NetApp

vsdr events

ONTAP 9.13.1 EMS reference

NetApp
February 12, 2024

Table of Contents

vsdr events

vsdr.adtcreate events

vsdr.adtcreate.fail

Severity

ERROR

Description

This message occurs when an audit staging volume cannot be created at the destination cluster in Async-DR (asynchronous disaster recovery), either because there is not enough disk space on the aggregates or the aggregates are in offline state.

Corrective Action

If the aggregates are offline, bring them online. Ensure that each aggregate has at least 2GB of free space, adding disks, reducing volume size or moving volumes as needed, and then try the following commands: Then try the following commands: prompt> snapmirror initialize prompt> snapmirror resync

Syslog Message

Vserver audit create failed at the destination cluster with Async-DR.

Parameters

(None).

vsdr.app events

vsdr.app.cg.conflict

Severity

NOTICE

Description

This message occurs during the configuration replication phase of a Vserver DR transfer when the consistency group that the system is trying to replicate already exists in the cluster on a different Vserver.

Corrective Action

Remove the existing consistency group or make the Vserver that has the conflicting consistency group in it the destination in the Vserver DR relationship.

Syslog Message

Consistency group %s cannot be created in Vserver %s due to conflicting consistency group %s in Vserver %s.

Parameters

consistency_group (STRING): Name of the consistency group that the system is trying to replicate.
destination_vserver (STRING): Name of the destination Vserver into which the consistency group is being replicated.
conflicting_consistency_group (STRING): Name of the conflicting consistency group.
found_in_vserver (STRING): Name of the Vserver in which the conflicting consistency group was found.

vsdr.clone events

vsdr.clone.cleanup.fail

Severity

ERROR

Description

This message occurs when a clone create job fails prematurely. As result, there is a partially created clone in the cluster.

Corrective Action

Use the (privilege: diag) "debug vreport show -type volume" command to show the list of inconsistent volumes. For each of these inconsistent volumes, use the (privilege: diag) "debug vreport fix -type volume" command to resolve all of the issues. If this is a SnapMirror® or MetroCluster(tm) environment, run the "snapmirror resync" command or the "metrocluster vserver resync" command, respectively, after the inconsistencies are resolved.

Syslog Message

Clone create job failed prematurely for volume "%s" (Vserver Id %d). Reason:%s.

Parameters

volume (STRING): Name of the clone volume for which the create operation failed.
vserver_id (INT): ID of the Vserver that owns the volume.
errmsg (STRING): Error message string.

vsdr.clone.splitOnSource

Severity

ERROR

Description

This message occurs when a clone volume is split on the source Vserver in a Vserver DR setup, and a SnapMirror® transfer is initiated after this operation.

Corrective Action

Run the "volume clone split start" command to split the volume on the dp-destination Vserver. Then run the "volume delete" command to remove the volume from the dp-destination Vserver. Then run the "snapmirror resync" command on the VserverDR relationship.

Syslog Message

The volume "%s" of Vserver "%s" has been split on the source Vserver. Split the clone volume on the destination as well. After splitting, delete the volume and execute a "snapmirror resync" command.

Parameters

volume_name (STRING): Volume clone that needs to be split.
vserver_name (STRING): Vserver name for which the SnapMirror transfer has been initiated.

vsdr.clonetmp events

vsdr.clonetmp.msid.conflict

Severity

ERROR

Description

This message occurs during a SnapMirror® resync operation on a Storage Virtual Machine (SVM) disaster recovery (DR) relationship, when the MSID of a volume on the source SVM is the same as the MSID of a temporary volume on the destination SVM and the temporary volume is created for a clone parent volume. The resync operation fails to start.

Corrective Action

Split the clone volume by using the "volume clone split start" command or delete the clone volume by using the "volume delete" command, and then remove the temporary volume by using the "volume delete" command before executing another "snapmirror resync" command.

Syslog Message

The MSID of temporary clone parent volume "%s" on the destination SVM "%s" conflicts with the MSID of volume "%s" on the source".

Parameters

tmp_volume_name (STRING): Volume name of the temporary volume on the destination SVM that is a parent of a clone volume.
vserver_name (STRING): SVM name for which the SnapMirror resync was initiated.
src_volume_name (STRING): Volume name on the source SVM.

vsdr.cluster events

vsdr.cluster.sourceVersionIsHigherThanDestination

Severity

ERROR

Description

This message occurs when a source cluster of SVMDR relationship is at higher version than destination cluster.

Corrective Action

Upgrade source cluster and destination cluster to the same verion.

Syslog Message

Resync failed becuase source cluster version "%s" is higher than destination cluster version "%s"

Parameters

source_cluster_version (STRING): Version of source cluster of SVMDR relationship.
destination_cluster_version (STRING): Version of destination cluster of SVMDR relationship.

vsdr.fpvolallpolicy events

vsdr.FPVolAllPolicy

Severity
ALERT

Description
This message occurs when SnapMirror® transfer happens between the source volume of an SVM disaster recovery (SVMDR) relationship having a tiering policy of "all" residing on a FabricPool aggregate on the primary cluster and destination volume residing on a FabricPool aggregate at the secondary cluster. SnapMirror transfer will be slow and might cause recovery point objective (RPO) to be missed.

Corrective Action
Move the source volume of the SVMDR relationship from the FabricPool aggregate to a non-FabricPool aggregate at the primary cluster or modify the volume tiering policy of the source volume. To move the source volume, use the "volume move start -vserver <vserver-name> -volume <volume-name> -destination -aggregate <aggregate> command." To modify the volume tiering policy, use the "volume modify -volume <volume-name> -vserver <vserver-name> -tiering-policy <snapshot-only|none|auto>" command.

