NetApp NSW GovCloud

Secure, flexible, and scalable cloud for NSW Government
NetApp® NSW GovCloud provides flexible, scalable hybrid services (via our partner community) to assist NSW Government agencies when applying the key principles of the NSW Government cloud strategy.

Infrastructure as a service (IaaS)
NetApp IaaS is a service offering from NetApp for use by NSW Government agencies in the GovDC marketplace. IaaS offers an enterprise-class solution, composed of storage, compute bundled with networking, and NetApp services at compelling price points.

IaaS (Storage)

Extreme All-Flash	High performance All-Flash	Performance All-Flash	Value Flash-accelerated HDD	S3 Object Object storage
High Performance	High Performance	High Performance	High Performance	Public Cloud S3 equivalent
• 8192 IOPS/TB	• 4096 IOPS/TB	• 1512 IOPS/TB	• 256 IOPS/TB	• Object storage designed for billions of objects
• Designed for high performance databases, VMs, application servers	• Designed for databases, VMs, application servers	• Designed for databases, VM OS, High Performance File System	• Designed for general user/group file services	• Designed for backup repository, deep archive, image repository, analytics
• VMs/LUNs/Files with extreme performance profile	• VMs/LUNs/Files with heavy performance profile	• VMs/LUNs/Files with mid performance profile	• VMs/LUNs/Files with light performance profile	

IaaS (Compute)

| Node Size	CPU	Memory	Network
Low Core Count	Up to 8 cores (3.2GHz)	Up to 512GB	Up to 100GB
Small (Node)	Up to 20 cores	Up to 384GB	Up to 100GB
Medium (Node)	Up to 30 cores	Up to 512GB	Up to 100GB
Large (Node)	Up to 48 cores	Up to 1TB	Up to 100GB

Note: Ability to add NVIDIA cards to all node types.

Standard services

Features that set NetApp storage as a service (StaaS) apart from others, including automated workflows for improving time to market and service quality.

Service features

- Rapid storage provisioning
- Storage allocation reporting
- Block, file, and object services (CIFS, NFS, FC, iSCSI, and S3 protocol access)
- Incident notification
- Email subscriptions
- Encryption services
- Container (Kubernetes) ready
- Space-efficient online instant backups (NetApp Snapshot™ copies)
- Efficient data replication
- Zero footprint data cloning
- NetApp Snapshot™ integrated backups
- On-access antivirus scanning
- Remote online backups
- Full disaster recovery capabilities
- S3 tiering capabilities
- Container-persistent storage with NetApp Trident
- Subscription or physical storage options
- Efficient data replication
- AI-driven cloud compliance
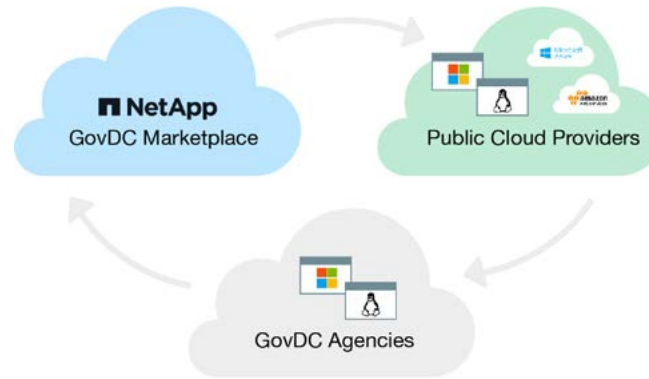
With IaaS, extend your data environment into GovDC's Government-provided networks or Cloud Connect feature.

Cloud Connected

Government agencies can connect storage services in GovDC to compute services in the large cloud providers (AWS, Azure, Google Cloud) and the ability to move data and applications easily from our services in GovDC.

Data Governance

Data is stored in a secure multitenant environment within GovDC, keeping it in your ownership and control. Your data also resides within the borders of NSW to ensure compliance with data sovereignty policies.

Predictable Costs

Avoid bill shock through a predictable cost model defined by a STaaS subscription that defines purchased service level, term, capacity, and extra services selections.

Make the move to containers

Services to migrate agencies' workloads away from costly hypervisors into Kubernetes containers and to move these applications to the public cloud.

How NetApp NSW GovCloud fits in with the NSW Government Cloud Policy

Security. Adhering to this policy guidance regarding usage of cloud services ensures that NSW Government agency assets and data are secured.

Consistency. NSW Government agencies receive common direction in the consumption of cloud services, enabling them to make consistent use of the public and private cloud services.

Modernisation. The policy guides NSW Government agencies in consuming cloud services to modernise their ICT and digital service delivery. It enables modernisation through lineage to updated business processes for procurement, security, and consumption of cloud services.

Alignment. By defining and guiding the use of cloud services, this policy ensures alignment of cloud service consumption across the NSW Government in accordance with government's strategic objectives and priorities.

Innovation. The policy enables NSW Government agencies to consume new cloud capabilities such as AI, machine learning, data analytics, and more. By leveraging cloud services, the NSW Government can keep up with services released by the industry, without having to build and maintain each capability.

NetApp Service can be consumed through a number of NSW Government SME Partners.

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