

NetApp AI solutions for government



Enhance security, boost efficiency, and deliver advanced public services.

The challenge

To provide the protection and services citizens demand, governments rely on one of their most strategic assets: data. But wrangling up and analyzing data from a variety of sources in multiple forms is cumbersome and time consuming, making real-time analysis nearly impossible. No matter what the task, governments need an IT infrastructure that provides high performance and easy scalability to enable them to move faster, smarter, and more efficiently.

NetApp AI solutions for government

Governments around the globe are turning to AI to get deeper insight into their mountains of data. From hunting cyberthreats to operating military drones, tracking infectious diseases, and monitoring bacteria in water supplies, AI is at the heart of it all.

- **Security.** AI helps identify and respond to cyberthreats such as ransomware faster than traditional software or manual methods. It is also aids in national security with the ability to instantly verify passports.
- **Defense.** AI combined with computer vision enables military units to keep soldiers safe and equipment always ready with autonomous vehicles and predictive maintenance.
- **Public health.** AI helps manage infectious diseases, enables remote populations to get medical services, and empowers citizens with targeted information to help them take control of their own health.
- **Government services.** AI and natural language processing help government organizations streamline paperwork, monitor infrastructure resources, and improve public safety.

With NetApp® AI solutions, government agencies can get the right data and apps to the right place at the right time to meet their mission objectives. NetApp helps agencies build a consistent, unified data fabric that securely delivers data services across the data center and all major public clouds. Integrated and scalable data protection helps agencies protect against malware, ransomware, and cyberattacks and remain in compliance, while minimizing downtime and maximizing data availability.

Get the speed you need to carry out any mission

AI can be a powerful tool for increasing operational efficiency and keeping costs under control, but to use it successfully, you need a data management solution that can keep up. NetApp ONTAP® AI gives you the performance you need to feed, train, and operate your applications. NetApp AI solutions remove bottlenecks at the edge, core, and cloud to enable more efficient data collection, accelerated AI workloads, and smoother cloud integration. You get the performance, mobility, protection, and scalability you need to carry out any mission.

Key benefits

Get the speed you need to carry out any mission

- Keep your data flowing to feed, train, and operate your applications so that they can provide the real-time information you need to detect cyberthreats, improve public health and safety, enable smart policy making, and streamline bureaucratic processes.

Extract the most value from your data

- Gain deeper insights into your data with a simplified AI solution that enables you to harness and analyze data from multiple disparate sources.

Keep your data protected

- Get Zero Trust data protection, meet compliance requirements, and enable secure access for your distributed, diverse, and dynamic data.

Grow without limits

- Start small and grow seamlessly— from hundreds of terabytes to tens of petabytes— without disrupting ongoing operations.
- Realize cost efficiencies with a resilient architecture that can scale and flex on demand.
- Run an exhaustive array of simulations to test the strength of your models.

NetApp AFF systems keep data flowing to deep learning (DL) processes with all-flash storage that leads in speed and flexibility. You can get up to 300GBps read throughput per all-flash cluster with well under 1ms of latency.

By adding more network switches and storage controller pairs to the ONTAP cluster, the architecture can scale to multiple racks to deliver extremely high throughput, speeding up model training and inferencing. With this flexible approach, you can alter the ratio of compute to storage independently based on the size of the data lake, the models that you use, and the performance metrics you need.

Extract the most value from your data

To fully unlock the potential of AI, you need to capture, prepare, access, move, and protect large volumes of data from multiple sources. You need a way to harness and extract the most value from your data as quickly as possible so that you can make smarter policy decisions and respond instantly to potential security threats. That requires powerful AI capabilities that reach from the edge to the core to the cloud—without adding to the complexities that are inherent in an AI environment.

Only NetApp can help you build a data fabric that satisfies the needs of complex, high-performance data pipelines with solutions that span your entire hybrid multicloud environment. A secure, reliable architecture keeps your data flowing from the edge to your hybrid cloud environment—or to your public cloud environment—for large-volume data tiering and high-performance modeling.

Keep your data protected

By nature, government data is highly sensitive and requires rock-solid protection. The growth in data from AI can make it difficult to keep up with constant security threats and ever-changing compliance requirements. With NetApp solutions, you can provide Zero Trust data protection, meet compliance requirements, and enable secure access for your distributed, diverse, and dynamic AI data.

NetApp enables you to integrate, protect, and secure a data pipeline from edge to core to cloud. Our unified data solution supports multiple data formats. And to get your data where you need it, quickly and securely, [NetApp Cloud Sync](#) can help. This easy-to-use cloud replication and synchronization service automatically transfers your data across your hybrid cloud environment. Even the largest workloads are continuously synchronized, giving you immediate access to your data whenever and wherever you need it.

Grow without limits

With increasing AI adoption, government organizations face another boom in data growth.

With [NetApp solutions for AI](#), you can confidently tap into growing data sources with nearly unlimited, nondisruptive scalability and performance. NetApp offers a powerful unified data solution to feed, train, and operate data-hungry AI, ML, and DL applications. Our AI solutions help you realize cost efficiencies with a resilient architecture that can easily scale and flex as needed.

The NetApp rack-scale architecture allows organizations to start with a NetApp AFF A250 all-flash storage system and grow as needed to scale from hundreds of terabytes to tens of petabytes. And with NetApp ONTAP FlexGroup, up to 20PB of single namespace can handle more than 400 billion files.

Breakthrough AI solutions for government

Are you ready to transform your IT? [NetApp AI solutions](#) help you simplify dataset management, enabling you to enhance security, boost efficiency, and deliver advanced public services.



Learn more

[NetApp AI solutions for government and public sector.](#)

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



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