Syslog Message
SnapMirror® transfer between source volume "%s" on Vserver "%s" on a FabricPool aggregate having a tiering policy of "all" on the primary cluster and the destination volume on a FabricPool aggregate at the destination cluster will be slow.

Parameters
source_volume_name (STRING): Name of the source volume on FabricPool aggregate of SVMDR relationship.
src_vserver_name (STRING): Name of the source vserver name.

vsdr.fpvolallpolicyonfpaggr events

vsdr.FPVolAllPolicyOnFPAggr

Severity
ALERT

Description
This message occurs when source volume of an SVM disaster recovery (SVMDR) relationship having a volume tiering policy of "all" residing on FabricPool aggregate on the primary cluster is placed on a FabricPool aggregate at the destination cluster. SnapMirror® transfer will be slow and might cause recovery point objective(RPO) to be missed.

Corrective Action
Either move the source volume of the SVMDR relationship from the FabricPool aggregate to a non-FabricPool aggregate at the primary cluster or modify the volume tiering policy of the source volume. To move the source volume, use the "volume move start -vserver <vserver-name> -volume <volume-name> -destination-aggregate <aggregate> command." To modify the volume tiering policy, use the "volume modify -volume <volume-name> -vserver <vserver-name> -tiering-policy <snapshot-only|none|auto>" command.

Syslog Message

Source volume "%s" of the SVMDR relationship residing on a FabricPool aggregate having a tiering policy of "all" on the primary cluster is placed on FabricPool aggregate "%s" at the destination cluster.

Parameters

source_volume_name (STRING): Name of the source volume on the FabricPool aggregate of the SVMDR relationship.
dest_aggr_name (STRING): Name of the destination FabricPool aggregate at the secondary cluster.

vsdr.fpvoldropqospolicy events

vsdr.FPVolDropQosPolicy

Severity

NOTICE

Description

This message occurs when the system clears or drops an incompatible quality of service (QoS) policy group setting with minimum throughput value set on a destination volume having tiering policy other than "none" on a FabricPool aggregate at the destination cluster.

Corrective Action

(None).

Syslog Message

QoS policy group with minimum throughput setting cannot be set on the volume "%s" on storage virtual machine (SVM) "%s" on a FabricPool aggregate having a tiering policy other than "none".

Parameters

source_volume_name (STRING): Name of the source volume on FabricPool aggregate of SVM DR relationship.
src_vserver_name (STRING): Name of the source SVM.

vsdr.fpvolonnonfpaggr events

vsdr.FPVolOnNonFPAggr

Severity

NOTICE

Description

This message occurs when a source volume of an SVM disaster recovery (SVMDR) relationship residing on a FabricPool aggregate at the primary cluster is placed on a non-FabricPool aggregate at the secondary cluster.

Corrective Action

Move the source volume of SVMDR relationship from the FabricPool aggregate to a non-FabricPool aggregate at the primary cluster by using the "volume move start -vserver <vserver-name> -volume <volume-name> -destination-aggregate <aggregate>" command.

Syslog Message

Source volume "%s" of the SVMDR relationship residing on a FabricPool aggregate on the primary cluster is placed on a non-FabricPool aggregate "%s" at the destination cluster.

Parameters

source_volume_name (STRING): Name of the source volume on the FabricPool aggregate of the SVMDR relationship.
dest_aggr_name (STRING): Name of the destination non-FabricPool aggregate at the secondary cluster.

vsdr.invalid events

vsdr.invalid.license

Severity

ERROR

Description

This message occurs when a package is licensed at the primary site but not licensed at the secondary site in a MetroCluster(tm) configuration or Vserver DR setup.

Corrective Action

Install at the secondary site a license that is valid for the package. If this is a SnapMirror® or MetroCluster(tm) environment, run the "snapmirror resync" command or the "metrocluster vserver resync" command respectively to resynchronize the Vserver configuration.

Syslog Message

Configuration replication on vserver %s failed due to an invalid license for package %s.

Parameters

vserver_name (STRING): Name of the Vserver.
package_name (STRING): Name of the package for which the license is to be added.

vsdr.ip events

vsdr.ip.lif.auto.created

Severity

NOTICE

Description

This message occurs when a logical interface (LIF) is automatically created through configuration replication in a MetroCluster™ configuration.

Corrective Action

(None).

Syslog Message

LIF %s in Vserver %s was created on port %s on node %s.

Parameters

lif (STRING): LIF name.
vserver_name (STRING): Vserver name.
port_name (STRING): Name of the home port of the LIF.
node_name (STRING): Name of the home node of the LIF.

vsdr.ip.lif.home.changed

Severity

NOTICE

Description

This message occurs when the home port or node of an existing IP logical interface (LIF) is modified during LIF placement in a MetroCluster™ configuration.

Corrective Action

(None).

Syslog Message

Home port and node changed from %s, %s to %s, %s while placing LIF %s in Vserver %s.

Parameters

old_port_name (STRING): Name of the previous home port of the existing IP LIF.
old_node_name (STRING): Name of the previous home node of the existing IP LIF.
port_name (STRING): Name of the current home port of the existing IP LIF.
node_name (STRING): Name of the current home node of the existing IP LIF.
lif (STRING): LIF name.
vserver_name (STRING): Vserver name.

vsdr.missing events

vsdr.missing.clone.parent.volume

Severity

ERROR

Description

This message occurs when the clone parent volume does not exist during the Vserver SnapMirror®/MetroCluster(tm) baseline replication on the secondary site. Vserver SnapMirror/MetroCluster replication will be blocked until this problem is resolved, and delaying action on this problem will lead to inconsistent data on the primary and secondary sites.

Corrective Action

Use the (privilege: diag) "debug vreport show -type volume" command on the primary site to show the list of inconsistent volumes. For each of these inconsistent volumes, use the (privilege: diag) "debug vreport fix -type volume" command to resolve all of the issues on the Vserver SnapMirror/MetroCluster primary site. After the above problem is resolved, run the "snapmirror resync/metrocluster vserver resync" command.

