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SCA0001

GENERIC_ALARM (Code.SCA0001)

description = "Error within the SCA service.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

This covers all unknown errors that have no more specific errors.

SCA0002

INVALID_SRC_DST_CONFIGURATION(Code.SCA0002)

description = "Found a replication job where either the source or destination is not a managed network element.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

- **Problem:** This alarm will occur when an Eyeglass configuration replication Job fails to run because is associated with an PowerScale cluster that has not been provisioned in Eyeglass. The Eyeglass configuration

replication Jobs are created based on the SynclQ policies discovered during the Eyeglass Inventory task. It is possible that an PowerScale cluster provisioned in Eyeglass could have SynclQ policies that have PowerScale cluster targets that are not provisioned in Eyeglass.

- Resolution:
 - Provision Eyeglass with all PowerScale clusters related to Eyeglass configuration replication Jobs
 - If not all PowerScale clusters associated with Eyeglass configuration replication Jobs can be managed by Eyeglass, disable Eyeglass configuration replication Jobs associated with PowerScale clusters not managed by Eyeglass to avoid the error

SCA0003

INVENTORY_FAILED(Code.SCA0003)

description = "Failed to retrieve inventory.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

- Problem: This alarm will occur when the Eyeglass Inventory task which discovers the configuration information on an PowerScale cluster has failed to run.
- Resolution:
 - Ensure that PowerScale clusters are reachable from Eyeglass server
 - This problem can also occur if the Inventory task attempts to start while another instance of the Inventory task is still running. In this case the

problem will be transient and will clear on it's own.
If this problem persists, contact
support.superna.net for assistance.

- If the Info for the alarm shows “Error fetching data from ssh. Inventory may be incomplete” there is an issue with retrieving the Inventory information that requires ssh access. This may be a problem with the permissions of the PowerScale cluster user in Eyeglass. Check the following
 - Ensure that the PowerScale cluster user role in Eyeglass has Network Read/Write permissions
 - Ensure that the PowerScale cluster user roled in Eyeglass does not contain a - or other special characters. This can cause an issue with the sudo command that is used.

To troubleshoot this condition:

1. Login to PowerScale cluster CLI as PowerScale Cluster user that has been provisioned in Eyeglass
2. Execute the command below – it needs to be able to execute without error

```
sudo isi networks list pools
```

Example of successful command execution

```
% sudo isi networks list pools
Subnet      Pool      SmartConnect Zone      Ranges
Alloc
-----
int-a-subnet int-a-pool      192.168.4.145-192.1...
Static
```

Example of failed command execution

```
sudo isi networks list pools
sudo: >>> /usr/local/etc/sudoers: syntax error near line 168 <<<
sudo: parse error in /usr/local/etc/sudoers near line 168
sudo: no valid sudoers sources found, quitting
sudo: unable to initialize policy plugin
```

REPLICATION_JOB_FAILED(Code.SCA0004)

NOTE: failure for any property of a share, export or quota to replicate will stop all replication for that share/export/quota.

description = "Replication job failed to run.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

Following reasons are commonly seen to cause a replication job failure. The Info related to the alarm should be verified to confirm the cause:

- AEC_NOT_FOUND Zone <Zone Name> not found.
 - Problem: This error is issued when the Eyeglass configuration replication job runs and attempts to replicate a share or export when the associated Zone does not exist on the target.
 - Resolution: Ensure that all Zones associated with shares and exports exist on the target. Once the Zones exist, the next configuration replication job will succeed and the alarm will be cleared
- AEC_NOT_FOUND "Path 'x/y/z' not found: No such file or directory".
 - Problem: This error is issued when the Eyeglass configuration replication job runs and attempts to replicate a share or export or quota when the associated directory does not exist on the target.
 - Possible Cause for Missing Path (Group 1):

- SyncQ Policy associated with the path has not been run.
 - Path is on the SyncIQ Policy Excluded list.
 - SyncIQ Policy has paths in the included or excluded list and the path that was not found is protected by the policy but is not in either list.
- Resolution (Group 1): Ensure that all directories associated with shares and exports and quotas exist on the target. Once the Zones exist, the next configuration replication job will succeed and the alarm will be cleared
- Possible Cause for Missing Path (Group 2):
 - share path has a trailing "/" at the end of the share path - example /ifs/home/
- Resolution (Group 2): We recommend to remove the trailing "/" from the path of the share to resolve the error.
- AEC_EXCEPTION bad hostname <host name>
 - NFS Export Clients field has a host name entry that cannot be resolved on replication of the Export
- AEC_EXCEPTION Cannot set security descriptor on <share path> Read only file system
 - You will receive the above error when Eyeglass is not able to sync share properties such as ABE (Access based Enumeration).
 - In this case we recommend you to compare all properties of the active cluster share with the target cluster share and make it identical with the source.

SCA0005

FAILED_TO_CONNECT(Code.SCA0005)

description = "Failed to connect to the designated target.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

- Problem: This alarm will occur when Eyeglass cannot establish a connection with an PowerScale cluster it is managing.
- Resolution:
 - Verify that there have been no change in PowerScale credentials which would cause Eyeglass provisioning to be out of date.
 - Verify that there have been no networking or firewall changes which would result in loss of network connectivity between the Eyeglass server and the PowerScale clusters.

SCA0006

BACKUP_JOB_FAILED(Code.SCA0006)

description = "Failed to create a backup archive.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

SCA0007

JOB_AUDIT_FAILURE(Code.SCA0007)

description = "Replication job audit failed.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

- **Problem:** The Eyeglass audit task compares source and destination configuration items post replication to confirm that the replication task has done it's Job and that the configuration items on the source and target are indeed identical. Replication job audit failed alarm will occur when:
 - audit job fails to run
 - audit job finds configuration item where source and target are different
- **Resolution:** Use the Info related to the alarm aid in resolving the issue
 - audit job failure to run
 - Info: Audit of shares for current job is inconclusive because source and target network element are identical.
 - Resolution: Eyeglass configuration replication Job has same PowerScale cluster configured as source and target. Eyeglass cannot perform replication

configuration or the associated audit with this configuration. Disable this Job to avoid this alarm.

- Info: Audit of job 'xxx' has failed: Source and/or target network element were not found in provided list of network elements
- Resolution: Source and target PowerScale Clusters in Job xxx must be managed by Eyeglass for audit to run.
- audit job finds configuration item where source and target are different
 - Info: Audit failed: Values for key 'xxx' do not match: source: share or export ; target: share or export
 - key 'xxx' refers to a property of share or export where mismatch was found
 - Info: Auditable source (type: 'xxx', zone: 'yyy', name: 'zzz') and target (type: 'xxx', zone: 'yyy', name: 'zzz') objects not found on source or target cluster, hence audit fails.
 - Auditable source refers to configuration item
 - Resolution:
 - Check that associated Replication Job was successfully run. If not, source and destination may indeed be different. and Replication Job issue needs to be resolved.
 - It is possible that a change to configuration item was made via OneFS after replication Job completed and

before audit task ran. The next replication task will resolve this mismatch.

SCA0008

QUOTA_FAILOVER_JOB_FAILED(Code.SCA0008)

```
description = "Quota failover job failed.";
```

```
severity = AlarmSeverity.CRITICAL;
```

Help on this Alarm:

SCA0009

BASE_LICENSE_TO_EXPIRE(Code.SCA0009)

```
protected AlarmData create(String syncKey, String extraInfo) {
```

```
description = "Base license to expire.";
```

```
severity = AlarmSeverity.WARNING;
```

Help on this Alarm:

Trial key has expired and can be renewed on the support.superna.net site by opening a case with your appliance id.

SCA0010

BASE_LICENSE_HAS_EXPIRED(Code.SCA0010)

description = "Base license has expired.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

Trial key has expired and can be renewed on the support.superna.net site by opening a case with your appliance id.

SCA0011

DISCOVERY_LICENSE_TO_EXPIRE(Code.SCA0011)

description = "Discovery license to expire.";

severity = AlarmSeverity.WARNING;

Help on this Alarm:

Trial key has expired and can be renewed on the support.superna.net site by opening a case with your appliance id.

