

Scaleway S3 Glacier: tape archiving for the masses

Friday 28 March 2025 09:00 (30 minutes)

For six years Scaleway offered S3 Glacier-class storage fully operated on mostly powered-off SMR disks. This enabled us to offer our customers fast restore time while remaining cost effective, using a mix of commodity and custom hardware.

As our S3 service grew, and since we cannot control nor predict public cloud workloads, the former glacier stack was unable to keep up while becoming more difficult to maintain and operate.

Storing on tape presents its own set of challenges, optimising a disk-oriented workflow to suit a tape-based backend, while being unable to predict the immediate needs of our clients.

This presentation will talk about lessons learned and what the Scaleway Glacier future looks like.

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