Syslog Message

Parent volume for clone volume %s:%s is missing.

Parameters

vserver (STRING): Name of the Vserver.
volume (STRING): Name of the clone volume for which the corresponding parent volume is missing.

vsdr.net events

vsdr.net.IPInDiffVserver

Severity

ERROR

Description

This message occurs when the system tries to automatically replicate a logical interface (LIF) in a MetroCluster™ configuration or Vserver DR setup and the IP address of the LIF that is being created already exists in another Vserver.

Corrective Action

Change the IP address of the LIF in the other Vserver or remove the LIF so that creation of the LIF succeeds and configuration replication continues.

Syslog Message

Cannot create LIF %s with IP address %s in Vserver %s because another LIF with the same IP exists in another Vserver.

Parameters

lif (STRING): LIF name.
ipaddr (STRING): IP address of the LIF.
vserver_name (STRING): Vserver name.

vsdr.net.LifIpCollision

Severity

ERROR

Description

This message occurs in an ID-Preserve VserverDR configuration of clustered Data ONTAP®, when a non-SAN LIF created on the source Storage Virtual Machine(SVM) has the same IP address as an iSCSI LIF on the destination SVM.

Corrective Action

Assign a unique IP address for the iSCSI LIF on the destination SVM.

Syslog Message

An iSCSI LIF is configured in the destination SVM %s with the same IP address (%s) as the source LIF (%s). Assign a unique IP address to the iSCSI LIF (%s) by modifying the LIF on the destination SVM.

Parameters

vserver_name (STRING): SVM name.
ip_address (STRING): IP address of the iSCSI LIF on the destination SVM.
source_lif_name (STRING): Source LIF name.
destination_lif_name (STRING): Destination LIF name.

vsdr.net.LifNameCollision

Severity

ERROR

Description

This message occurs in an ID-Preserve VserverDR configuration of clustered Data ONTAP®, when a non-SAN LIF created on the source Storage Virtual Machine(SVM) has the same name as a SAN LIF on the destination SVM.

Corrective Action

Assign a unique LIF name for the SAN LIF on the destination SVM.

Syslog Message

A SAN LIF is configured in the destination SVM %s with the same name as the source LIF. Assign a unique name to the SAN LIF (%s) by modifying the LIF name on the destination SVM.

Parameters

vserver_name (STRING): SVM name.
lif_name (STRING): Source and Destination LIF name.

vsdr.net.LifNotReachable

Severity

ERROR

Description

This message occurs when a logical interface (LIF) modify operation is performed on the source cluster without changing the home node and home port, and the LIF placement fails when the configuration is being replicated.

Corrective Action

Ensure that the destination cluster has ports that have connectivity to the LIF on the source cluster.

Syslog Message

The LIF %s in DR partner Vserver of Vserver %s is not reachable from the local cluster.

Parameters

lif (STRING): The LIF name.
vserver_name (STRING): The Vserver name.

vsdr.net.NoPortsInBD

Severity

ERROR

Description

This message occurs when the system tries to automatically replicate a logical interface (LIF) in a MetroCluster™ configuration or Vserver DR setup, and it cannot find any ports in a broadcast domain in a cluster.

Corrective Action

Add at least one port to the broadcast domain in the IPspace using the "network port broadcast-domain add-ports" command and then resynchronize the Vserver configuration using the "metrocluster vserver resync" command.

Syslog Message

Cannot find ports in broadcast domain %s in IPspace %s for placing LIF %s in Vserver %s.

Parameters

broadcast_domain (STRING): The Broadcast domain.
ipspace_name (STRING): The IPspace name.
lif (STRING): The LIF name.
vserver_name (STRING): The Vserver name.

vsdr.net.NoPortsInIpsOnNode

Severity

ERROR

Description

This message occurs when the system tries to automatically replicate a logical interface (LIF) in a MetroCluster™ configuration or Vserver DR setup, and it cannot find any ports in an IPspace on a particular node.

Corrective Action

Add at least one port belonging to the node to the IPspace by using the "network port broadcast-domain add-ports" command and then resynchronize the Vserver configuration using the "metrocluster vserver resync" command.

Syslog Message

Cannot find ports in IPspace %s on node %s for placing LIF %s in Vserver %s.

Parameters

ipspace_name (STRING): The IPspace name.
node_name (STRING): Name of the node to which LIFs could not be replicated.
lif (STRING): The LIF name.
vserver_name (STRING): Vserver name.

vsdr.net.NoPortsInIpspace

Severity

ERROR

Description

This message occurs when the system tries to automatically replicate a logical interface (LIF) in a MetroCluster™ configuration or Vserver DR setup, and it cannot find any ports in an IPspace in a cluster.

Corrective Action

Add at least one port to the IPspace by using the "network port broadcast-domain add-ports" command and then resynchronize the Vserver configuration using the "metrocluster vserver resync" command.

Cannot find ports in IPspace %s for placing LIF %s in Vserver %s.

Parameters

ipspace_name (STRING): The IPspace name.
lif (STRING): The LIF name.
vserver_name (STRING): The Vserver name.

vsdr.net.NoVipPortInIpsNode

Severity

ERROR

Description

This message occurs when the system attempts to replicate a logical interface (LIF) associated with the Virtual IP (VIP) feature to a node where no BGP peer group is available in the target IPspace. This configuration replication functionality is exercised by systems in a MetroCluster(tm).

Corrective Action

Use the "network bgp peer-group create" command to create a BGP peer group in the target IPspace on the affected node, and then use the "metrocluster vserver resync" command to recover from the failed replication.

Syslog Message

Cannot find a VIP port in IPspace %s on node %s for placing VIP LIF %s in Vserver %s.