SCA0012

DISCOVERY_LICENSE_HAS_EXPIRED(Code.SCA0012)

description = "Discovery license has expired.";

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

Trial key has expired and can be renewed on the support.superna.net site by opening a case with your appliance id.

SCA0013

FEATURE_LICENSE_TO_EXPIRE(Code.SCA0013)

```
description = "Feature license to expire.";
```

```
severity = AlarmSeverity.WARNING;
```

Help on this Alarm:

Trial key has expired and can be renewed on the support.superna.net site by opening a case with your appliance id.

SCA0014

FEATURE_LICENSE_HAS_EXPIRED(Code.SCA0014)

```
description = "Feature license has expired.";
```

```
severity = AlarmSeverity.MAJOR;
```

```
},
```

Help on this Alarm:

Trial key has expired and can be renewed on the support.superna.net site by opening a case with your appliance id.

SCA0015

MANAGEDOBJECT_LICENSE_TO_EXPIRE(Code.SCA0015)

description = "Managed object license to expire.";

severity = AlarmSeverity.WARNING;

Help on this Alarm:

Trial key has expired and can be renewed on the support.superna.net site by opening a case with your appliance id.

SCA0016

MANAGEDOBJECT_LICENSE_HAS_EXPIRED(Code.SCA0016)

description = "Managed object license has expired.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

Trial key has expired and can be renewed on the support.superna.net site by opening a case with your appliance id.

SCA0017

SUPPORT_LICENSE_TO_EXPIRE(Code.SCA0017)

description = "Support license to expire.";

```
severity = AlarmSeverity.WARNING;
```

Help on this Alarm:

Trial key has expired and can be renewed on the support.superna.net site by opening a case with your appliance id.

SCA0018

SUPPORT_LICENSE_HAS_EXPIRED(Code.SCA0018)

```
description = "Support license has expired.";
```

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

Trial key has expired and can be renewed on the support.superna.net site by opening a case with your appliance id.

SCA0019

TRIAL_KEY_LIMITS_REACHED(Code.SCA0019)

```
description = "Replication functionality limited by trial. ";
```

```
severity = AlarmSeverity.WARNING;
```

Help on this Alarm:

The trial key has limits applied. Open a case on support.superna.net to request higher limits.

SCA0020

AUDITTRUSTEE_ISSUE(Code.SCA0020)

description = "Replication audit issue with trustee(s).";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

SCA0021

SINGLE_SHARE_MIGRATION_FAILURE(Code.SCA0021)

description = "Single Share Migration Job failed.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

The migration job has encountered an error, this error code relates to folder migration feature. The SynclQ policy and migration job from running jobs window should be checked for the failed step and find the info button for the error to raise a case with support.

SCA0022

NO_SUPPORT_LICENSE_INSTALLED(Code.SCA0022)

description = "No support license has been installed; " +

"patches cannot be applied.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

This indicates no support license key is installed which is required to raise a case for a production appliance. If you support keys have expired a new order is required to purchase a new support contract.

SCA0023

REPLICATION_SOURCE_MATCHES_DESTINATION(Code.SCA0023)

```
description = Found a replication job where the source and " +  
            "destination are the same and that replicates shares.";  
  
severity = AlarmSeverity.CRITICAL;
```

Help on this Alarm:

This alarm is expected if a SynclQ Job is discovered where the source and target refer to the same cluster.

SCA0024

PREVIOUS_JOB_STILL_RUNNING (Code.SCA0024)

```
description = "A scheduled task was unable to run as there was another instance already  
running.";  
  
severity = AlarmSeverity.WARNING;
```

Help on this Alarm:

This alarm will occur when there is a replication task in progress at the time when a new replication task is scheduled to begin. By default, Eyeglass attempts to begin a new replication task every 5 minutes. In

the event that configuration replication takes longer than 5 minutes on your Eyeglass system you will see this alarm for each attempt to start replication that was blocked.

No action is required. When the in-progress configuration replication Job completes, the next scheduled configuration replication task will begin.

SCA0025

NETWORK_ELEMENT_TOO_BUSY(Code.SCA0025)

```
protected AlarmData create(String syncKey, String extraInfo)
```

```
description = "The target is too busy to respond to all requests. " +
```

```
"Consider reducing the number of parallel operations.";
```

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

This alarm will occur when the API call to the cluster returns this error. It indicates the cluster node is busy and is refusing to answer API calls. This can happen if too many parallel operations are issued to the cluster using PAPI. No alarm will occur in this condition but Eyeglass can not complete the operation and will generate other errors. This can also occur on a heavily used cluster or a node in the cluster that has resource issues i.e. CPU utilization.

To correct this operation raise a support request to get instructions to reduce the number of parallel API calls used to connect to a cluster.

SCA0026

DR_DASHBOARD_STATUS_CHANGE_ALARM (Code.SCA0026)

description = "The job status for the job changed to error";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

This alarm will occur when there is an error state either on a Configuration Replication Job or on a SyncIQ Policy Job resulting in an overall DR Dashboard status related to that policy to be in Error.

To troubleshoot this error, login to the Eyeglass web page and open the DR Dashboard window. Find the Job which was reporting an error and expand it to determine whether the issue is with the SyncIQ policy Job or the Eyeglass Configuration Replication Job. If the problem lies with the SyncIQ Job, further troubleshooting should be done from OneFS. If the problem lies with Eyeglass Configuration Replication Job, open the Alarms window and look for an alarm which has this Configuration Replication Job as the source. The Info of this alarm will provide additional details regarding the cause of the issue.

SCA0027

DR_DASHBOARD_STATUS_CHANGE_WARNING (Code.SCA0027)

description = "The job status for the job changed to either 'pending' or 'disabled'";

severity = AlarmSeverity.WARNING;

Help on this Alarm:

This alarm will occur when there is a DR Dashboard status change for a Job to either Pending or Disabled.

For a status of Pending, no action is required. This is an indication that the Job has not yet been run.

For a status of Disabled, this status may occur if the SyncIQ Policy has been disabled in OneFS or if the Configuration Replication Job has been User Disabled in Eyeglass. If Disabled is not the correct status for this Job, login to the Eyeglass web page and open the DR Dashboard window. Expand the Job related to the alarm to determine whether the SyncIQ Policy has been disabled or the Eyeglass Configuration Replication Job. If this Job should not be disabled for the SyncIQ policy you must enable using the

OneFS interface. For Eyeglass Configuration Replication, open the Jobs window and then select the Job in the list. Open the Select a bulk action menu and select Enable/Disable.

SCA0028

RUNBOOK_ROBOT_JOB_FAILED(Code.SCA0028)

```
description = "The Runbook Robot job failed for job: "
```

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

This alarm will occur when the run book robot job fails and indicates you have misconfigured the robot or the robot failed and your cluster is not ready for a real DR event. The robot is the best indication of readiness for failover.

SCA0029

POLICY_FAILOVER_FAILURE(Code.SCA0029)

```
description = "Policy Failover Job failed.";
```

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

This alarm will occur when a DR Assistant failover job has been created and submitted to failover a policy. To recover from this alarm. Open the DR Assistant icon on the Eyeglass desktop and select the failover history. Review the failover log for the failover job to find which step in the failover did not complete so you know where to begin manual step recovery. Use the [Failover Recovery Procedures](#) for guidance on manual recovery.

SCA0030

ACCESS_ZONE_FAILOVER_FAILURE(Code.SCA0030)

description = "Access Zone Failover Job failed.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

This alarm will occur when a DR Assistant failover job has been created and submitted to failover an Access zone. To recover from this alarm. Open the DR Assistant icon on the Eyeglass desktop and select the failover history. Review the failover log for the failover job to find which step in the failover did not complete so you know where to begin manual step recovery. Use the [Failover Recovery Procedures](#) for guidance on manual recovery.

SCA0031

DFS_FAILOVER_FAILURE(Code.SCA0031)

description = "DFS Failover Job failed."

severity = AlarmSeverity.MAJOR

Help on this Alarm:

This alarm will occur when a DR Assistant failover of a DFS job has failed. The DR Assistant history window has a log that should be reviewed for which step failed and take corrective action from when the failure occurred to manually recover the failed steps. Use the [Failover Recovery Procedures](#) for guidance on manual recovery..

