

Run enterprise NAS and parallel file systems for HPC and AI

MayaNAS delivers enterprise file (NFS, SMB) and parallel file systems (Lustre, pNFS) from one engine, directly on Google Cloud Storage

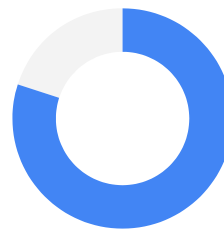
Traditional cloud NAS is no longer enough. Teams need familiar enterprise file services and, increasingly, parallel-file-system performance for HPC and AI — but those capabilities usually live in separate products, on separate infrastructure. Managed file services are costly at scale, object storage isn't a filesystem, and standing up a parallel filesystem is its own project.

What teams need is a single engine that serves standard NAS today and scales to parallel, GPU-class throughput when workloads demand it — on cloud economics, without deploying and operating multiple systems.

Together, MayaNAS and Google Cloud serve enterprise file and HPC/AI parallel storage from one substrate.

MayaNAS presents standard enterprise file protocols — NFS and SMB with Active Directory — and high-performance parallel file systems — Lustre and pNFS Flex Files — over the same data, running entirely on standard Google Cloud virtual machines.

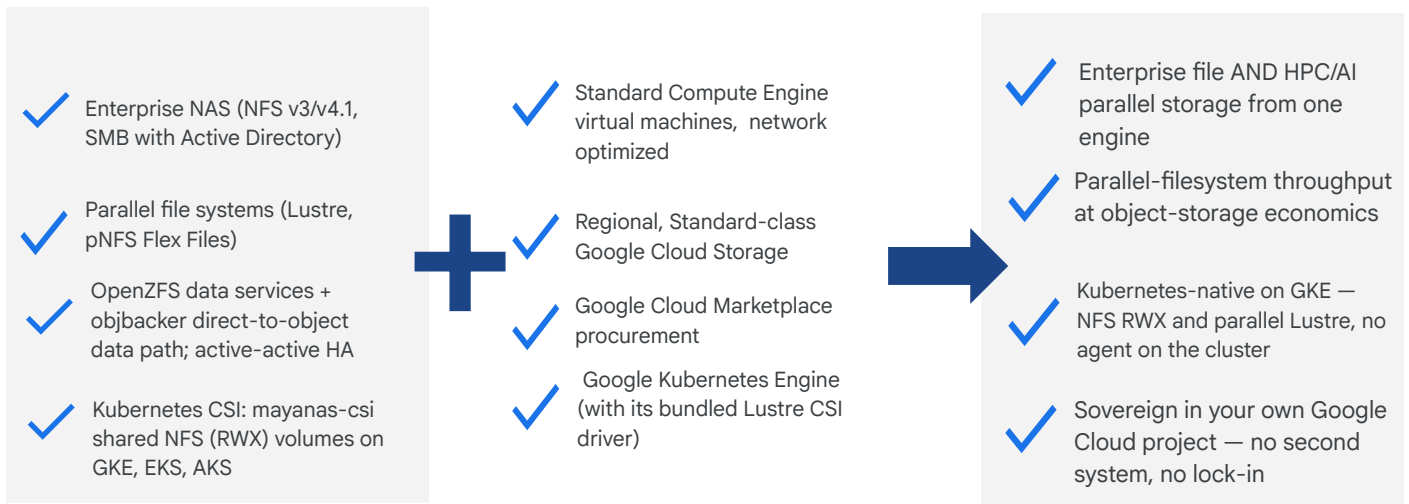
Bulk capacity lives directly on regional, Standard-class Google Cloud Storage: each OST is an OpenZFS dataset over object storage, with a small NVMe special vdev holding only metadata and small blocks. Clients connect with the standard, open-source in-box tools — no proprietary software to install. MayaNAS runs active-active and scales by adding storage-node HA pairs and clients.



92%

Accelerator utilization sustained on 3D U-Net in MLPerf® Storage v3.0, run on Google Cloud.

The result is NAS when you need NAS, and a parallel filesystem when you need scale — one engine, one namespace, one operational model. And because the filesystem, buckets, and keys all stay inside the customer's own Google Cloud project, the design meets data-residency and sovereignty requirements out of the box.



Enterprise NAS is ready on Google Cloud today.

MayaNAS delivers everything teams expect from enterprise NAS: standard NFS and SMB with Active Directory, active-active high availability, and the full set of OpenZFS data services — snapshots, clones, continuous replication, compression, and encryption. It presents these over cloud object storage, so file shares scale from terabytes to petabytes at Google Cloud Storage economics. Migrating an existing NAS or file workload to Google Cloud is straightforward, with familiar protocols and enterprise features intact — home directories and Windows shares, Splunk and Elastic indexes, media libraries, and genomics output all land on the same pool. This is the dependable, familiar half of the platform — the NAS your teams already know, delivered on Google Cloud.

The same engine scales to parallel performance for HPC and AI. MayaNAS

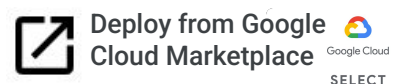
goes far beyond traditional NAS. It serves Lustre and pNFS Flex Files for parallel, high-throughput access to HPC and GPU clients, using standard in-box Linux clients with no proprietary software. In MLPerf® Storage v3.0, run entirely on Google Cloud, MayaNAS sustained about 92% accelerator utilization on 3D U-Net and checkpointed Llama 3 70B at 32.42 GiB/s write and 21.20 GiB/s read; among all submissions, it is the only one to run Lustre directly on a cloud object-storage tier. Teams get parallel-filesystem performance without standing up a separate parallel-FS product.

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One sovereign substrate runs in your own Google Cloud project.

File, parallel, and block services come from one namespace, inside the customer's own Google Cloud project — the filesystem, the Google Cloud Storage buckets, and the keys never leave their account, meeting data-residency and sovereignty requirements. Everything is standards-based on the open Linux and OpenZFS stack, so there is no proprietary client and no lock-in. MayaNAS runs on standard Compute Engine VMs with no specialized hardware, and deploys from Google Cloud Marketplace or as code with Terraform in minutes. One substrate replaces separate NAS, parallel-filesystem, and block systems.

Traditional NAS is table stakes; MayaNAS and Google Cloud give you that and much more — enterprise file, HPC and AI parallel storage, and block, from one engine on Google Cloud Storage, in your own project. One substrate that grows from file shares to GPU-scale parallel I/O.



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