Parameters

ipspace_name (STRING): IPspace name.
node_name (STRING): Name of the node to which VIP LIFs could not be replicated.
lif (STRING): VIP LIF name.
vserver_name (STRING): Vserver name.

vsdr.net.NoVipPortInIpspace

Severity

ERROR

Description

This message occurs when the system attempts to replicate a logical interface (LIF) associated with the Virtual IP (VIP) feature in a MetroCluster™ configuration or Vserver DR setup, and the Border Gateway Protocol (BGP) is not configured in the target IPspace.

Corrective Action

Use the "network bgp peer-group create" command to create a BGP peer group in the target IPspace, and then use the "metrocluster vserver resync" command to recover from the failed replication.

Syslog Message

Cannot find a VIP port in IPspace %s for placing VIP LIF %s in Vserver %s.

Parameters

ipspace_name (STRING): IPspace name.

lif (STRING): VIP LIF name.
vserver_name (STRING): Vserver name.

vsdr.net.v6optdisabled

Severity

ERROR

Description

This message occurs in a MetroCluster™ configuration when the system is trying to replicate an IPv6 LIF, but IPv6 is not enabled on the cluster.

Corrective Action

Enable IPv6 by using the "network options ipv6 modify -enabled true" command, and then run the "metrocluster vserver resync" command on the source cluster.

Syslog Message

Cannot create LIF %s in Vserver %s because IPv6 is not enabled in the cluster.

Parameters

lif (STRING): LIF name.
vserver_name (STRING): Vserver name.

vsdr.net.v6optdisabledroute

Severity

ERROR

Description

This message occurs when the system is trying to replicate an IPv6 route in a MetroCluster™ configuration, but IPv6 is not enabled on the cluster.

Corrective Action

Enable IPv6 by using the "network options ipv6 modify -enabled true" command, and then run the "metrocluster vserver resync" command on the source cluster.

Syslog Message

Cannot create route %s with gateway %s in Vserver %s because IPv6 is not enabled in the cluster.

Parameters

route (STRING): Route destination and mask.
gateway (STRING): Gateway of the route.
vserver_name (STRING): Vserver name.

vsdr.nonfpvolonfpaggr events

vsdr.nonFPVolOnFPAggr

Severity

NOTICE

Description

This message occurs when the source volume of an SVM disaster recovery (SVMDR) relationship residing on a non-FabricPool aggregate at the primary cluster is placed on a FabricPool aggregate at the secondary cluster.

Corrective Action

Move the source volume of the SVMDR relationship from the non-FabricPool aggregate to a FabricPool aggregate at the primary cluster by using the "volume move start -vserver <vserver-name> -volume <volume-name> -destination-aggregate <aggregate>" command.

Syslog Message

Source volume "%s" of the SVMDR relationship residing at a nonFabricPool aggregate at the primary cluster is placed on a FabricPool aggregate "%s" at the destination cluster.

Parameters

source_volume_name (STRING): Name of the source volume on the non-FabricPool aggregate of the SVMDR relationship.
dest_aggr_name (STRING): Name of the destination FabricPool aggregate at the secondary cluster.

vsdr.periodic events

vsdr.periodic.check.errors

Severity

ERROR

Description

This message occurs when the Vserver DR subsystem periodic check detects issues with the Vserver DR components. These issues could potentially result in a degraded Vserver DR relationship. So, some corrective action is required by the admin to resolve the issue.

Corrective Action

Contact NetApp technical support to identify and resolve the issues with Vserver DR components.

Syslog Message

Vserver DR check between source Vserver %s and destination Vserver %s found issues with the attribute %s.

Parameters

source_vserver (STRING): Name of the source Vserver of the Vserver DR relationship.
destination_vserver (STRING): Name of the destination Vserver of the Vserver DR relationship.
attribute (STRING): Name of the attribute that is being checked.

vsdr.periodic.msid.preserve

Severity

ALERT

Description

Vserver DR subsystem has detected that volume MSIDs are not preserved. This would require remounting NFS clients after a DR fail-over. Such relationships may not be supported in future ONTAP releases.

Convert the relationship into an MSID preserving relationship. As part of conversion, the DR Vserver will be stopped and the volume MSIDs will be re-stamped.

Corrective Action

See the KB article https://kb.netapp.com/support/s/article/How-to-convert-DR-Relationship-into-MSID-preserving-relation for more information on how to convert the relationship into an MSID preserving one.

Syslog Message

Vserver DR: Possibly deprecated variant of Vserver DR relationship for the destination Vserver %s.

Parameters

destination_vserver (STRING): Name of the destination Vserver of the Vserver DR relationship.

vsdr.qos events

vsdr.QoS.MaxQoSPGs

Severity

ERROR

Description

This message occurs during QoS configuration replication in a MetroCluster(tm) setup when there are maximum number of QoS policy groups already existing on the destination cluster and the system attempts to create a new QoS policy group.

Corrective Action

Delete few QoS policy groups on the destination cluster using "qos policy-group delete" command and then resynchronize the configuration from the source cluster using "metrocluster vserver resync" command.

Syslog Message

Reached the maximum of %d QoS policy groups. Cannot create QoS policy group %s in Vserver %s.

Parameters

max_QoS_groups (INT): Maximum number of QoS policy groups.
QoS_policy_group (STRING): QoS policy group name.
vserver_name (STRING): Vserver name.

vsdr.qos.pg.conflict

Severity

NOTICE

Description

This message occurs during the configuration replication phase of a Vserver DR transfer when the Quality of Service (QoS) policy group that the system is trying to replicate already exists in the cluster on a different Vserver.

Corrective Action

Remove the existing QoS policy group or make the Vserver that already has the QoS policy group in it the destination in the Vserver DR relationship.

