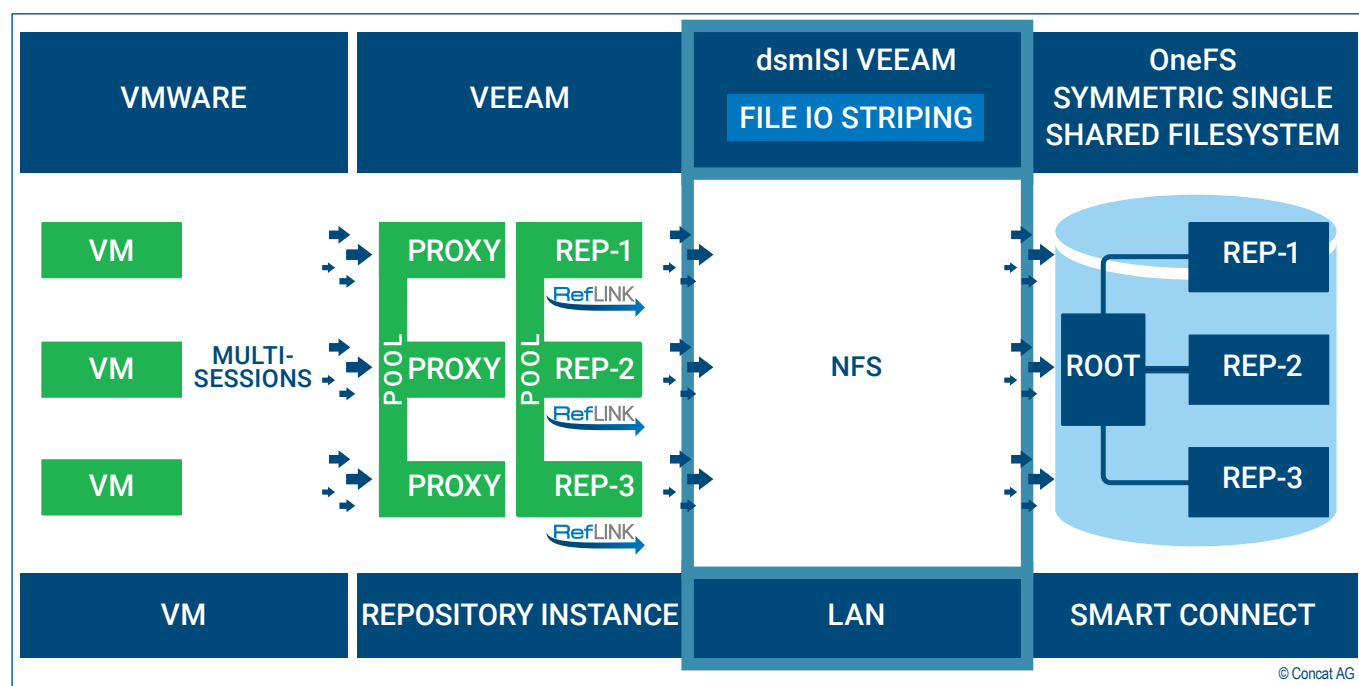# dsmISI/OneFS for Veeam XFS Reflink Integration
DRASTICALLY REDUCES BACKUP TIMES

dsmISI veeAM

Veeam reduces backup times substantially by utilizing Linux XFS reflink. dsmISI/OneFS supports XFS reflink on Scale-out-NAS storage and thus enables linear scalability while minimizing management effort.

dsmISI/OneFS fulfils all requirements for a scalable and easily manageable, economical back-end and is therefore the ideal target for Veeam Backups. DellEMC OneFS is a single file system which scales capacity and throughput linearly by adding nodes.

dsmISI stripes all Veeam backup streams across all nodes of a cluster while OneFS constantly balances capacity. In theory, a single stream of data can therefore be as fast as the sum of all nodes, and OneFS is designed to accept many streams sharing this performance when reading and writing.