SCA0032

READINESS_JOB_FAILED(Code.SCA0032)

description = "Readiness job failed to run."

severity = AlarmSeverity.MAJOR

Help on this Alarm:

The Failover Readiness job encountered unexpected errors when running. Run Failover Readiness manually from the Eyeglass Jobs window. Ensure the Access Zone Prerequisites have been [Planning and Procedures for Eyeglass Access Zone Failover](#).

SCA0033

READINESS_CHECK_ERRORS(Code.SCA0033)

description = "Readiness job execution found errors - not ready " +

"for failover.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

This alarm will occur when a Zone readiness job that check various parameters, settings, mappings for Smartconnect Zones, SPN values on cluster machine accounts are not registered with the AD. This requires delegation steps to SPN property on the machine account and should be check first in documentation the procedures. Network mapping not completed is another reason the readiness job can fail. It will also be failed if SynclQ job associated with the Zone has failed (based on its path and access zone root path), if configuration replication also fails for any policy in an Access zone this will also trigger a zone readiness failure.

Go to the Eyeglass DR Dashboard Zone Readiness tab and select the zone name to check the status.

Click mapping to verify all hints are in place, then click status make sure its green if not look for the failed item in the list and take action to resolve either SynclQ failures, configuration replication job failures and policies and SPN failures.

SCA0034

SPN_PROCESSING_FAILED(Code.SCA0034)

description = "SPN processing (either checking or repairing) has failed.";

severity = AlarmSeverity.MAJOR

Help on this Alarm:

This alarm will occur when Eyeglass was unable to create or delete SPNs during the regular Inventory task. Manually inspect existing SPNs using the ADSI Edit tool and ensure that there is an SPN for each Smartconnect Zone and Smartconnect Zone alias used for SMB share access. [Failover Readiness Validations DR Dashboard - SPN Delegation Example](#)

SCA0035

NODE_COUNT_VIOLATION (Code.SCA0035)

description = "The node count limitation has been exceeded."

severity = AlarmSeverity.CRITICAL

Help on this Alarm:

This alarm will occur when you have an Eyeglass Node based license (License Type SEL EYEGLOSS DR MANAGER ADVANCED OR Ent VAPP in the Eyeglass Managed Licenses window) and the number of nodes in the PowerScale clusters being managed by Eyeglass exceeds the number of nodes that you have licensed. Additional node licenses must be purchased to match the total number of managed nodes. No product support is provided for under licensed clusters.

SCA0036

RUNBOOK_ROBOT_COUNT_EXCEEDED (Code.SCA0036)

description = "The runbook robot job count has been exceeded."

severity = AlarmSeverity.WARNING

Help on this Alarm:

This alarm will occur to inform you that you have configured more than one Eyeglass Runbook Robot job on the PowerScale clusters being managed by Eyeglass. Eyeglass will only execute one Runbook Robot job. Remove extra Runbook Robot jobs by deleting the SynclQ policies with the special name and ensure only 1 exists.

SCA0037

ACCESS_ZONE_FAILOVER_SPN_FAILURE (Code.SCA0037)

description = "Failed to delete or repair SPNs during failover"

severity = AlarmSeverity.CRITICAL

Help on this Alarm:

This alarm will occur when Eyeglass was unable to create or delete SPNs related to Smartconnect Zone changes that were made during an Access Zone failover. Manually inspect existing SPNs using the ADSI Edit tool:

1. Failover Source Cluster - SPN for SmartConnect Zone that is prefixed with "igls-original" SHOULD exist, if not then add it.
2. Failover Target Cluster - SPN for SmartConnect Zone name or Alias added during failover SHOULD exist, if not then add it

Where the above conditions are not met, using ADSI Edit to update SPN to be on correct cluster. You cannot create a missing SPN on the Active Cluster if it still exists for the Failed Over cluster. You need to remove from Failover Over cluster first and then add to active cluster. [How to Configure Delegation of Cluster Machine Accounts with Active Directory Users and Computers Snapin](#)

SCA0038

POLICY_CONTAINS_EXCLUDES (Code.SCA0038)

description = "Found a policy with excluded directories. This is not a supported SynclQ configuration for failback."

severity = AlarmSeverity.WARNING

Help on this Alarm:

This alarm will occur to inform you that Eyeglass has detected a SynclQ Policy with excludes (or includes) configured. This is not a supported SynclQ configuration for failback."

SCA0039

DISASTER_RECOVERY_TESTING_FAILED(Code.SCA0039)

description = "The disaster recovery testing has failed.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

This alarm will occur when Eyeglass has executed DR test mode job and it resulted in an error, retry the enable or disable or check the running jobs window for details on the failover.

SCA0040

```
FAILOVER_SUCCEEDED(Code.SCA0040)
```

```
description = "Failover Succeeded";  
severity = AlarmSeverity.INFORMATIONAL;
```

Help on this Alarm:

This alarm will occur when Eyeglass has successfully executed any failover mode without error and is sent to log that a failover has occurred.

SCA0041

```
DISASTER_RECOVERY_TEMPLATE_FAILED(Code.SCA0041)
```

```
description = "The disaster recovery Template Replication has failed.";  
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

This alarm will occur when Eyeglass PowerScaleSD product has deployed an access zone template to an edge cluster and the job has failed. Check the running job for specific error or step that failed before retrying again.

SCA0042

```
DISASTER_RECOVERY_EDGE_REPLICATION_FAILED(Code.SCA0042)
```

```
description = "The disaster recovery Replication to SD Edge has failed.";  
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

This alarm will occur when Eyeglass PowerScaleSD edition has executed failover from the core to the edge cluster and resulted in failure to setup the edge site after configuring failover. Consult the running jobs window for specific error and step before attempting to retry the job.

SCA0043

DISASTER_RECOVERY_EDGE_DEPLOYMENT_FAILED(Code.SCA0043)

description = "The disaster recovery Deployment to SD Edge has failed.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

This alarm will occur when Eyeglass PowerScaleSD edition product deploys the core access zone template and syncs shares and exports to the edge cluster. This setup requires policies to sync folder structure before shares and exports can be created. Check policy run status on the PowerScale and running jobs window to verify the step and error code that blocked the job from completing before retrying the job.

SCA0044

PROBE_UNDER_LICENSED (Code.SCA0044)

description = "The Probe is under-licensed."; severity = AlarmSeverity.MAJOR;

Help on this Alarm:

This alarm indicates more clusters are managed by eyeglass DR than eyeglass CA UIM Probe license keys installed. Eyeglass will randomly select which clusters are managed for the CA UIM alarm monitoring. contact sales@superna.net to get a quote on additional probe license keys to remove the alarm and get a fully supported installation.

SCA0045

INVENTORY_DEGRADED(Code.SCA0045)

description = "Inventory is degraded/incomplete"; severity = AlarmSeverity.MINOR;

Help on this Alarm:

This alarm indicates the inventory process that runs when cluster configuration replication job runs (default 5 minute intervals), encountered API failure responses from the cluster node the API request was sent too. This condition can clear on its own if the cluster node resumes processing API REST calls. If the configuration replication job fails completely then the cluster has stopped answering API calls. It is best to monitor how often this alarm is seen, and **IF persistent** open a case with support and upload the logs to the case. The logs will be requested if not attached to the case. If the condition persists EMC support case should be opened, as the node is overloaded and unable to respond to API queries. **NOTE: The**

OneFS UI also uses the REST API and ignoring this event can affect OneFS UI on the node that is returning the API failures.

SCA0047

NE_REMOVAL_ERROR(Code.SCA0047)

description = "Network element removal failed"; severity = AlarmSeverity.CRITICAL; **Help on this Alarm:**

This alarm is raised and logged when a cluster previously under management has been deleted which is a user action. This alarm will never be generated without manual delete from the Inventory Icon on the eyeglass desktop. If this alarm is unexpected, it indicates someone deleted the cluster and re-added it.

This is not a recommended procedure for any errors encountered with eyeglass. Unless you know what procedure you are doing, check with support before deleting a cluster from inventory when active DR monitoring in production is the current state for this cluster. Test clusters can be deleted if needed using this procedure.