Syslog Message

QoS policy group %s cannot be created in Vserver %s as the same QoS policy exists in Vserver %s.

Parameters

qos_policy_group (STRING): Name of the QoS policy group that the system is trying to replicate.
destination_vserver (STRING): Name of the destination Vserver into which the QoS policy group is being replicated.
found_in_vserver (STRING): Name of the Vserver in which the same QoS policy group was found.

vsdr.rootvol events

vsdr.rootvol.has.data

Severity

NOTICE

Description

This message occurs when the system detects that there is data in the Server Virtual Machine root volume during a disaster recovery (DR) transfer phase. Vserver DR does not protect root volumes.

Corrective Action

Move the data to a nonroot volume of the Vserver if it needs to be protected using DR.

Syslog Message

Vserver %s has data in the root volume. Vserver DR does not protect data in the root volume.

Parameters

vserver (STRING): Name of the Vserver.

vsdr.ruleaddedtosmpolicy events

vsdr.RuleAddedToSmPolicy

Severity

NOTICE

Description

This message occurs when a MAX Data® schedule update adds a new rule to a SnapMirror® policy with the "mirror-vault" type. The update is part of an SVM disaster recovery (SVMDR) relationship.

Corrective Action

(None).

Syslog Message

New rule with SnapMirror label "%s" is added to SnapMirror policy "%s" of Vserver "%s" used by the Vserver DR relationship.

Parameters

snapmirror_label (STRING): Name of the SnapMirror label.
sm_policy_name (STRING): Name of the SnapMirror policy.

vserver_name (STRING): Name of the Vserver of Vserver DR relationship.

vsdr.rulemodifiedofsmpolicy events

vsdr.RuleModifiedOfSmPolicy

Severity

ALERT

Description

This message occurs when a rule attached to a SnapMirror® policy with "mirror-vault" type must be modified, so that L2 scheduled snapshots can be reused during a MAX Data schedule update.

Corrective Action

Modify the SnapMirror policy rule by using the "snapmirror policy modify-rule -vserver <vserver-name> -policy <policy-name> -snapmirror-label<snapmirror-label-name> -preserve false" command.

Syslog Message

Rule with SnapMirror label "%s" present in SnapMirror policy "%s" on Vserver "%s" used by the Vserver DR relationship needs to be modified.

Parameters

snapmirror_label (STRING): Name of the SnapMirror label.
sm_policy_name (STRING): Name of the SnapMirror policy.
vserver_name (STRING): Name of the Vserver of Vserver DR relationship.

vsdr.schedule events

vsdr.schedule.unavailable

Severity

ERROR

Description

This message occurs when a schedule is not available on the secondary site for replication of policies for a Vserver in a MetroCluster(tm) configuration or Vserver DR setup.

Corrective Action

Create a new job schedule on the remote site that is identical to that on the source site by using the 'job schedule cron create' command. If this is a SnapMirror® or MetroCluster(tm) environment, run the "snapmirror resync" command or the "metrocluster vserver resync" command respectively to resynchronize the Vserver configuration.

Syslog Message

Configuration replication for policy "%s" in Vserver "%s" has failed because the schedule mentioned in the policy is not available.

Parameters

policy_name (STRING): Name of the policy that has a schedule that is unavailable on the secondary site.
vserver_name (STRING): Vserver name on which the policy was associated.

vsdr.vol events

vsdr.vol.aff.inline.dedup

Severity

ALERT

Description

This message occurs when a Vserver DR subsystem does not enable inline deduplication on the destination volume. Inline deduplication is not enabled when the destination volume is on neither an AFF system nor a hybrid aggregate.

Corrective Action

If inline deduplication is required on the destination volume, move the volume to a hybrid aggregate, and then enable inline deduplication. For more information, refer to TR-4476.

Syslog Message

Vserver DR: The volume %s of the Vserver %s is on neither an AFF system nor a hybrid aggregate. Therefore, inline deduplication is not enabled on the volume.

Parameters

destination_volume (STRING): Name of the destination volume of the Vserver DR relationship.
destination_vserver (STRING): Name of the destination Vserver of the Vserver DR relationship.

vsdr.vol.aggregateoffline

Severity

ALERT

Description

This message occurs during configuration replication, when the aggregate on which the volume needs to be created or modified is either offline or not in the cluster.

Corrective Action

Log in to the cluster and bring the aggregate online by using the "storage aggregate online" command. If the node that owns the aggregate is down, bring it back up.

Syslog Message

Configuration replication for volume "%s" in Vserver "%s" has failed because the aggregate "%s" is offline.

Parameters

volume_name (STRING): Volume on which this error occurred.
aggregate_name (STRING): Name of the aggregate.
vserver_name (STRING): Vserver name for which configuration replication is happening.

vsdr.vol.clusterlifdown

Severity

ERROR

Description

This message occurs during configuration replication, when the the volume creation fails because the aggregate is not accessible because the cluster logical interface (LIF) is down.

Corrective Action

Log in to the source cluster and run the "network interface show" command to see the state of the cluster LIFs and to identify the down LIFs.Verify that port connectors, cabling, and cluster switch ports are correctly installed and configured.

Syslog Message

Configuration replication for volume "%s" in Vserver "%s" has failed because the cluster LIF is operationally down.

Parameters

volume_name (STRING): Volume on which this error occurred.
vserver_name (STRING): Vserver name for which configuration replication is happening.

vsdr.vol.compr.mismatch

Severity

ALERT

Description

This message occurs when a Vserver DR subsystem discovers a mismatch between the compression types of the source and destination volumes, and therefore do not apply the compression type setting of the source volume to the destination volume.

Corrective Action

Undo all off the compression savings on the destination volume, and then modify the compression type of the volume. For more information, refer to TR-4476.

