver (STRING): Name of the data Vserver for which the problem is occurring.

exports.dom.transient

Severity

ERROR

Description

This message occurs when reverse lookup of the IP address of a client using the configured name servers in a data Vserver is unsuccessful for an export-policy rule that uses the domain name in clientmatch.

Corrective Action

The name service might not be functioning correctly. Check the configuration with the appropriate tools for each name service.

Syslog Message

IP address "%s" could not be resolved to a hostname (error %d) when evaluating export-policy rule at index "%u" in policy-id "%llu" in Vserver "%s".

Parameters

ipaddr (STRING): IP address of the client encountering the reverse lookup error.
retcode (INT): Error code returned by the name service reverse lookup.
ruleindex (INT): Index of the export-policy rule for which the problem is occurring.
policyid (LONGINT): Identifier for the export-policy owning the export-policy rule.
vserver (STRING): Name of the data Vserver for which the problem is occurring.

exports.hostname events

exports.hostname.notFound

Severity

INFORMATIONAL

Description

This message occurs when the forward lookup record mapping a host name to its IP address is not found in the configured name servers in a Vserver. This record must be present to evaluate the export-policy rule that has a host name in its clientmatch entry.

Corrective Action

Ensure that the host has an interface configured for this address family, that the host name is correctly entered, that the host was not inadvertently removed from the name service, or that the host name was never entered at all. If the host should have an address for this address family, then check the configuration by using the appropriate tools for each name service.

Syslog Message

Hostname "%s" does not have a forward mapping for its corresponding %s address in the configured name servers when evaluating the export-policy rule at index "%u" in policy-id "%llu" for Vserver "%s".

Parameters

hostname (STRING): Name of the host that is not found.
addrfamily (STRING): Name of the address family for which the problem occurs.
ruleindex (INT): Index of the export-policy rule for which the problem occurs.
policyid (LONGINT): Identifier for the export-policy that owns the export-policy rule.
vserver (STRING): Name of the Vserver for which the problem occurs.

exports.hostname.transient

Severity

ERROR

Description

This message occurs when a host named in a clientmatch entry of an export-policy rule is not resolved to an IP address using the configured name servers in a data Vserver.

Corrective Action

Ensure that the name service is functioning correctly by checking the configuration by using the appropriate tools for each name service.

Syslog Message

Hostname "%s" could not be resolved to an %s address (error %d) when evaluating export-policy rule at index "%u" in policy-id "%llu" on Vserver "%s".

Parameters

hostname (STRING): Name of the host that is not resolved.
addrfamily (STRING): Name of the address family for which the problem occurs.
retcode (INT): Error code returned by the name service lookup.
ruleindex (INT): Index of the export-policy rule for which the problem occurs.

policyid (LONGINT): Identifier for the export-policy that owns the export-policy rule.
vserver (STRING): Name of the data Vserver for which the problem occurs.

exports.netgroup events

exports.netgroup.dnsNoPtrRec

Severity

ERROR

Description

This message occurs when the reverse lookup record mapping an IP address to its hostname cannot be found in the configured name servers. This record must be present to evaluate the membership of a hostname in the netgroup named in the clientmatch of an export-policy rule.

Corrective Action

The reverse mapping record might have been incorrectly entered, inadvertently removed from the name service, or never entered at all. Check the configuration with the appropriate tools for each name service.

Syslog Message

IP address "%s" does not have a reverse mapping for its corresponding hostname in the configured name servers when evaluating the export-policy rules for netgroup "%s" on Vserver "%s".

Parameters

ipaddr (STRING): IP address of the client that does not have the reverse lookup record.
netgroup (STRING): Name of the netgroup that is being evaluated.
vserver (STRING): Name of the Vserver for which the problem is occurring.

exports.netgroup.notFound

Severity

ERROR

Description

This message occurs when a netgroup named in a clientmatch of an export-policy rule is not found in the configured name servers.

Corrective Action

The netgroup name might have been incorrectly entered, inadvertently removed from the name service, or never entered at all. Check the configuration with the appropriate tools for each name service.

Syslog Message

Netgroup "%s" cannot be found when evaluating export-policy rules on Vserver "%s".

Parameters

netgroup (STRING): Name of the netgroup that is not being found.
vserver (STRING): Name of the Vserver for which the problem is occurring.

exports.netgroup.partial

Severity

ERROR

Description

This message occurs when partial netgroup results are returned by the name services because of errors in the netgroup mapping.

