Flexibility & Scalability

FIVE THINGS ABOUT…

Scalability is the essence of flexibility and long-term value. If your storage solution can't grow with your business, then you'll soon be laying out more investment money to accommodate more users, more demanding workflows, and changing business conditions. Understand how your data storage solution scales!

3 Modularity (compute and capacity)

Another valuable characteristic for enhancing scalability is separating out the functional components into discrete modules such as compute and capacity. This technique enables different functional combinations to suit more diverse resource requirements. It also provides our storage with the ability to run containers right on the solution itself, closest to the data those containerized applications demand.

2 Scale out

For larger enterprises trying to accommodate massive volumes of dynamic data and a growing user base, scaling out is the best way to go. The ability to add modules, nodes, and clusters to distribute workloads and provide edge-type storage capabilities depends on the robust capabilities of the software tying it all together. We support parallel distribution of our file system to grow horizontally to meet any enterprise's needs.

4 Drive technologies

The balance between cost and performance is best demonstrated through different storage media options. For raw performance, more expensive flash drives can power extreme workloads. Hard drives, on the other hand, provide suitable capacity at a more economical price point. Striking the middle position means hybrid capacity combining flash and spinning disk.

1 Scale up

Demanding workflows and workloads require additional compute, memory, and capacity resources to complete. We built our data storage solutions around the capability to scale up with these resources to enable outperformance no matter the resource demands. Some solutions might say they scale up, but are they tuned to take advantage of scaled-up resources with the enterprise applications they support?

5 Cloud scalability

Cloud storage services offer another dimension of scalability, though you have to weigh the flexibility with concerns over additional costs, performance obstacles, and security. Nonetheless our support on-prem and cloud storage in hybrid architectures.

open DRIVES

NAS architectures are powerful, flexible, scalable, and more cost-effective.

These are the reasons that industry analysts predict NAS will continue to gain traction in most vertical markets.

"The key feature of NAS is the ability to provide multiple-client access to the same file. NAS devices offer **vertical** and **horizontal** scalability."

Markets and Markets, Next-Generation Data Storage to 2025, pg. 58.

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