Syslog Message

Vserver DR: Compression type of destination volume %s of Vserver %s is %s, which is different from the source volume compression type %s. Therefore, the compression type of the source volume was not applied on the destination volume.

Parameters

destination_volume (STRING): Name of the destination volume of the Vserver DR relationship.
destination_vserver (STRING): Name of the destination Vserver of the Vserver DR relationship.
destination_compression_type (STRING): Compression type of the destination volume.
source_compression_type (STRING): Compression type of the source volume.

vsdr.vol.duplicate.mdv.name

Severity

ERROR

Description

This message occurs when the configuration of a metadata volume cannot be replicated because there exists another metadata volume with the same name on the destination cluster.

Corrective Action

Contact NetApp technical support to remove one of the duplicate metadata volumes.

Syslog Message

Configuration replication for metadata volume "%s" in Vserver "%s" has failed because there exists another metadata volume with the same name on the destination cluster.

Parameters

volume_name (STRING): Volume on which this error occurred.
vserver_name (STRING): Name of the Vserver for which configuration replication is happening.

vsdr.vol.encryptsrc.plaindst

Severity

ALERT

Description

This message occurs when an encrypted volume at the source of a Vserver-DR setup is replicated as a non-encrypted volume at the destination. This can happen if: 1) the key management capability is not enabled at the destination Vserver; 2) the destination Vserver does not have an aggregate that supports encrypted volumes; or 3) the volume of the source Vserver has undergone a conversion operation from non-encrypted to encrypted.

Corrective Action

If necessary, set up the key management capability at the destination by using the "security key-manager setup" command. Ensure that the destination Vserver contains an aggregate that supports encrypted volumes. Use the "snapmirror show" command to determine the type of relationship. If the displayed type is "XDP", encrypt the destination volume by performing a conversion operation from non-encrypted to encrypted using the "volume encryption conversion start" command. However, if the type is "DP", encrypt the destination volume by performing a volume move operation using the "volume move start -encrypt -destination true" command.

Syslog Message

Source volume for volume "%s" in Vserver "%s" is encrypted, but it is replicated as a non-encrypted volume at the destination.

Parameters

dest_volume_name (STRING): Name of the destination volume.
source_vserver_name (STRING): Name of the source Vserver.
dest_vserver_name (STRING): Name of the destination Vserver.

vsdr.vol.junction.clash

Severity

ERROR

Description

This message occurs when the system detects a conflict in the junction path between the volumes of a source and destination Vserver during a SnapMirror resync operation.

Corrective Action

Unmount the destination volume or mount it at a different path, and then try the operation again.

Syslog Message

Source Vserver "%s" has volume "%s" and junction path "%s" that conflicts with destination Vserver "%s", volume "%s" and the same junction path "%s". Reason: The destination volume is excluded from Vserver DR protection in the reverse direction.

Parameters

source_vserver_name (STRING): Name of the source Vserver.
src_volume_name (STRING): Name of the source volume.
src_volume_junction_path (STRING): Junction path of the source volume.
dest_vserver_name (STRING): Name of the destination Vserver.
dest_volume_name (STRING): Name of the destination volume.
dest_volume_junction_path (STRING): Junction path of the destination volume.

vsdr.vol.move.clone.child

Severity

ERROR

Description

This message occurs when a clone volume is moved in a Vserver DR setup. As a direct consequence, an implicit clone split occurs. The parent volume no longer has any relation with the child volume. Snapshots(tm) copies of the parent volume are unlocked and can get deleted, thereby affecting the SnapMirror® replication.

Corrective Action

Run "volume move" command to move the volume to the corresponding aggregate.

Syslog Message

The volume "%s" of Vserver "%s" has been moved. It is a clone volume. Move the clone volume as well.

Parameters

volume_name (STRING): Volume that has to be manually moved.
vserver_name (STRING): Vserver name for which configuration replication is happening.

vsdr.vol.move.clone.parent

Severity

ERROR

Description

This message occurs when the parent of a clone volume is moved in a Vserver disaster-recovery (DR) configuration. If the moved volume is deleted or its Snapshot® copies are deleted, the SnapMirror® transfer fails.

Corrective Action

Run the "volume move" command to move the volume to an appropriate aggregate. If the volume was deleted at the source and the transfer failed, additionally run "snapmirror resync".

Syslog Message

The volume "%s" of Vserver "%s "has been moved. The mirroring of this volume is at risk as it is the parent of a clone volume.

Parameters

volume_name (STRING): Volume that has to be manually moved.
vserver_name (STRING): Name of the Vserver for which configuration replication is happening.

vsdr.vol.name.clash

Severity

ERROR

Description

This message occurs when the source Vserver contains a volume with the same name as one on the destination Vserver, and the volume at the destination is excluded from Vserver Disaster Recovery(DR) Protection in the reverse direction. Future resynchronization attempts might fail unless the problem is resolved.

Corrective Action

Rename the source or the destination volume, and then try the operation again.

Syslog Message

The source Vserver "%s" has a volume with name "%s" while the destination Vserver "%s" has a volume with the same name "%s" that is excluded from Vserver DR Protection in the reverse direction.

Parameters

source_vserver_name (STRING): Name of the source Vserver in a Vserver DR setup.
src_volume_name (STRING): Name of the volume on the source Vserver.
dest_vserver_name (STRING): Name of the destination Vserver in a Vserver DR setup.
dest_volume_name (STRING): Name of the volume on the destination Vserver.

vsdr.vol.noparentvolume

Severity

ERROR

Description

This message occurs when the volume that needs to be created on the destination cluster has a parent volume that did not get replicated. The possible types of volumes for which this error can occur are LS, FlexCache®, and FlexClone®.

Corrective Action

Log in to the cluster and unlock the Vserver by using "vserver unlock" command at a diag privilege level, and then create the parent volume by using the "volume create" command. Lock the Vserver by using the "vserver lock" command, and start the configuration replication with a resync.

