Vault File System

Erasure Coded Software Defined Data Storage for Long-Term Active Archives

SWISS VAULT

OVERCOMING DATA CHALLENGES

Is your data growing rapidly?

OUT OF DISK & FLOOR SPACE ?

Are you running out of space to store your data?

SLOW ACCESS TO ARCHIVE ?

Are your data read & write speeds too slow?

DATA MIGRATION HEADACHES?

Can you benefit from automated data migration?

VAULT FILE SYSTEM (VaultFS)

Contact us to test the Vault File System

REDUCE DATA STORAGE COSTS!

HOW CAN VAULT FILE SYSTEM HELP?

MAXIMIZE STORAGE EFFICIENCY WITH ERASURE CODING & COMPRESSION

ENHANCE READ / WRITE SPEEDS WITH PARALLEL & DISTRIBUTED PERFORMANCE

AUTOMATED DATA MIGRATION & SCALE-UP

BOOST DATA AVAILABILITY AND RESILIENCE TO 17 Nines

LOWER YOUR CAPEX & OPEX

SWISS VAULT

BREAKING THROUGH TODAY'S DATA BARRIERS

SWISS VAULT developed **VAULT File System ,** a resilient solution for long-term (100 Year) data storage.

SAVE SPACE & ENERGY
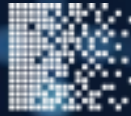The novel Erasure Coding algorithm reduces data volumes while increasing data resiliency.

AUTOMATED DATA MIGRATION
Auto bit-rot and file repair, easy to scale-up data storage, and migration to new servers in your data center.

INCREASE SUSTAINABILITY
VaultFS reduces the CO_2 footprint of the data center by lowering the energy per data volume. One can maximize the lifespan of disks' and servers' because the distributed data is secure. This reduces electronic-waste.

VAULT FILE SYSTEM'S FEATURES

ERASURE CODING

COMPRESSION

DISTRIBUTED ARCHITECTURE

COMPATIBLE WITH ALL HARDWARE

HIGH DATA AVAILABILITY

RELIABLE & ROBUST

DID YOU KNOW?

Vault File System (VaultFS) is an innovative software technology with the following features & benefits:

ERASURE CODING & LOSSLESS COMPRESSION
Maximize data storage efficiency with advanced erasure coding and compression technologies. Choose any Data (D) and Parity (P) setting. No more data REPLICATION!

FAST READ & WRITE SPEEDS
Parallel and distributed architecture results in high speeds from low performance disks and servers and network connections.

INCREASE RELIABILITY & ROBUSTNESS
Boost reliability and robustness with low data volume overhead. Maximize your hardware's functional life – reducing CAPEX and OPEX costs.

WORKS ON ALL HARDWARE
Easy to install and maintain, compatible with mixed server hardware and disk sizes (volumes), ensuring seamless integration in your data center.