1. Open Inventory Window
2. Select Cluster
3. Right click and select Delete NE

SCA0046

CREATE_SD_EDGE_DEPLOYMENT_JOB(Code.SCA0046)

description = "Creation of SD Edge deployment Job failed";

severity = AlarmSeverity.MINOR;

Help on this Alarm:

This alarm only applies to the Branch office config and data protection licensed solution. when building a new edge site the deployment job failed.

1. This can be caused by un-reachable cluster
2. SynclQ command failed to return with a status code from the cluster

3. Timeout waiting on a cluster command to complete. Check syncIQ reports for the temporary deployment policy that Eyeglass creates to look for errors on the source cluster where the template access zone was created.

SCA0049

JOB_AUDIT_WARNING(Code.SCA0049)

```
description = "Replication job audit resulted in a warning";
```

```
severity = AlarmSeverity.WARNING;
```

Help on this Alarm:

This alarm is raised when the cluster sync audit step runs as per of configuration replication job. This step gets inventory from both clusters and does a share,export,quota, snapshot schedule, dedupe setting, nfs aliases object and Attribute comparison. This generally indicates the source cluster policy and target cluster policy configuration data is not 100% in sync. The error in the alarms window includes an info text that will describe the field or objects that are not an exact match.

Resolution will require checking with support on the error to determine resolution.

It is possible that target cluster defaults for shares,exports are set in a way that means synced shares or exports by Eyeglass get modified by the target cluster to apply cluster defaults that are different from the source cluster. This can cause an attribute to change that the audit will detect.

The first place to check is default settings on both clusters match for shares and exports.

It is also possible someone manually changed a setting on a share or export on the target cluster causing the audit to fail.

In general we recommend that both source and target clusters are exact matches.

SCA0050

QUOTA_INVENTORY_FAILED(Code.SCA0050)

```
description = "Failed to retrieve quotas";
```

```
severity = AlarmSeverity.CRITICAL;
```

Help on this Alarm:

The quotas are retrieved with REST api calls pages at a time. On clusters with 1000's or 10 000's of thousands of quotas, this process requires many api calls to complete to collect each quota and any notifications setup for each quota (retrieved with separate API calls). If an API call fails while retrieving quotas through this long running multi query part of the Configuration Sync job, this error can be returned.

This could also happen if eyeglass minimum permissions where not set correctly and should be checked.

SCA0051

DEDUPE_REPLICATION_FAILED(Code.SCA0051)

```
description = "Deduplication replication job failed to run";
```

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

As of Eyeglass 1.6.3 and later dedupe paths are synced between clusters , configuration replication jobs are responsible for syncing dedupe paths and if an API failure to set all the paths on the target cluster occurs this alarm is raised. This could be minimum permissions issue with the eyeglass service account or API failure and configuration replication in running jobs should be expanded to find the info text that identifies the API error that triggered the failure. Search documentation site on how to find and identify sync errors.

SCA0052

DUPLICATE_INVENTORY_ITEM(Code.SCA0052)

description = "Found duplicate inventory items.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

This error is raised when inventory function that runs as part of configuration job, identifies two entries that are duplicate and cannot be saved to the database. Raise a support case if this error is seen on instructions on how to reset the database to remove duplicate items. The database in 1.7.0 and later can be rediscovered safely with all job settings being discovered.

SCA0053

CONTINUOUS_OPERATION_STATUS_ERROR(Code.SCA0053)

description = "Continuous operation status is ERROR";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

The new continuous operations dashboard shows the overall status of Snapshot sync and dedupe sync status, if this dashboard and status can not be updated from the configuration sync jobs or if sync status failed on SyncIQ policies paths with snapshot schedules or dedupe path settings related to SyncIQ jobs are not in Sync on source and target cluster, this alarm is raised indicate Readiness for operations on the target cluster is impacted.

Review the dashboard to identify the policy that is affected, which will help identify which area snapshots or dedupe are in sync error state. This can be done using the running jobs window and expanding the last

errored job to find the policy and section for snapshot schedule and dedupe sync to identify the API error that is the root cause of the dashboard state change to error state. Search documentation site on how to find and identify sync errors.

SCA0054

MIGRATION_JOB_SUCCEEDED(Code.SCA0054)

description = "Migration job succeeded.";

severity = AlarmSeverity.INFORMATIONAL;

Help on this Alarm:

This indicates an Access Zone Migration job has completed successfully.

SCA0055

ARCHIVE_UPLOAD_FAILED(Code.SCA0055)

description = "Archive upload failed";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

The new about Eyeglass --> backup tab now has upload directly to support option for logs, this error indicates the upload failed. Which is likely caused by firewall blocking the Eyeglass appliance from directly reaching the support portal to upload the log.

If you see this error it means support did not get the log file and you should login to the support site download the backup archive and upload manually to the support site. The direct upload requires port 443 HTTPS directly to the Internet from the Eyeglass appliance.

SCA0056

DEDUPE_AUDIT_FAILED(Code.SCA0056)

```
description = "Deduplication audit job failed to run";
```

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

This indicates the audit of both clusters dedupe settings (run automatically for the configuration sync jobs), was not able to complete the comparison between the cluster. Run manually again and see if the error persists. If the error is still present then open a case with support.

SCA0057

QUOTA_SYNCHRONIZATION_FAILED(Code.SCA0057)

```
description = "Quota Synchronization Job Failed";
```

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

When a quota job run during failover or manual (should not be run manually). An error can occur if the cluster returns a create or delete quota error. This is most common when a domain lock from a quota scan blocks quota create API's. Unlinked Everyone quotas can also cause quota create or delete to fail. Use the info text in the running jobs screen to collect the error code and submit a case to Support.

SCA0058

ERROR_RETRIEVING_CLUSTER_VERSION(Code.SCA0058)

```
description = "Error retrieving cluster version.";
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

This error occurs when a heartbeat task checks the cluster Onefs version and the api fails. This is commonly seen when a cluster was upgraded to Onefs 8 but the SCA process was not restarted afterwards. This document explains steps needed when a cluster major version from 7 to 8 is completed and how to have Eyeglass detect the new cluster version. [Guide here.](#)

RSW0018

RANSOMWARE_DEFENDER_UNDER_LICENSED(Code. RSW0018)

```
description = "The Ransomware Defender is under-licensed.";
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

This alarm will be raised when Eyeglass has more licenses and clusters added than Ransomware agent license installed. Each monitored cluster requires an agent license. Contact sales@superna.net to get a quote for agent licenses.

RSW0019

RANSOMWARE_GENERIC_ERROR

```
description = "The Ransomware Defender is a generic errorr please contact support.";
```

SCA0060

ERROR_GENERATING_DATASET(Code.SCA0060)

```
description = "Error generating data sets.";
severity = AlarmSeverity.MINOR;
```

Help on this Alarm:

This alarm is raised when the servicenow integration api tries to build a data set that is exposed via an xml url [https://eyeglass ip address/servicenow/servicenow.xml](https://eyeglass-ip-address/servicenow/servicenow.xml). This error would occur if not all API data is available to generate the dataset and expose through the xml interface. This does not affect DR functionality and can be ignored if you are not using this feature.

RSW0001

RANSOMWARE_DEFENDER_EVENT(Code. RSW0001)

```
description = "Ransomware signal received.";
severity = AlarmSeverity.CRITICAL;
```

Help on this Alarm:

This alarm is raised for each security event raised for a user. This should be reviewed in the active events tab of the ransomware defender icon to determine shares affected or lock out status for this event. Actions possible are lockout, recover, initiate self recovery option.

RSW0002

RANSOMWARE_USER_LOCKED(Code. RSW0002)

```
description = "Locked user access.";
severity = AlarmSeverity.CRITICAL;
```

Help on this Alarm:

A user was locked out with a Major or Critical detection security event. Consult the Ransomware defender GUI to identify the user ID, IP address of the machine where the user was logged in. Files affected can be

exported to a CSV to inspect and remediate comprised files. The data recovery initiated option can be used to recover files from DR and snapshots. The user can be restored using the restore user access option.

RSW0003

RANSOMWARE_USER_LOCK_FAILED(Code. RSW0003)

description = "Failed to lock user access after ransomware events received.";
severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

A lock of a user account was not successful, consult the log for the action menu to see which shares or clusters the lockout job failed. This indicates these shares are not locked out for this user and manual lockout of the share for the affected user should be done. The lockout is not retried. It can be retried from the actions menu.

