



Solution Brief

NetApp Private Storage as a Service Fueled by Faction

Pay as you go for enterprise storage with multicloud access

Key Benefits

- Connect to multiple public clouds and switch any time without moving your data.
- Maintain control of your data on private NetApp® storage space.
- Get cloud elasticity with proven enterprise storage.
- Avoid overprovisioning with the flexibility of pay-as-you-go pricing.
- Implement cost-effective backup and disaster recovery.
- Streamline deployment and support.
- Choose from a portfolio of complementary cloud services available on a single contract.

The Challenge

It is now easier than ever for organizations to leverage storage, compute, database, analytics, and development resources as a service from public cloud providers such as Amazon Web Services (AWS), SoftLayer, and Microsoft Azure. These “hyperscale” providers offer compelling value for organizations using cloud services to accelerate development and increase agility to meet peak load times or unexpected demand. These providers also offer compelling value for organizations to change capital expenses to operating expenses that scale in line with revenue.

However, rapid adoption of public cloud services has been slowed by concerns over security, compliance, cost, vendor lock-in, and training. Organizations are grappling with such questions as:

- Who has access to our data?
- Where is the data located and how can I show a chain of custody?
- How can I source cloud services from multiple providers to improve price leverage?
- How can I get my data out of the cloud quickly and cost effectively?
- How can I expand my capabilities without having to hire or retrain workers?

Organizations are ready for a service that can address these concerns while providing the elasticity and cost benefits of hyperscale cloud services.

The Solution

NetApp Private Storage as a Service Fueled by Faction gives you the freedom to connect to multiple industry-leading clouds while maintaining control of your data on private NetApp FAS storage systems—with no capital expenditure. With your data hosted in the Faction cloud nodes, your compute will have the performance you demand while your data remains secure and protected in a colocation facility.

Choose from AWS, SoftLayer, and or Microsoft Azure public cloud services. Dedicated high-speed connections to Faction’s cloud nodes through Amazon Direct Connect, Microsoft ExpressRoute, and SoftLayer Direct Link make it easy to switch cloud services in seconds without migrating data. Select either a 1G or 10GB link so that your enterprise applications get the high performance and low latency they need.

There is no need to procure, deploy, or maintain infrastructure from multiple vendors; setting up service is easy. You can start small and scale up as your business grows, adjusting your compute and storage resources on the fly in line with your business needs. Single-source billing and support simplify purchasing, implementation, and management.

Faction's Cloud Nodes

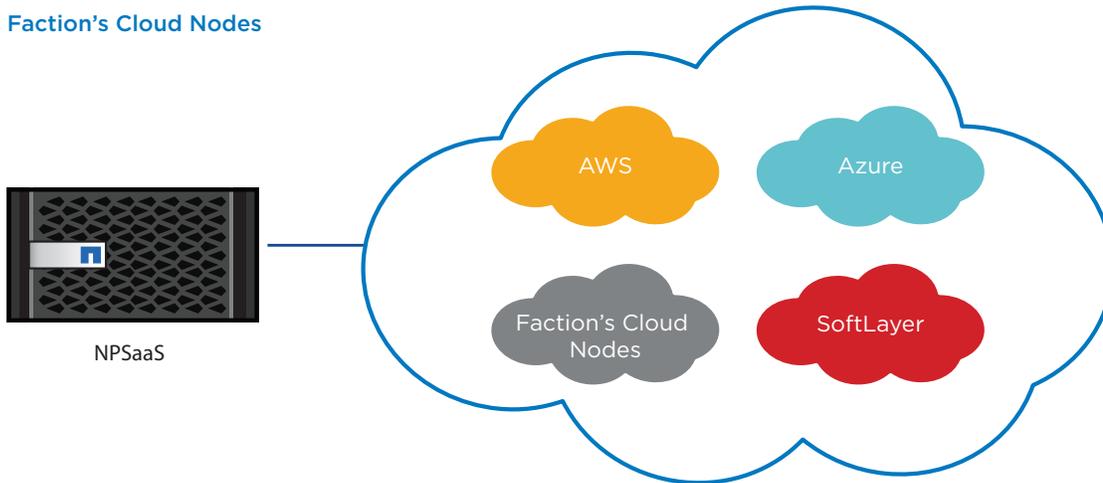


Figure 1) Allows customers to pick the best hybrid mix of storage and compute for their needs across both private and public clouds.

Connect to Many Clouds and Switch Any Time Without Moving Your Data

Start with your favorite cloud, then add new clouds or switch clouds in minutes. Once you establish a secure, dedicated, high-speed network connection from your NetApp storage to Faction's NetApp Private Storage, it's easy to add new clouds or switch clouds without costly data migrations.

