

NetApp Keystone storage as a service (STaaS)



NetApp Keystone® storage as a service (STaaS) lets you consume file, block, and object data storage and data management services in a flexible way, either on your premises or in a hybrid cloud. Keystone STaaS enables you to accelerate time to market and value because you don't have the business and IT burdens of procuring and managing assets and resources. You can consume the service as is or customize it with additional professional or managed services; you can also use it as a foundation for building higher level, value-added services. This flexibility makes Keystone STaaS suitable for end-customer consumption, with the service delivered directly by NetApp or by NetApp partners or service providers.

You can choose between an on-premises subscription or a hybrid subscription, which combines on-premises storage with NetApp® Cloud Volumes ONTAP® software. The subscriptions offer:

- Block, file, and object storage types
- (Optional for on premises) Cloud-based Cloud Volumes ONTAP, providing bursting, data protection, and migrating to the cloud
- Capacity, health, performance, and power consumption service levels
- Capacity, health, and performance dashboard and reporting
- Low minimum capacity and term commitments
- Additional 20% pay-per-use burst capacity
- NetApp ONTAP or StorageGRID® data protection and management features
- NetApp owned subscription products that are deployed at customer site
- Installation, monitoring, management, support, updates, deinstallation, and shipping
- Customer-controlled access, security, and administration of subscription products
- Keystone Success Manager
- Additional STaaS services available for extra fees

	Description
Offerings	<ul style="list-style-type: none"> • Keystone STaaS On-Premises • Keystone STaaS Hybrid (On-Premises + Cloud Volumes ONTAP)
Term	<ul style="list-style-type: none"> • STaaS On-Premises: up to 5-year terms with default 12-month autorenewals • STaaS Hybrid: up to 3-year terms with default 12-month autorenewals
Minimum commitments and invoicing	<ul style="list-style-type: none"> • Required minimum capacity commitments by performance levels, with corresponding minimum payment amounts for full subscription term • Invoicing for STaaS On-Premises: <ul style="list-style-type: none"> • Monthly, in arrears • Annual, in advance • Invoicing for STaaS Hybrid: Monthly, in arrears
Service modifications	<ul style="list-style-type: none"> • Committed capacity can be increased up to 90 days before the end of term. • Monthly in arrears invoicing: Committed capacity can be decreased at renewal of term; subject to minimum capacity or minimum fees. • Multiyear On-Premises Services term with Annual in-advance billing: Committed total contract value (TCV) can be reduced up to 25% at start of next 12-month period; subject to minimum capacity or minimum fees. • STaaS Hybrid: Up to 25% of the current on-premises annual contract value (ACV) can be reallocated to Cloud Volumes ONTAP quarterly.
Included storage software features	<ul style="list-style-type: none"> • ONTAP based file and block features: <ul style="list-style-type: none"> • Protocols: NAS protocols (NFS, CIFS), SAN protocols (FCP, iSCSI, NVMe), S3 (for FabricPool tiering use only). • Data management: NetApp FlexVol® volumes, FabricPool (to supported NetApp data storage targets), ONTAP FlexGroup volumes, NetApp Snapshot™ copies, NetApp FlexClone® volumes, NetApp SnapRestore® software. • Data protection: NetApp SnapCenter®, SnapManager®, and SnapVault® software, and NetApp SnapMirror® Asynchronous replication. • Encryption: Volume encryption, Trusted Platform Module (TPM), data-at-rest encryption. • Security and compliance: NetApp FPolicy, multitenant key management, NetApp SnapLock® Enterprise software, Autonomous Ransomware Protection. • Object performance level includes use of all StorageGRID features.
Included services	<ul style="list-style-type: none"> • Keystone STaaS design • Subscription products owned and selected by NetApp • Site requirements • Shipping, installation, and return • Monitoring and reporting • Technical support and support parts delivery and replacement • Capacity, health, and performance management • Hardware and software updates • Keystone Success Manager
Additional services	<ul style="list-style-type: none"> • Advanced data protection • Data tiering to non NetApp targets • Nonreturnable nonvolatile components • U.S. Citizen Support

Description

On-premises performance levels

Storage type	File and block					Object
Supported protocols	NFS, SMB, CIFS, iSCSI, FC, S3* [* for FabricPool use only]					S3
Performance level	Extreme	Premium	Performance	Standard	Value	n/a
Max IOPS/ logical TiB stored per volume @ 32K block size	12,288	4,096	2,048	512	128	n/a
Target IOPS/ logical TiB allocated per volume @ 32K block size	6,144	2,048	1,024	256	64	n/a
Max MBps/ logical TiB stored per volume @ 32K block size	384	128	64	16	4	n/a
Target 90th percentile latency	<1ms	<2ms	<4ms	<4ms	<17ms	n/a
Platform	ONTAP	ONTAP	ONTAP	ONTAP	ONTAP	StorageGRID
Min committed capacity per Keystone order	25TiB			100TiB		500TiB
Committed capacity increase increment	1TiB					1TiB
Committed and metered capacity type	Logical					Physical

Cloud Volumes performance levels

Storage type	Cloud Volumes ONTAP
Supported protocols	NFS, CIFS, iSCSI, S3* (* AWS and Azure only)
Platform	Cloud Volumes ONTAP
Min committed capacity per Keystone order	4TiB
Capacity increase increment	1TiB
Committed and metered capacity type	Logical

Service levels

- Capacity (committed capacity plus guaranteed 20% burst capacity)
- Performance (per performance level table above)
- Availability (99.999%)
- Technical support (time to respond: P1, 30 min; P2, 2 hrs; P3, 8 hrs; P4, 24 hrs)
- Service parts delivery and on-site replacement (4 hours, where available)
- Sustainability Guarantee
- Service levels assume customer fulfillment of responsibilities, including maintaining on-premises subscription products in good condition, ensuring that they remain fully operational, and permitting NetApp reasonable access, either remotely or on premises as necessary



About NetApp

In a world full of generalists, NetApp is a specialist. We're focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world's biggest public clouds.

As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services and applications to the right people—anytime, anywhere. www.netapp.com



+1 877 263 8277