RSW0004

RANSOMWARE_ECA_IGLS_SERVICE_FAILURE(Code. RSW0004)

description = "ECA Service not forwarding all security events";
severity = AlarmSeverity.MAJOR;

Help on this Alarm:

One or more nodes on an ECA cluster are not successfully communicating with the Eyeglass appliance. Click on the Manage Services icon on the Eyeglass desktop, and use the status of each ECA node and its subcomponents to determine which ECA node is unhealthy.

RSW0005

RANSOMWARE_ECA_HBASE_FAILURE(Code. RSW0005)

```
description = "ECA Service not scanning Hbase for events";  
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

If the alarm in SCA0064 is raised, eyeglass will attempt to periodically scan the ransomware signals database for new signals. If this scanning cannot happen, this alarm will be raised. To resolve: restore eyeglass to hbase connectivity.

RSW0006

RANSOMWARE_ECA_COMM_FAILURE(Code. RSW0006)

```
description = "ECA Service unreachable to scan for events";  
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

The Eyeglass VM cannot reach the ECA cluster to scan the analytics database. This impacts detection of Ransomware events. This should be fixed and look at networking and exactl CLI commands in ransomware admin guide for troubleshooting.

ECA0007

ECA_NODE_FAILURE(Code. ECA0007)

```
description = "ECA Node inactive or in error state";  
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

An ECA cluster node has stopped sending alive heartbeats to the eyeglass VM. The ECA cluster is now in a degraded state until the node is fixed. See the admin guide on steps to login to the node and check services and container health.

RSW0008

```
RANSOMWARE_ENTER_MONITOR_MODE(Code. RSW0008) {
```

```
    description = "Ransomware: Entered monitor only mode";  
    severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

When the Eyeglass Ransomware settings has monitor mode enable no lockout will occur. This alarm is a reminder that no data protection is enabled with monitor mode.

RSW0009

```
RANSOMWARE_LEAVE_MONITOR_MODE(Code. RSW0009)
```

```
    description = "Ransomware: Left monitor only mode";  
    severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

When the Eyeglass Ransomware defender setting disables monitor mode, this alarm indicates that data protection monitoring is now active.

RSW0010

```
RANSOMWARE_ECA_VERSION(Code. RSW0010)
```

```
    description = "Ransomware: ECA node version does not match the Eyeglass version.";  
    severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

If the ECA cluster version does not match the Eyeglass version this alarm is raised. The versions should match and upgrades should be completed to match ECA and Eyeglass versions.

RSW0011

RSW_RESTORE_ACCESS_SUCCESS(Code.RSW0011)

```
description = "User access restored.";
severity = AlarmSeverity.INFORMATIONAL;
```

Help on this Alarm:

The users permissions on the security event were restored for all shares that had a lockout applied. Check the security event history to verify the list of shares.

RSW0012

RSW_RESTORE_ACCESS_FAILED(Code.RSW0012)

```
description = "Failed to restore user access.";
severity = AlarmSeverity.CRITICAL;
```

Help on this Alarm:

The users permissions on the security event were not all restored. Open the security event history to review the list of shares that were not successfully restored and manually edit the share permissions to remove the deny read permission for the user named in the security event.

RSW0023

RANSOMWARE_SERVICE_INFO(code. RSW0023)

description = "Ransomware: service information, contact support";

RSW0024

SECURITY_GUARD_FAILURE(Code. RSW0024)

description = "Ransomware: Security Guard Failure";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

The security if configured, runs on a schedule and failure should be checked from the logs on the Ransomware defender icon, Security guard tab and open the last log to check which step failed. This feature tests your defenses are active and functioning as expected. This should be corrected and using service manager icon to verify the ECA is reachable and healthy. Check the cluster igls-honey pot share exists. Check other alarms in the alarms icon to verify the cluster(s) managed by the security guard feature can be reached. Note SMB open port is required from Eyeglass to the PowerScale clusters under management.

RSW0025

RANSOMWARE_WARNING_ERROR(Code. RSW0025)

description = "Warning or Error";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm

Please contact support

RSW0026

TURBOAUDIT_EVENTRATE_BELOW_THRESHOLD_WARNING

description = String.format("Event rate for all TurboAudit nodes over the last %d minute(s) is below %d.")

severity = AlarmSeverity.WARNING;

Help on this alarm

Check the NFS mount for audit data ingestion

RSW0027

EVTARCHIVE_EVENTRATE_BELOW_THRESHOLD_WARNING

description = String.format("Event rate for all EvtArchive nodes over the last %d minute(s) is below %d.",

severity = AlarmSeverity.WARNING;

Help on this alarm

RSW0013

RSW_SNAPSHOT_WARNING(Code. RSW0013)

description = "Not all snapshots were created.";

```
severity = AlarmSeverity.CRITICAL;
```

Help on this Alarm:

This alarm is raised by Ransomware defender when a snapshot create failed on one or more shares detected as part of a security event for a user. The Active security event tab should be checked and review the list of shares for the security event and compare to the snapshot list column to see which cluster or path does not have a snapshot created. Also open job icon, running jobs tab and find the snapshot create job and find the cluster and path that failed to create the snapshot.

Alternative open is select security action menu and run create snapshot to retry the snapshot create again.

Possible reasons for failure: licensing on PowerScale, eyeglass service account snapshot create permission is missing (fix by adding snapshot create permission to the eyeglass service account).

RSW0014

RSW_SNAPSHOT_FAILED(Code. RSW0014)

```
description = "Failed to create snapshots";
```

```
severity = AlarmSeverity.CRITICAL;
```

Help on this Alarm:

See explanation on alarm SCA0075 on details and steps to attempt another create of snapshot or debug the issue.

RSW0015

RSW_SNAPSHOT_DELETE_WARNING(Code. RSW0015)

description = "Not all snapshots were deleted";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

It indicates a security event snapshot was attempted to be deleted from the GUI but failed.

Snapshots applied on a security event and have an expiry of 48 hours. If you want to delete the snapshot sooner from Ransomware defender security event action menu and it fails with this error code. Check eyeglass role permissions are set correctly.

RSW0016

RSW_SNAPSHOT_DELETE_FAILED(Code. RSW0016)

description = "Failed to delete snapshots";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

See explanation for SCA0077.

SCA0061

DISCOVERY_RETRIEVAL_ERROR

description = "Failed to retrieve NE data";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

This applies to Unity REST API retrieval failure.

SCA0062

REST_API_ERROR

description = "Failed API REST request";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

This applies to Unity REST API retrieval failure.

SCA0063

POLICY_FAILOVER_CANCEL(Code. SCA0063)

description = "Policy Failover Job canceled.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

In release 2.0 and later a failover job can be canceled. This alarm indicates someone canceled a running failover. The failover log also indicates the failover was canceled. Note: all recover steps from a failed failover are manual.

SCA0064

ACCESS_ZONE_FAILOVER_CANCEL(Code. SCA0064)

```
description = "Access Zone Failover Job canceled.";
```

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

In release 2.0 and later a failover job can be canceled. This alarm indicates someone canceled a running failover. The failover log also indicates the failover was canceled. Note: all recover steps from a failed failover are manual.

SCA0065

DFS_FAILOVER_CANCEL(Code. SCA0065)

```
description = "DFS Failover Job canceled.";
```

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

In release 2.0 and later a failover job can be canceled. This alarm indicates someone canceled a running failover. The failover log also indicates the failover was canceled. Note: all recover steps from a failed failover are manual.

SCA0066

RUNBOOK_ROBOT_JOB_CANCELED(Code. SCA0066)

description = "The Runbook Robot job canceled for job: "

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

In release 2.0 and later a failover job can be canceled. This alarm indicates someone canceled a running failover. The failover log also indicates the failover was canceled. Note: all recover steps from a failed failover are manual.