Syslog Message

Configuration replication for volume "%s" of type %s in Vserver "%s" has failed because the parent volume for this volume has not been replicated.

Parameters

volume_name (STRING): Volume on which this error occurred.
volume_type (STRING): Type of volume. Possible values could be LS, FlexCache, or FlexClone.
vserver_name (STRING): Vserver name for which configuration replication is happening.

vsdr.vol.nospaceinaggregate

Severity

ERROR

Description

This message occurs when there is no space left in the aggregate for new volumes to be created during configuration replication.

Corrective Action

Log in to the cluster and assign more disks to the aggregate.

Syslog Message

Configuration replication for volume "%s" in Vserver "%s" has failed because the aggregate "%s" does not have enough space.

Parameters

volume_name (STRING): Volume on which this error occurred.
vserver_name (STRING): Vserver name for which configuration replication is happening.
aggregate_name (STRING): Name of the aggregate.

vsdr.vol.nospaceinfabricpoolaggregate

Severity

ERROR

Description

This message occurs when there is not enough space left in the fabric pool aggregate for new volumes to be created during configuration replication.

Corrective Action

Log in to the cluster and assign more disks to the perf tier of fabric pool aggregate.

Syslog Message

Couldn't place volume "%s" of Vserver "%s" in fabric pool aggregate as there is not enough spece left in perf tier.

Parameters

volume_name (STRING): Volume on which this error occurred.
vserver_name (STRING): Vserver name for which configuration replication is happening.

vsdr.vol.protect.childmnt

Severity

ERROR

Description

This message occurs when a protected volume is mounted under an unprotected volume on the source of a Storage Virtual Machine (SVM) disaster recvoery (DR) relationship and a SnapMirror® transfer is subsequently initiated. Data continues to be served from this volume, but the volume is not protected by the DR relationship.

Corrective Action

Execute any of the following operations on the source cluster to ensure that parent and child volumes have matching protection types, and then invoke the "snapmirror resync" command. 1. Mount the volume under a protected volume. 2. Change the protection type of the parent volume in the junction-path to protected. 3. Change the protection type of the volume to unprotected. To change the protection type, use the command "volume modify -vserver vserver_name -volume volume_name -vserver-dr-protection".

Syslog Message

Unable to mount the volume %s:%s under an unprotected volume.

Parameters

vserver_name (STRING): Name of the SVM for which the SnapMirror transfer was initiated.
volume_name (STRING): Name of the volume that the system is trying to replicate on the destination SVM.

vsdr.vol.quota.off.fail

Severity

ALERT

Description

This message occurs when a Vserver DR subsystem fails to disable quotas on the destination volume.

Corrective Action

Disable quotas on the volume by using the "volume quota off".

Syslog Message

Vserver DR: Failed to disable quotas on volume %s of Vserver %s. Reason: %s

Parameters

destination_volume (STRING): Name of the destination volume of the Vserver DR relationship.
destination_vserver (STRING): Name of the destination Vserver of the Vserver DR relationship.
reason (STRING): Reason.

vsdr.vol.quota.on.fail

Severity

ALERT

Description

This message occurs when a Vserver DR subsystem fails to enable quotas on the destination volume.

Corrective Action

Enable quotas on the volume by using the "volume quota on" command.

Syslog Message

Vserver DR: Failed to enable quotas on volume %s of Vserver %s. Reason: %s

Parameters

destination_volume (STRING): Name of the destination volume of the Vserver DR relationship.
destination_vserver (STRING): Name of the destination Vserver of the Vserver DR relationship.
reason (STRING): Reason.

vsdr.vol.sg.data.compact

Severity

ALERT

Description

This message occurs when a Vserver DR subsystem does not enable data compaction on the destination volume. Data compaction is not enabled when the destination volume space guarantee setting is not set to "none".

Corrective Action

Set the space guarantee of the volume to "none", and then enable data compaction. For more information, refer to TR-4476.

Syslog Message

Vserver DR: Volume space guarantee setting for volume %s of Vserver %s is not set to "none". Therefore, data compaction is not enabled on the volume.

Parameters

destination_volume (STRING): Name of the destination volume of the Vserver DR relationship.
destination_vserver (STRING): Name of the destination Vserver of the Vserver DR relationship.

vsdr.vol.sg.inline.dedup

Severity

ALERT

Description

This message occurs when a Vserver DR subsystem does not enable cross volume inline deduplication on the destination volume. Inline deduplication is not enabled when the destination volume space guarantee setting is not set to "none".

Corrective Action

Set the space guarantee of the volume to "none", and then enable cross volume inline deduplication. For more information, refer to TR-4476.

Syslog Message

Vserver DR: Volume space guarantee setting for volume %s of Vserver %s is not set to "none". Therefore, cross volume inline deduplication is not enabled on the volume.

Parameters

destination_volume (STRING): Name of the destination volume of the Vserver DR relationship.
destination_vserver (STRING): Name of the destination Vserver of the Vserver DR relationship.

vsdr.vol.sis.capture.fail

Severity

ALERT

Description

This message occurs when a Vserver DR subsystem fails to replicate the efficiency configuration from the source volume to the destination volume.

Corrective Action

Manually enable the efficiency configuration on the destination volume. For more information, refer to TR-4476.

Syslog Message

Vserver DR: Failed to replicate the efficiency configuration on volume %s of Vserver %s. Reason: %s

Parameters

source_volume (STRING): Name of the source volume of the Vserver DR relationship.
source_vserver (STRING): Name of the source Vserver of the Vserver DR relationship.
reason (STRING): Reason for the failure.

vsdr.vol.sis.fail

Severity

ALERT

Description

This message occurs when a Vserver DR subsystem fails to apply the efficiency configuration on the destination volume.

