

Superna Eyeglass Isilon Solutions - Business Protection You Can Count On

Eyeglass Advanced Failover
Configurations Webcast

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Webcast Agenda - Advanced Failover Topics



1. **No Configuration Sync Failover**
2. **Quotas**
 - a. **Skip Quota Failover**
 - b. **Pre-sync Quotas**
3. **Fast Failover**
 - a. **Parallel Step Failover**
 - b. **Parallel Failovers**
4. **Data Integrity Failovers**
5. **Failover log Decoded**

No Configuration Sync Failover



Host A

Two Different hosts and Exports - No Need to Sync

Host B

Production Site

WAN

DR Site



- SyncIQ Policies
- Share 1
 - Share 2
 - Export 1
 - Export 2

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Eyeglass Application



- Edit Configuration(s)
 - Run Now
 - Enable/Disable Microsoft DFS
 - Set Schedule
 - Enable/Disable
 - Delete
 - Enable/Disable Skip Config Replication
- Select a bulk action ▼ Add New Job

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- SyncIQ Policies
- Synced Share 1
 - Synced Share 2
 - Synced Export 1
 - Synced Export 2

- SyncIQ Policies
- Synced Share 1
 - Synced Share 2
 - Synced Export 1
 - Synced Export 2

- SyncIQ Policies
- Share 1
 - Share 2
 - Export 1
 - Export 2

Quotas and Failover



1. Quotas can be pre-synced with Onefs 8, no need to fail them over!!!
 - a. Enable with “igls adv quotas set --quotapresync=true”
 - b. OR Skip quota failover if you plan to failback.
 - c. This avoids quota scan issue causes issues with syncIQ.

Select Failover Options

- Controlled Failover Quota Sync
- Data sync ⓘ
- Config sync ⓘ
- SMB Data Integrity Failover ⓘ
- SyncIQ Resync Prep ⓘ
- Disable SyncIQ Jobs on Failover Target ⓘ
- Block Failover on Warnings

Parallel Failover.. Faster is better



1. Everyone wants failovers to be faster... now they are.
 - a. Enable these two settings.
 - i. `igls adv failovermode set --parallel=true`
 - ii. `system.xml <run_concurrent_fofb>true</run_concurrent_fofb>`
 - b. Enables step parallel mode and two or more failovers at the same time.

Data Integrity Failover



1. Email users to log off and stop writing. No one listens and continues to write data over a failover.
 - a. **Impact:** Data loss is guaranteed
2. **The solution:**
 - a. Data Integrity failover with Eyeglass modifies only affected shares with Deny everyone permission to disconnect users before failover starts

Continue on Error?



1. If a step fails keep trying remaining steps.
 - a. 2.0 and later now complete as much of the failover as possible
2. All dependant steps are skipped if the parent step fails.
 - a. Example Make writeable Step for SyncIQ fails, no point in running resync prep step. Log as skipped.
3. Easier to root cause and read failover logs knowing downstream steps will be skipped when it makes sense.

Failover logs Decoded



1. color coded (green good, Red is bad)
2. Each policy has a green timer entry for each policy that indicates how long the data took to failover including client redirection step and indicates accessible data.
3. Final summary of each major step shows times per step
4. URL to monitor long running tasks executing on the cluster
5. Fastest support is cut and paste the running log to a open support case.