RSW0021

SECURITY_EVENT_FAILED(Code. RSW0021)

description = "Security Event Received but Failed to Process";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

The Ransomware Defender or Easy Auditor products use the ECA cluster to process audit events. When a security event is detected a REST message is sent to Eyeglass to process the event. This error indicates Eyeglass received a security event but was not able to connect to the ECA cluster to retrieve specifics about the event. This is a critical event indicated networking or reachability between Eyeglass and ECA cluster. This should be debugged immediately as it is possible that now security events will be reported in Eyeglass UI or process with automated response actions until corrected.

RSW0022

SECURITY_EVENT_RETURNED_ZERO(Code. RSW0022)

description = "Security event received but failed to return affected file list";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

This alarm indicates a high rate of false positive detections and requires a support case to adjust settings.

SCA0067

REHEARSAL_FAILOVER_CANCEL(Code.SCA0067)

description = "Rehearsal Failover Job canceled.";

severity = AlarmSeverity.MAJOR;

Getting Help on this alarm

A DR assistant failover using rehearsal mode been canceled by the user. User decision to cancel a running failover can leave the system in an inconsistent state and should never be done without consulting support. Open DR Assistant Running failover and open the failover log to download the failover log. Open a support case for assistance and provide the failover log. DR Rehearsal mode allows a roll back to previous state on some failed steps. Start consulting the recovery guide for the state that you left the system in. [Guide here](#). Impact: Data Access failure can occur from this alarm.

SCA0068

REHEARSAL_FAILOVER_FAILURE(Code.SCA0068)

description = "Rehearsal Failover Job failed.";

severity = AlarmSeverity.MAJOR;

Getting Help on this Alarm

The DR rehearsal failover job failed. Open DR Assistant --> running failovers and download the failover log, find the failed step. Open a support case attach the failover log and the failed step from the log.

Create a support backup archive and upload to the support site and update the case that logs have been uploaded. Manual recover steps may be required and consult the failover recovery guide [here](#). Impact: data access failure can occur from this alarm

SCA0069

POLICY_POOL_MAPPING_ERROR(Code. SCA0069)

```
description = "Error mapping policy to a pool.";
```

```
severity = AlarmSeverity.MAJOR;
```

Help on this Alarm:

This validation alarm is raised by DR Readiness process that verifies that each policy in an Access zone has been mapped to an IP pool. This alarm will be raised if IP pool configuration has been started on an access zone and not completed OR if a new policy is created for an access zone and not yet mapped to a pool. Consult the Access Zone Design guide on IP pool supported configurations.

EAU0004

TIME_SKEW_ERROR(Code. EAU0004)

```
description = "Time skew between Eyeglass Clustered Agent and Eyeglass Appliance is too great.";
```

```
severity = AlarmSeverity.WARNING;
```

Help on this Alarm:

This alarm indicates the time has drifted between the ECA cluster nodes and Eyeglass. Accurate time is required between all the nodes and between eyeglass and the ECA nodes.

EAU0002

AUDITOR_REPORT_FAILURE(Code.EAU0002)

description = "Auditor report failed.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm

A running report job failed. Open easy auditor icon, click on running reports and expand to locate the error. Restart the report and if it fails again open a support case.

EAU0003

EVENT_AUDIT_TIME_SKEW_ERROR(Code. EAU0003)

description = "Time skew between last consumed and last logged audit event is too great.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

This alarm condition monitors the PowerScale nodes last logged audit events versus the last event processed by the ECA cluster. To ensure real-time monitoring and searching current audit data, this gap in time should be as low as possible. This alarm is raised when the gap is widening between auditing and consuming audit events and is in indication that cluster resources CPU should be increased to allow audit event processing to increase. Audit event ingestion is also limited on ECA clusters and this value can be configured to allow higher event rates to be processed. Contact support if you receive this alarm.

EAU0005

NO_SMART_QUOTA_FOR_DLP_PATH(Code.EAU0005)

description = "There is no smart quota for a path limited by a Data Loss Prevention threat detector";
severity = AlarmSeverity.MAJOR;

Help on this Alarm:

The data loss prevention feature in Easy Auditor uses a quota to detect space used on a monitored path. This is required to compute a data copy by users greater than the threshold set on the path. No quota means the DLP trigger is disabled until the quota can be created. The quota is created automatically and this alarm indicates the API call failed to create the quota. Impact the DLP trigger is not active.

SCA0070

DISK_SPACE_FULL_WARNING(Code. SCA0070)

description = "Disk usage has reached 75%.";
severity = AlarmSeverity.WARNING;

Help on this Alarm:

This alarm is raised when disk space on Eyeglass or ECA nodes exceeds 75% and indicates the logs are consuming more space than required. The logs are configured for circular logging and should not fill the hard disk space. > 75% may indicate another process consuming space or memory dump files. Open a case with support if you get this alarm.

SCA0071

DISK_SPACE_FULL_ERROR(Code. SCA0071)

description = "Disk usage has reached 90%.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

This alarm is raised when disk space on Eyeglass or ECA nodes exceeds 90%. The VM will likely fail soon if not corrected and will be unable to log or perform normal operations. Open a case immediately with support.

SCA0074

REHEARSAL_FAILOVER_SUCCEEDED(Code.SCA0074)

description = "Rehearsal Failover Job succeeded.";

severity = AlarmSeverity.INFORMATIONAL;

Help on this Alarm

A DR rehearsal mode failover has been completed successfully. This alarm indicates that all steps completed successfully and data access should be tested. Testing data access guide [here](#). No impact to data access

SCA0075

ISK_SIZE_MONITOR_ALARM(Code.SCA0075)

description = "The Disk Size Monitor has detected that a folder or file(s) exceeded a "


```
+ "threshold.";
severity = AlarmSeverity.MAJOR;
```

Get Help on this Alarm

This indicates the disk space has crossed the threshold and a support case should be opened to remove unnecessary files. No immediate impact unless the disk reaches 100% usage.

SCA0076

```
DISK_SIZE_MONITOR_INACTIVE(Code.SCA0076)
```

```
description = "The Disk Size Monitor is inactive.";
severity = AlarmSeverity.MAJOR;
```

Get Help on this Alarm

This alarm indicates that the monitoring process for disk space is no longer active. Open a support case to get this process restarted. No functional impact other than monitoring is not active.

SCA0077

```
DISK_SIZE_MONITOR_ERROR(Code.SCA0077)
```

```
description = "The Disk Size Monitor identified an error.";
severity = AlarmSeverity.MAJOR;
```

Get Help on this Alarm

The disk monitor process has failed. Open a support case to get this proactive monitoring process fixed. Impact: No functional impact to product functionality other than monitoring of disk usage is not active.

SCA0078

REST_API_CALL_FAILURE(Code.SCA0078)

description = "Rest API call failed.";

severity = AlarmSeverity.MINOR;

Get Help on this Alarm

The rest api is used to automate failover tasks, when a rest api call is issued from an external application a return code of http 200 is sent on a successful api request. If an internal error occurs while processing an api request this alarm will be raised. Open a support case provide the api call that the application was using, create a support achive and upload to the support site. All of this information will be requested by support in order to assist with the root cause of the failure.

SCA0079

NEW_POLICY_DISCOVERED(Code.SCA0079)

description = "Create new job for discovered policy.";

severity = AlarmSeverity.INFORMATIONAL;

Get Help on this Alarm

This alarm means a new synciq policy was discovered and requires administrator to set the mode and enable the policy to bring this policy into production service within Eyeglass.

SCA0080

UNCONFIGURED_JOB_PRESENT(Code.SCA0080)

description = "Unconfigured job present.";

severity = AlarmSeverity.MAJOR;

Get Help on this Alarm

This alarm means a Job in the job icon has a synciq policy in an unconfigured state that requires the administrator to set the mode (auto or DFS or skip config) and then enable the job before this policy will be enabled for DR protection.

SCA0081

READINESS_CHECK_WARNINGS(Code.SCA0081)

description = "Readiness job execution found warnings.";
severity = AlarmSeverity.WARNING;

Get Help on this Alarm

The failover readiness job detected and a validation warning that affects your failover readiness. Please login to Eyeglass open DR Dashboard and review the validation tree for the failover mode you have configured and expand the tree to find the validation that failed. The description of the warning is available in DR Dashboard by selecting the validation in the tree and reading the description at the bottom of the window.