dsmISI now supports XFS reflink for synthetic processes which would not be possible on any NAS storage without dsmISI. Compared to block storage, this drastically simplifies deployment and automation.
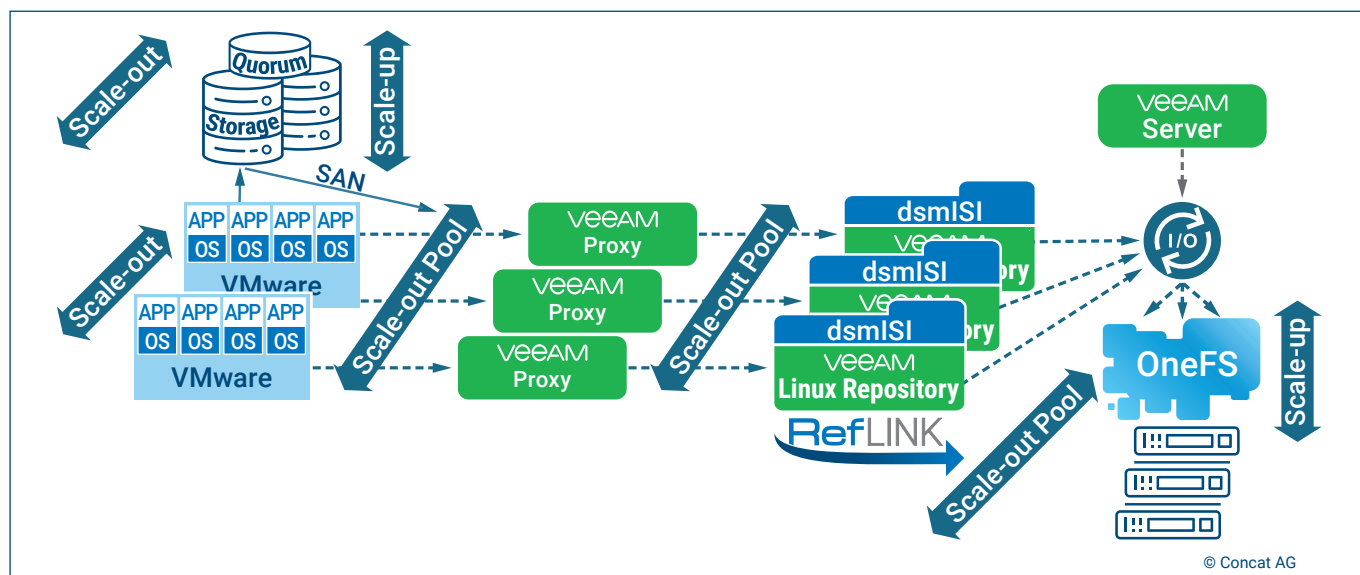
concat AG
I T SOLUTIONS

Capacity can be shared dynamically and with a high degree of flexibility. Every XFS file system can be mounted or unmounted to/from any Linux repository server with a single command if a server failure or maintenance downtime should require moving a repository.

By utilizing XFS reflink, random-heavy workloads no longer occur during backup and processes run almost entirely with sequential storage access patterns, which allows utilizing high capacity, economical OneFS nodes.

No longer having to run full backups together with compression and deduplication minimizes capacity requirements.

BENEFITS OF DSMISI ONE/FS FOR VEEAM:

- By combining the efficiency of XFS reflink and the scalability of dsmISI/OneFS, Veeam becomes an even better backup solution for large enterprises.
- dsmISI/OneFS is the only solution on the market enabling XFS reflink on scale-out-NAS storage.
- Cost for storage and management are reduced.
- Using XFS with reflink requires Veeam V10 or later and supports any DellEMC PowerScale (Isilon) configuration.

- Utilizes all nodes in a OneFS cluster simultaneously.
- Connects automatically to all nodes which are connected to the same network.
- Equally utilizes all nodes' capacities and throughputs even after adding nodes.
- Supports files larger than 16 TB with Veeam on Isilon through dsmISI.

© Concat AG

veeAM
READY

Repository

veeAM

PROPARTNER
Gold Reseller

concat AG
IT SOLUTIONS

A Meridian Group International Company

dsmISI Suite has been developed by our technology partner General Storage.