

LFS Migrate Incompatible with EXAScaler Metadata, Hot Pools



ALERT! Running `lfs_migrate` against EXAScaler metadata or against data using hot pools can put data integrity at risk.

Issue Summary

DDN Engineering has found a serious issue with the `lfs_migrate` utility when used with EXAScaler or a standalone Lustre file system. This issue can put data integrity at risk in two ways:

- `lfs_migrate` with the `-m` (metadata) option is considered unsafe and should not be run.
- `lfs_migrate` without the `-m` option (that is, targeting OSTs) causes FLR mirrored files to lose their mirrors.

NOTE This issue affects both `lfs_migrate` and `lfs migrate`.

Do not run `lfs_migrate` against MDTs (metadata targets) for any reason.

Do not run `lfs_migrate` against OSTs (object storage targets) if hot pools are enabled or FLR mirrors are used. The EXAScaler hot pools features uses FLR mirrored files.

It is considered safe to run `lfs_migrate` without the `-m` option against OSTs if neither FLR mirroring nor hot pools are enabled on the file system.

Affected Products

This issue affects all EXAScaler versions.

Resolution

Possible paths to resolution have not yet been determined.

Workaround

No workaround is available at this time.

Contacting DDN Technical Support

Please contact DDN Technical Support at any time if you have questions or need assistance. Support can be reached on the web, by email, or by phone as listed below.

Web

DDN Community Support Portal <https://community.ddn.com/login>
Portal Assistance webportal.support@ddn.com

Email

Support Email support@ddn.com

Telephone

DDN Support Worldwide Directory <https://www.ddn.com/support/global-services-overview/>

Bulletins & Notices

Support Bulletins <http://www.ddn.com/support/technical-support-bulletins>
End-of-Life Notices <http://www.ddn.com/support/end-of-life-notices>
Release Notes <https://community.ddn.com/login>
TSB Subscription Requests support-tsb@ddn.com