Corrective Action

If the netgroup mapping is greater than 1024 characters for netgroups on Network Information Service (NIS) or 4096 for netgroups in a local file, consider creating a sub netgroup to divide it. If the nesting of the netgroup is too deep, consider reducing the depth by adding the entries directly to the netgroup instead of adding to sub netgroups. If the netgroup has a sub netgroup that is not available as a top level netgroup in the mapping, add an empty entry for the sub netgroup to resolve the error. Ensure the line length and nesting limits are not exceeded.

Syslog Message

Netgroup %s expansion failed with %s (error: %d) when evaluating export-policy rules on Vserver "%s".

Parameters

netgroup (STRING): Name of the netgroup that could not be expanded.
reason (STRING): Specific reason for the netgroup expansion failure.
error (INT): Error code returned during netgroup expansion.
vserver (STRING): Name of the Vserver in which the problem is occurring.

exports.ngbh events

exports.ngbh.allFailed

Severity

ERROR

Description

This message occurs when a netgroup by host request fails because all ns-switch sources for the netgroup database have returned connection errors and files are unusable as a source.

Corrective Action

There might be temporary connectivity issues with the Vserver’s configured ns-switch sources for the netgroup database. Check connectivity to the name servers configured for netgroups.

Syslog Message

Connectivity issues encountered in all ns-switch sources when matching Client IP "%s" in Netgroup "%s" for Vserver "%s".

Parameters

client (STRING): IP address of the client for which the lookup failed.
netgroup (STRING): Name of the netgroup being evaluated.
vserver (STRING): Name of the Vserver where the problem is occurring.

exports.nsdb events

exports.nsdb.anonNameToId

Severity

ERROR

Description

This message occurs when a user string cannot be mapped to a user id when evaluating the "-anon" portion of an export-policy rule.

Corrective Action

If the "-anon" value is a name, ensure that a mapping from that name to a UID exists in the configured name services. For both a name and a UID entry in "-anon", ensure that the resulting UID exists in the configured name services.

Syslog Message

Cannot retrieve UID for UNIX username "%s" present in the "-anon" entry for the export-policy rule for Vserver "%d".

Parameters

anon (STRING): Anonymous string that cannot be mapped to a user id.
vserver (INT): Name of the Vserver owning the export-policy.

exports.policy events

exports.policy.empty

Severity

NOTICE

Description

This message occurs when an export policy with no rules is assigned to a volume or a qtree. Such an empty policy makes the volume or qtree inaccessible to NFS and CIFS protocol clients.

Corrective Action

If access is needed for the volume or qtree, then create an export policy rule using the "export-policy rule create" command.

Syslog Message

An export policy "%s" with no rules was assigned to a %s "%s" on the Vserver %s.

Parameters

policyName (STRING): Name of the export policy with no rules.
type (STRING): Type of object (volume or qtree).
typeName (STRING): Name of the volume or qtree.
vserver (STRING): Name of the Vserver with this issue.

exports.policy.last.rule

Severity

ERROR

Description

This message occurs when the last rule from the export policy assigned to a volume or qtree is deleted. An empty policy will make the volume or qtree inaccessible to clients using NFS or CIFS protocol.

Corrective Action

If access is needed for the volume or qtree, then create an export policy rule using the "export-policy rule create" command.

Syslog Message

The last rule from export policy "%s" was deleted on Vserver %s.

Parameters

policyName (STRING): Name of the export policy from which the rule is being deleted.
vserver (STRING): Name of the Vserver where the issue occurs.

exports.policy.rule.limit

Severity

ALERT

Description

This message occurs when the export-policy rule count is beyond the supported value. This can lead to ONTAP service disruption.

Corrective Action

There are two possible actions : - Delete one or more existing export policy rule using the "vserver export-policy rule delete" command. - Use an existing export policy rule that is configured the same way as the desired new rule. Modify the existing rule’s "-clientmatch" property to include the client list/netgroups/netmask/domain needing to be added. See the "vserver export-policy rule modify" man page for more details.For more information, contactNetApp technical support.

Syslog Message

The current cluster export policy rule count %s rules has crossed the supported value of %s rules.

Parameters

currentRuleCount (STRING): Count of the export policy rules.
ruleLimit (STRING): Count of the export policy rule cluster limit.

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