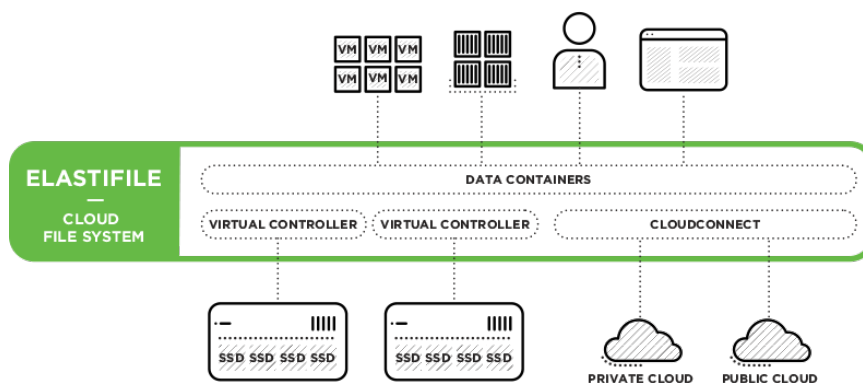


Cloud-Scale, Distributed Architecture



Elastifile Cloud File System™ (ECFS) is a software-defined data infrastructure solution designed for seamless and efficient management of dynamic workloads across heterogeneous environments. Elastifile provides the architecture needed to optimize your hybrid cloud environment, by facilitating data access across cloud and on-premises boundaries - with all the advantages of public IAAS everywhere. A high-level architecture of ECFS is provided in the following diagram:



Designed For Scale

Go big or go home. Efficient scalability is essential to supporting large—on premises, cloud, and/or hybrid deployments. To achieve this, Elastifile was designed to avoid traditional storage bottlenecks and deliver seamless expansion to 1000s of nodes. Its fully distributed metadata model, supported by dynamic fine-grained data ownership and a high-performance consensus algorithm, delivers linearly scalable performance while maintaining strict consistency at scale.

Designed For Noisy, Heterogeneous Environments

Stuff happens. At scale, occasional unexpected issues are inevitable. Networks slow down and hardware fails. To make matters worse, many environments, particularly in the cloud, employ a broad mix of hardware, knowable only as abstract virtual servers. To cope with these noisy, heterogeneous, real-world environments, Elastifile makes real-time adjustments based on the availability and performance of the underlying infrastructure.

Designed For Flash

The era of flash is upon us. Dramatic improvements in affordability, raw performance, and accessibility have made flash the clear choice for enterprise primary storage. However, effectively capitalizing on flash's potential requires a modern, purpose-built storage architecture. Elastifile was designed for flash from the ground up, with none of the traditional shortcuts and inefficiencies that hinder traditional storage solutions.

Designed For Self Service

Applications care about data, not storage. That realization is crucial to the design and delivery of effective, self service solutions. To manage data efficiently while delivering self-service, a file system the optimal solution. Files deliver the metadata context required to make intelligent, automated storage-level decisions, while also remaining accessible to both applications and end-users.



Specification (per Node)

2	Intel Xeon E5-2687W v4 3.0GHz,30M Cache,9.60GT/s QPI,Turbo,HT,12C/24T (160W) Max Mem 2400MHz
1	Chassis with up to 16, 2.5 Hard Drives
1	2400MT/s RDIMMs
8	16GB RDIMM, 2400MT/s, Dual Rank, x8 Data Width
1	120GB Solid State Drive SATA Boot 6Gbps 2.5in Hot-plug Drive,13G
12	3.84TB Solid State Drive SATA Read Intensive TLC 6Gbps 2.5in Hot-plug Drive, PM863
1	PERC H730 Integrated RAID Controller, 1GB Cache
1	Dual, Hot-plug, Redundant Power Supply (1+1), 750W
2	2M Rack Power Cord C13/C14 12A
1	Intel X520 DP 10Gb DA/SFP+, + I350 DP 1Gb Ethernet, Network Daughter Card
1	ReadyRails Sliding Rails With Cable Management Arm
1	Unconfigured RAID for H330/H730/H730P (1-16 HDDs or SSDs)

We Support You

And that means, no matter the country, day, or time, we've got your questions covered. Our global support experts work alongside our engineering teams to quickly provide the solution you need.

About Us

Elastifile is redefining the way data is stored and managed, enabling seamless deployment of private and hybrid cloud solutions. With enterprises and service providers facing increasing pressure to support both on-premises and cloud workflows, Elastifile delivers a revolutionary cross-cloud data fabric that unifies the data across these environments within the single global namespace of a global file/object system. The Elastifile data fabric is elastic, easy to deploy and manage, and scales out on demand. Resources are intelligently shared across all environments. Elastifile was founded in 2013 and is backed by seven market leaders from across the data center and storage industries, Battery Ventures and Lightspeed Venture Partners.



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