SCA0082

AIRGAP_JOB_FAILED(Code.SCA0082)

description = "Ransomware Defender AirGap job %s failed - needs attention."
severity = AlarmSeverity.CRITICAL

Get Help on this Alarm

A scheduled synciq job run failed to sync data to the vault cluster. Open the Airgap icon and review the job history to determine which policy failed. Check the airgap status on the main tab, to verify its status.

SCA0083

AIRGAP_JOB_SUCCEEDED(Code.SCA0083)

description = "Ransomware Defender AirGap job %s Succeeded"
severity = AlarmSeverity.INFORMATIONAL

Get Help on this Alarm

Each time the Airgap synciq policies run the airgap is opened to run the policies. This alarm confirms that the airgap was opened, the sync jobs run successfully and the Airgap was closed after the sync jobs finished.

SCA0084

AIRGAP_ROUTE_CLOSED(Code.SCA0084)

description = "AirGap network is now DISCONNECTED for policy %s."

severity = AlarmSeverity.INFORMATIONAL;

Get Help on this Alarm

This alarm is raised after an Airgap sync job is completed and confirms the Airgap was closed at the end of the sync to the vault.

SCA0085

AIRGAP_ROUTE_OPEN(Code.SCA0085)

description = "AirGap network is now CONNECTED for policy %s."

severity = AlarmSeverity.INFORMATIONAL;

Get Help on this Alarm

Each time the Airgap jobs execute the airgap network is opened. this alarm indicates the network is open before the sync job starts.

SCA0086

AIRGAP_JOB_DISABLED_FOR_ACTIVE_EVENT(Code.SCA0086)

description = "AirGap job on policy %s - canceled for active RSW events."

severity = AlarmSeverity.WARNING

Get Help on this Alarm

Each time a scheduled Airgap sync is scheduled, Ransomware Defender active alarms are checked for any active threat to the production data. To protect the Vault data integrity, the sync and airgap should remain closed. This alarm indicates an active threat alarm is raised and that the scheduled data sync will be skipped. The action required when this alarm is raised is on the Ransomware Defender administrator to validate the alarm and clear the alarm. Until active alarms are cleared no data sync will occur and each scheduled data sync will generate a new alarm to warn the airgap administrator that no data sync will occur.

SCA0087

SYNCIQ_MONITOR_ERRORS(Code.SCA0087)

description = "SynclQ Monitor Job errors."

severity = AlarmSeverity.MAJOR

Get Help on this Alarm

This alarm is raised when the synciq data integrity monitor feature is enabled. This feature creates a test file on the source policy path, each time synciq runs this file is audited on the target cluster to verify the file was synced correctly to the target cluster. If the file audit fails this alarm will be raised to warn the administrator that a data sync failed to sync correctly.

SCA0088

ONFIG_BACKUP_JOB_FAILURE(Code.SCA0088)

description = "Configuration backup job failed.";

severity = AlarmSeverity.WARNING;

Get Help on this Alarm

The appliance backup zip creation process failed, please open jobs icon, running jobs to click on the job and review the reason for the failure

SCA0089

```
VAULT_AIRGAP_JOB_FAILED (Code.SCA0089)
description = String.format("Vault AirGap job %s failed - needs
attention.", syncKey);
severity = AlarmSeverity.MAJOR;
```

SCA0090

```
VAULT_AIRGAP_JOB_SUCCEEDED (Code.SCA0090)

description = String.format("Vault AirGap job %s Succeeded",
syncKey);
severity = AlarmSeverity.INFORMATIONAL;
```

SCA0091

```
VAULT_OPENED(Code.SCA0091)
protected AlarmData create(String syncKey, String extraInfo)

description = String.format("Vault is opened.");
severity = AlarmSeverity.CRITICAL;
```

Get Help on this Alarm

This alarm indicates the secure airgap vault is currently open

SCA0092

```
AIRGAP_EVENT_RETRIEVE_JOB_FAILED(Code.SCA0092)

description = String.format("Ransomware Defender Event Retriever
AirGap job %s failed - needs attention.", syncKey);
severity = AlarmSeverity.CRITICAL;
```

Get Help on this Alarm

This alarm indicates alarm collection from the secure vault cluster failed to get alarms. This could be due to network issue or permissions issue to login to the vault cluster.

SCA0093

```
AIRGAP_EVENT_RETRIEVE_JOB_SUCCEEDED(Code.SCA0093)
```

```
description = String.format("Ransomware Defender AirGap Event  
Retriever job %s Succeeded", syncKey);  
severity = AlarmSeverity.INFORMATIONAL;
```

Get Help on this Alarm

The alarms were successfully retrieved from the vault cluster.

SCA0094

```
RAM_UNDERSIZED(Code.SCA0094)
```

```
description = "The RAM Size exceeded the published limits."  
severity = AlarmSeverity.CRITICAL;
```

Get Help on this Alarm

The cluster count, object count (smb, nfs, quota), policy count, access zone count or a combination of all of these requirement additional

RAM on the eyeglass vm to maintain support as per the product documentation [here](#). Any use of the product that is below product specifications voids support.

SCA0095

AIRGAP_SCHEDULES_QUERY

description = "Ransomware Defender AirGap Schedules query";
severity = AlarmSeverity.INFORMATIONAL;

Help on this Alarm

This means the Enterprise vault opened the vault and queried Eyeglass for new policies or schedule changes

SCA0096

AIRGAP_JOB_NOT_STARTED

description = "Ransomware Defender AirGap Job did not run according to schedule";
severity = AlarmSeverity.CRITICAL;

Help on this Alarm

This alarm means the airgap job did not run as expected and an error prevented from running

SCA0097

AIRGAP_JOB_STARTED

description = "Ransomware Defender AirGap Job Started";

severity = AlarmSeverity.INFORMATIONAL;

Help on this alarm

This informs you that the airgap job has started execution

SCA0098

AirGap policy changed

description = "AirGap policy changed"

severity = AlarmSeverity.Critical;

Help on this alarm

This indicates an administrator has modified an airgap policy. This is an event that should be investigated that this is not a security breach and that the change was approved. The information on this event lists the change that was detected.

RSW0017

HBASE_UPGRADE_FAILURE(Code.RSW0017)

description = "HBASE upgrade failed.";

severity = AlarmSeverity.INFORMATIONAL;

Help on this Alarm:

The Database stored on PowerScale upgrade failed to complete. Contact support.

RSW0020

BACKUP_INGESTION_FAILURE(Code.RSW0020)

description = "Turboaudit backup ingestion failed.";

severity = AlarmSeverity.WARNING;

Help on this Alarm:

This error means the historical event ingestion did not process all files. Please open a support case for instructions to resolve.

ECA0002

ECA_CRITICAL_ERROR(Code.ECA0002)

description = "Eyeglass Clustered Agent unexpected error.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

The clustered Agent has an error that requires support logs to investigate. please open a support case.

ECA0001

ECA_SERVICE_INFO(Code.ECA0001)

description = "Eyeglass Clustered Agent information.";

severity = AlarmSeverity.INFORMATIONAL;

Help on this Alarm:

ECA0003

ECA_SERVICE_WARNING(Code.ECA0003)

description = "Eyeglass Clustered Agent warning.";

severity = AlarmSeverity.WARNING;

Help on this Alarm:

The Eyeglass clustered agent has a component in warning state, this can impact operational state. Open the managed service icon to identify the warning and the component name. Open a support case and identify the component name and error in managed services for procedures to resolve.

ECA0004

ECA_MINOR_ERROR(Code.ECA0004)

description = "Eyeglass Clustered Agent unexpected minor error.";

severity = AlarmSeverity.MINOR;

Help on this Alarm:

The Eyeglass clustered agent has a component in minor errored state, this will not negatively affect operations. Open the managed service icon to identify the warning and the component name. Open a support case and identify the component name and error in managed services for procedures to resolve.

ECA0005

ECA_MAJOR_ERROR(Code.ECA0005)

description = "Eyeglass Clustered Agent unexpected major error.";

severity = AlarmSeverity.MAJOR;

Help on this Alarm:

The Eyeglass clustered agent has a component in major errored state, this **will** negatively affect operations. Open the managed service icon to identify the warning and the component name. Open a support case and identify the component name and error in managed services for procedures to resolve.

