

Migrate On-Premises Workloads of Any Classification to AWS GovCloud Without Compromise

Gain on-demand scalability and cost optimization while keeping hardened security, data sovereignty and control with Nutanix Government Cloud Clusters.

Military and federal organizations with mission-essential workloads face an increasingly complex operational reality.

Cloud agility and scalability are needed to rapidly adapt to capacity needs and evolving strategic priorities. However, operational security in the cloud requires maintaining the control and compliance posture that on-premises infrastructure has traditionally provided.

Nutanix Government Cloud Clusters (GC2) enables IT leaders to easily extend their on-premises Nutanix workloads to AWS GovCloud without retooling or refactoring.

This proven solution maintains all of the security advantages of on-premises deployments while gaining the cloud operational agility essential for mission success in today's dynamic environment.

GC2 can deploy the complete [Nutanix Cloud Platform](#) (NCP) – including [AOS Storage](#), [AHV hypervisor](#) and [Nutanix Prism](#) management console – directly into your AWS GovCloud account using AWS bare-metal instances. GC2 is deployed manually using AWS console/APIs and Nutanix commands/CLI, so there is no use of the Nutanix Cloud Clusters (NC2) portal.

Unlike commercial cloud solutions, Nutanix GC2 operates entirely within secure AWS GovCloud regions designed for government use to support high-classification workloads. The Nutanix solution ensures your most sensitive workloads remain secure while benefiting from cloud scalability.

What sets Nutanix GC2 apart in federal missions is its comprehensive approach to security and compliance. The software ships pre-STIG'd and is mapped to NIST 800-53 standards. Nutanix is listed on the DISA DoDIN Approved Products List.

Consequently, organizations can confidently deploy workloads that comply with FedRAMP (High), DoD CCSR IL6, ICD 503, and GDPR requirements. Nutanix provides support through dedicated Federal support personnel who are U.S. citizens working on U.S. soil to ensure full compliance with federal requirements throughout the deployment lifecycle.

Key Mission Benefits

- Provision secure hybrid cloud environments in under 24 hours.
- Deploy workloads, including the highest classification levels with full compliance assurance.
- Scale on-demand while maintaining data sovereignty and control.
- Access cloud services for disaster recovery and operational continuity.

The diagram illustrates the Nutanix Private Cloud architecture, showing the connection between on-premises infrastructure and AWS GovCloud.

Top Section:

- Nutanix Central:** The management plane for the Nutanix Private Cloud.
- AWS Console:** The interface for managing AWS resources.

Left Section: Nutanix Private Cloud

- Nutanix on-prem clusters:** Represented by server icons, these are the physical infrastructure components.
- VPN:** A secure connection (indicated by a shield icon) that links the on-prem clusters to the AWS GovCloud environment.

Right Section: AWS GovCloud

- VPC:** A Virtual Private Cloud (indicated by a lock icon) that provides a secure, isolated network environment.
- Nutanix GC2 clusters:** Cloud-managed Nutanix clusters (represented by server icons) that run within the VPC.
- EC2 Bare Metal Instances:** Physical server instances (represented by a server icon) that can be provisioned within the VPC.
- AWS Services:** A collection of AWS services (represented by various icons) that are available within the VPC, including:
 - Amazon EC2 (server icon)
 - Amazon S3 (bucket icon)
 - Amazon ElastiCache (cylinder icon)
 - Amazon IAM (key icon)
 - Amazon CloudWatch (monitor icon)
 - Amazon CloudFormation (lambda icon)
 - Amazon Route 53 (circular arrow icon)
 - Amazon VPC (shield icon)

Bottom Section:

- Nutanix On-Premises:** The physical infrastructure (represented by a server icon) that supports the Nutanix Private Cloud.
- AWS GovCloud Infrastructure:** The underlying AWS infrastructure (represented by the AWS logo) that hosts the Nutanix GC2 clusters and other services.

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