With access to multiple clouds, you can match your clouds to your workloads and choose the right mix of clouds for business at hand. For example, one vendor might have better graphics computing but a higher price point. In that case, you can temporarily access cloud resources from that vendor and easily switch back to a lower-cost service.

Maintain Control of Your Data on Private NetApp Storage

When you control your storage, you can meet the most stringent data compliance requirements because you know where your data lives at all times. With advanced data protection features such as NetApp SnapLock® technology and NetApp disk encryption, you can achieve compliance standards in even the strictest industries.

With your storage in a Faction cloud node, you get unmatched physical and environmental security for your data. In addition, your business-critical applications will benefit from NetApp Integrated Data Protection features, such as space-efficient NetApp Snapshot® copies for backup and rapid recovery.

Get Cloud Elasticity with Proven Enterprise Storage

Public cloud services offer enterprises the elasticity to scale resources on demand. Now you can get the same flexibility with the added performance and availability of proven enterprise storage.

You can match compute resources to utilization and avoid the large capex investments required to address peak, unforecasted, or seasonal workloads. You can also accelerate test and development by scaling compute resources up and down as needed using the most cost-effective service.

Avoid Overprovisioning with the Flexibility of Pay-As-You-Go Pricing

NetApp Private Storage as a Service Fueled by Faction lets you avoid the costly practice of overprovisioning infrastructure to anticipate future needs. You don't need to know exactly where you're going to be in three years. You can pay per terabyte per month with no minimum monthly fees.

Implement Cost-Effective Backup and Disaster Recovery

Deploy cost-effective single- or multi-region multicloud disaster recovery by activating your cloud only in test or failover scenarios. NetApp Private Storage as a Service Fueled by Faction lets you replicate data seamlessly between your private data center and cloud instances. Backing up to the cloud is easy using NetApp Snapshot technology.

Streamline Deployment and Support

NetApp Private Storage as a Service Fueled by Faction accelerates deployment of storage resources from weeks to days. Get fast access to the cloud from your own private NetApp storage space but avoid the time and cost of purchasing, deploying, and managing it.

Faction makes it easy by selling this service through the company's network of trusted resellers. With this service, you can centralize management and gain a consolidated view of your cloud resources.

Support for the service is provided by Faction, which offers dedicated virtualization management portals, dedicated resources, an agnostic technology platform, and a 100% money-back service-level agreement.

NetApp FAS and All Flash FAS Storage Configurations

NetApp Private Storage for Cloud gives you the benefits of public cloud compute with fully managed, high-performance NetApp storage. You'll be given a NetApp based storage virtual machine isolated on your own VLAN and the ability to quickly and easily transfer data to and from the share using NetApp SnapMirror® technology.

NetApp FAS with Flash Pool™ technology enables you to accelerate workloads with high-performance caching that improves response time and overall throughput for I/O-bound data access operations. Ensure performance for your applications and workloads by matching storage quality of service (QoS) to bandwidth. With every 100Mb of bandwidth you add you get 100Mb storage QoS.

Maintain total control over your data. Manage your snapshot backup schedules and data retention policies, spin up NetApp FlexClone® copies, and manage quotas. You can also schedule SnapMirror and NetApp SnapVault® transfers, resync data, and handle failover and failback all from a single management portal.

About Faction

Faction is a leading enterprise-class private cloud infrastructure provider focused on delivering a best-in-class private cloud experience through service providers and partners. Faction supplies highly-customizable managed private cloud solutions on a platform that delivers security, value, and ease-of-use for small and large enterprises alike. Faction delivers patented advanced software-defined networking capabilities that make it easy to connect existing enterprise network, datacenter environments, and public clouds to Faction managed private cloud environments. Faction's sophisticated storage capabilities allow customers to customize both capacity and performance of their cloud storage, while delivering advanced object store and cost-effective cold storage capabilities. Faction delivers their private cloud capabilities at locations across the United States and Europe (including Seattle, Santa Clara, Denver, Chicago, Atlanta, New Jersey, New York, and the United Kingdom), allowing low-latency interconnection with commodity public clouds.

Faction has successfully completed the Type II SSAE 16/SOC 1 and SOC 2 examinations. Faction is a Platinum-level NetApp Service Provider, and is VMware Hybrid Cloud® and IaaS® Powered. For more information, visit the Faction website at www.FactionInc.com or call 1 855 532 4734.

About NetApp

Leading organizations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future.

www.netapp.com