ECA0006

ECA_FATAL_ERROR(Code.ECA0006)

description = "Eyeglass Clustered Agent unexpected fatal error.";

severity = AlarmSeverity.FATAL;

Help on this Alarm:

The Eyeglass clustered agent has a component in crashed state, this **will** negatively affect operations. Open the managed service icon to identify the warning and the component name. Open a support case and identify the component name and error in managed services for procedures to resolve.

EAU0006

AUDITOR_REPORT_SUCCESS(Code.EAU0006)

description = "Easy Auditor Report job succeeded.";

severity = AlarmSeverity.INFORMATIONAL;

Help on this Alarm:

This indicates an audit report has been completed by an audit administrator action in the Easy Auditor GUI or a scheduled search has completed.

EAU0007

ACTIVE_AUDITOR_EVENT(Code.EAU0007)

description = "Active Auditor event received.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

This alarm indicates an automated security policy in Easy Auditor has crossed a defined policy limit and raised a security event to be reviewed by a security administrator.

ES0001

ES_NODE_COUNT_VIOLATION(Code.ES0001)

description = "Node count limitation has been exceeded for the application Eyeglass Search.";

severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

This alarm indicates a license violation based on the PowerScale node count and the installed license keys for the Eyeglass Search product. This affects your appliance access to support in this state. Please open a case with support for next steps.

EAU0008

ROBO_AUDIT_FAILURE(Code.EAU0008)

description = "Robo Audit Failed.";
severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

The RoboAudit schedule health check failed to find all the events created by the RoboAudit service account. Login to Eyeglass, open Easy Auditor, select RobotAudit on the menu and open the last log that indicates failed. Download the log and open a support case and attach the log and A full support backup to have support review your environment.

DRSDEDGE0001

DRSDEDGE_NODE_COUNT_VIOLATION(Code.DRSDEDGE0001)

description = "The node count limitation has been exceeded for the application DRSEdge.";
severity = AlarmSeverity.CRITICAL;

Help on this Alarm:

The PowerScaleSD clusters added to Eyeglass exceeds license key count for PowerScaleSD clusters. Please open a support case to determine next steps and impact to your environment.

SCA0073

CSM_GROUP_QUOTAS_MANAGER_FAILURE(Code.SCA0073)

```
description = "Saving AD trustees to database failed.";
severity = AlarmSeverity.WARNING;
```

Help on this Alarm:

This error indicates that AD user and membership has failed to be stored in the database. This function is used for Quota creation automation as part of the Cluster Storage Monitor product. Open a support case and upload a support backup.

SETUP0001

```
SETUP_REDISCOVER_REQUEST(Code.SETUP0001)
```

```
description = "Database is in a corrupt, unrepairable state. Please schedule a time to "
+ "execute a rediscover operation (igls appliance rediscover).";
severity = AlarmSeverity.CRITICAL;
```

Get Help on this Alarm

The database is used for validations, if eyeglass is shutdown incorrectly or hard powered off the data base can be damaged. The data base can be rebuilt with the cli command `igls appliance rediscover`. This command will delete the database and rebuild from API calls to the cluster. This operation is safe to run to rebuild the database. If this error occurs more than once, open a support case with error code and upload support logs. **Impact: blocking saves to the database impacts failover readiness validations from completing and will not allow an accurate view of DR readiness until addressed.**

SETUP0002

```
SETUP_INVENTORY_DUPLICATES_CRITICAL(Code.SETUP0002) {
```

```
description = "Duplicate inventory found (please see alarm info); inventory not saved "
+ "to database as per request in file system.xml (tag manageinventoryduplicates). "
```



```
+ "Please correct this manually on your cluster or set the tag to 'DELETE' to allow the "
+ "system to do ignore those entries.";
severity = AlarmSeverity.CRITICAL;
```

Get Help on this Alarm

This alarm indicates duplicate cluster object detected which blocks saving to the database. This is normally an issue with cluster configuration that should be fixed on the cluster. Open a support case to identify the corrupt cluster configuration data. A work around option that allows duplicates to be removed before saving is available in the system.xml file, consult with support to apply this setting.

Impact: blocking saves to the database impacts failover readiness validations from completing and will not allow an accurate view of DR readiness until addressed.

SETUP0003

```
SETUP_INVENTORY_DUPLICATES_WARNING(Code.SETUP0003)
```

```
description = "Duplicate inventory found (please see alarm info); duplicate inventory has "
+ "been ignored and data is saved to database. Please correct this manually on your "
+ "cluster.";
severity = AlarmSeverity.WARNING;
```

Get Help on this Alarm

This alarm indicates duplicate data was detected by removed before saving to the database. This means the duplicate skip flag is set in system.xml to continue to save to the database after removing duplicate inventory data. Duplicate inventory indicates an issue with the cluster configuration data that should be fixed on the cluster. Duplicates can be synciq policy objects, share permissions and other configuration data, this should be fixed on the cluster. **Impact: no functional impact to eyeglass functions , this alarm indicates an issue was found on the clusters configuration data.**

ES001

```
"code": "ES001"
"description": "Eyeglass Search - Trace Notification"
```

Get Help on this Alarm

debug level messages

ES002

"code": "ES002"

"description": "Eyeglass Search - Informational Notification"

Get Help on this Alarm

not an error, indicates a task completed

ES003

"code": "ES003"

"description": "Eyeglass Search - Warning Notification"

warning condition on a task

ES004

"code": "ES004"

"description": "Eyeglass Search - Minor Notification"

Get Help on this Alarm

an alarm that has minor functional impact

ES005

"code": "ES005"

"description": "Eyeglass Search - Major Notification"

Get Help on this Alarm

functional impact

ES006

"code": "ES006"

"description": "Critical error in Eyeglass Search subsystem"

Get Help on this Alarm

product functionality impacted alarm

ES007

"code": "ES007"

"description": "Successfully initialized module"

Get Help on this Alarm

low impact state change

ES008

"code": "ES008"

"description": "Failed to initialize module"

Get Help on this Alarm

module could not start a task

ES009

"code": "ES009"

"description": "Consecutive service failure"

Get Help on this Alarm

a repeating failure condition

ES010

"code": "ES010"

"description": "Retrieved subsystem successfully"

Get Help on this Alarm

ES011

"code": "ES011"

"description": "Created subsystem successfully"

Get Help on this Alarm

ES012

"code": "ES012"

"description": "Deleted subsystem successfully"

Get Help on this Alarm

ES013

"code": "ES013"

"description": "Modified subsystem successfully"

Get Help on this Alarm

ES014

"code": "ES014"

"description": "Failed to retrieve subsystem"

Get Help on this Alarm

ES015

"code": "ES015"

"description": "Failed to create subsystem"

Get Help on this Alarm

ES016

"code": "ES016"

"description": "Failed to delete subsystem"

Get Help on this Alarm

ES017

"code": "ES017"

"description": "Failed to modify subsystem"

Get Help on this Alarm

ES018

"code": "ES018"

"description": "Added configuration successfully"

Get Help on this Alarm

ES019

"code": "ES019"

"description": "Deleted configuration successfully"

Get Help on this Alarm

ES020

"code": "ES020"

"description": "Modified configuration successfully"

Get Help on this Alarm

ES021

"code": "ES021"

"description": "Job started successfully"

Get Help on this Alarm

ES022

"code": "ES022"

"description": "Job completed successfully"

Get Help on this Alarm

ES023

"code": "ES023"

"description": "Job failed to run"

Get Help on this Alarm

ES024

"code": "ES024"

"description": "Login successful"

Get Help on this Alarm

ES025

"code": "ES025"

"description": "Login failed"Case

Get Help on this Alarm

LM0001

LM_LICENSE_TO_EXPIRE(Code.LM0001)

description = "License(s) to expire";
severity = AlarmSeverity.WARNING;

Get Help on this Alarm

This means the support license will expiry soon and renewal order is required

LM0002

LM_LICENSE_HAS_EXPIRED(Code.LM0002)

description = "License(s) expired";
severity = AlarmSeverity.MAJOR;

Get Help on this Alarm

This alarm indicates the maintenance has expired and access to support and software will not be possible until the new key is replaced.

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