Corrective Action

Manually apply the efficiency configuration on the volume. For more information, refer to TR-4476.

Syslog Message

Vserver DR: Failed to apply the efficiency configuration on volume %s of Vserver %s. Reason: %s

Parameters

destination_volume (STRING): Name of the destination volume of the Vserver DR relationship.
destination_vserver (STRING): Name of the destination Vserver of the Vserver DR relationship.
reason (STRING): Reason.

vsdr.vol.vldboffline

Severity

ALERT

Description

This message occurs when the volume location database (VLDB) goes offline during configuration replication. None of the volume services can commence without bringing it online.

Corrective Action

Retry the SnapMirror® operation by running the "snapmirror resync" command. If the problem persists, contact NetApp technical support.

Syslog Message

Configuration replication for volume "%s" in Vserver "%s" has failed because the VLDB is offline.

Parameters

volume_name (STRING): Volume on which this error occurred.
vserver_name (STRING): Vserver name for which configuration replication is happening.

vsdr.volmov events

vsdr.volmov.msid.conflict

Severity

ERROR

Description

This message occurs during a SnapMirror® resync operation on a Storage Virtual Machine (SVM) disaster recovery (DR) relationship, when the MSID of a volume on the source SVM is the same as the MSID of a temporary volume on the destination SVM and the temporary volume is created for a volume move operation. The resync operation fails to start.

Corrective Action

Abort the volume move operation by using the "volume move abort" command, or wait for the volume move operation to finish before issuing another "snapmirror resync" command on the SVM DR relationship.

Syslog Message

The MSID of temporary volume "%s" on the destination SVM "%s" conflicts with the MSID of volume "%s" on the source.

Parameters

tmp_volume_name (STRING): Volume name of the temporary volume on the destination SVM.
vserver_name (STRING): SVM name for which the SnapMirror resync was initiated.
src_volume_name (STRING): Volume name on the source SVM.

vsdr.volmove events

vsdr.volmove.esrc.plaindst

Severity

ALERT

Description

This message occurs when a volume at the source of a Vserver-DR setup is encrypted, but the volume at the destination is not configured to be encrypted.

Corrective Action

Verify that the intended destination aggregate supports encryption and Key Management capability is

enabled. If so, make the destination volume encrypted by performing a volume move operation at the destination: "volume move start -vserver <vserver-name> -volume <volume-name> -destination-aggregate <aggregate> -encrypt-destination true".

Syslog Message

Source volume for volume "%s" in Vserver "%s" is encrypted, but the destination is not.

Parameters

dest_vserver_name (STRING): Name of the destination Vserver.
dest_volume_name (STRING): Name of the destination volume.

vsdr.volmovsrcfpnonfpaggr events

vsdr.volMovSrcFPNonFPAggr

Severity

NOTICE

Description

This message occurs when a volume move operation is executed between FabricPool and non-FabricPool aggregates on the source Vserver of an SVM disaster recovery (SVMDR) relationship.

Corrective Action

If the aggregate type hosting the volume differs at the primary and secondary clusters, move the destination Vserver of the SVMDR relationship at the secondary cluster by using the "volume move start -vserver <vserver-name> -volume <volume-name> -destination-aggregate <aggregate>" command.

Syslog Message

Source volume "%s" on Vserver "%s" of the SVMDR relationship is moved from "%s" aggregate "%s" to "%s" aggregate "%s".

Parameters

source_volume_name (STRING): Name of the source volume of the SVMDR relationship.
source_vserver_name (STRING): Name of the source Vserver of the SVMDR relationship.
src_aggr_type (STRING): Source aggregate type, either FabricPool or non-FabricPool.
source_aggr_name (STRING): Name of the source aggregate at the primary cluster.
dest_aggr_type (STRING): Destination aggregate type, either FabricPool or non-FabricPool.
dest_aggr_name (STRING): Name of the destination aggregate at the primary cluster.

vsdr.volume events

vsdr.volume.idconflict

Severity

ERROR

Description

This message occurs when the the volume to be created on the destination cluster fails because of an internal identity conflict with another volume in the system.

Corrective Action

Log in to the source cluster and delete the volume by using the "volume delete" command.

Syslog Message

Configuration replication for volume "%s" in Vserver "%s" has failed because of an internal ID conflict.

Parameters

volume_name (STRING): Volume on which this error occurred.
vserver_name (STRING): Vserver name for which configuration replication is happening.

vsdr.volume.name.conflict

Severity

ERROR

Description

This message occurs during a SnapMirror resync® operation on a Storage Virtual Machine (SVM) disaster recvoery (DR) relationship, when a new volume needs to be created on the destination SVM but another volume with the same name already exists on it, and it is also the destination of a volume-level SnapMirror relationship. The resync operation fails to start.

Corrective Action

Rename the volume on the destination SVM by using the "volume rename" command or delete it by using the "volume delete" command, and then execute another "snapmirror resync" command.

Syslog Message

The volume "%s" is already present in SVM "%s" and it is the destination of a volume-level SnapMirror relationship.

Parameters

volume_name (STRING): Name of the volume that the system is trying to replicate into the destination SVM.
vserver_name (STRING): SVM name for which the SnapMirror resync was initiated.

vsdr.volume.sis.on.fail

Severity

ALERT

Description

This message occurs when a Vserver DR subsystem fails to enable volume efficiency on the volume.

Corrective Action

Enable volume efficiency on the destination volume by using the "volume efficiency on" command. For more information, refer to TR-4476.

Syslog Message

Vserver DR: Volume efficiency configuration is not applied on volume %s of Vserver %s. Reason: %s

Parameters

destination_volume (STRING): Name of the destination volume of the Vserver DR relationship.

destination_vserver (STRING): Name of the destination Vserver of the Vserver DR relationship.
reason (STRING): Reason.