AWS GovCloud helps US government agencies and their contractors run sensitive workloads in the cloud. GovCloud is authorized to deploy workloads for Controlled Unclassified Information exceeding IL4 and for unclassified National Security Systems, so organizations can locate their entire app catalog in the cloud.

From Cloud First to Cloud Only policy adoption, organizations in public sector can fully leverage cloud-based load balancing and networking security solutions from A10 to accelerate and secure their mission-critical applications.

New IT landscapes with traditional pay-per-product (or service) companies are moving toward subscription-based business models. A10 Networks Harmony™ Controller SaaS with A10 Lightning™ ADC allows government organizations to scale on demand and maintain high levels of network and application performance without the huge OpEx and CapEx overheads of cloud migration. These A10 products are conveniently available through in the AWS GovCloud marketplace.

**THE CHALLENGE**

AWS GovCloud is an isolated, dedicated region of the AWS infrastructure built to enable the secure deployment of applications. GovCloud is based on the shared responsibility model, so AWS is responsible for infrastructure concerns while you remain responsible for the security and performance of your applications. GovCloud is suitable for organizations that require agility and reliability.

**SOLVING GOVERNMENT’S APPLICATION DELIVERY CHALLENGES**

**ACHIEVE SUBSCRIPTION ECONOMIES IN APPLICATION DELIVERY IN AWS GOVCLOUD**

**CHALLENGE**

AWS GovCloud is an AWS region built to serve the unique needs of government agencies and their contractors. GovCloud offers the same benefits of a standard region, but also provides built-in support for FedRamp, ITAR, and HIPAA for improved agility, savings and flexibility.

**SOLUTION**

A10 extensively tested and verified the Harmony Controller SaaS subscription model with cloud-native load balancing and centralized management over secure multi-tenancy deployment. The solution is purpose-built and hosted in AWS.

**BENEFITS**

- **Flexible** consumption in PAYG, SaaS, BYOL, and A10 FlexPool licensing
- **Auto-scaling** application workload automation for better capacity management
- **Secured** Layer 7 attack protection with DDoS mitigation
- **Centralized** visibility and analytics across on-premises and AWS

AWS GovCloud (US)
• Accomplish rapid global expansion without incurring the complexity and costs of new data centers
• Securely scale and automate application and service delivery across regions and on-premises
• Engage users with experiences free from prohibitive latency

THE A10 NETWORKS ON AWS GOVCLOUD SOLUTION

A10 extensively tested and verified the Harmony Controller SaaS subscription model with cloud-native load balancing and centralized management over secure multi-tenancy deployment. The solution is purpose-built for AWS and hosted in AWS.

A10 enables enterprise load balancing with automation on these AWS features:
• **Flexible** cloud consumption integration options, including PAYG, SaaS, Bring-Your-Own-License (BYOL), and A10 FlexPool cloud-scale licensing
• **Integrated** AWS application workload automation and auto scaling for better capacity management
• **Empowered** Layer 7 attack protection with deep analytics and DDoS mitigation
• **Centralized** visibility and analytics across Data Center and AWS deployment

A10 delivers centralized application and service analytics, advanced and programmable L4–L7 application availability, access and security services for mission-critical cloud workloads.

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**Federal Presence**

**CUSTOMERS**

**PARTNERS**

**CERTIFICATIONS**

- Certs: 1659, 1963 Listed as IA Tool
- EAL2+ Certified
- IBM Cloud – FEDRAMP Level 5
- DISA ATO
- DISA STIG

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*Figure 1:* A10 Networks public sector presence
Figure 2: A10 Harmony Controller with Lightning ADC deployment concept through automation

HARMONY CONTROLLER SAAS WITH LIGHTNING ADC

A10 Harmony Controller on AWS GovCloud is a secure, low-cost, and reliable foundation for organizations to meet security compliance regulations. Access centralized applications, comprehensive WAF solutions, and service delivery from anywhere with remote access with a centrally-managed, point-and-click solution that deploys secure load balancing in minutes and helps expand to global markets in commercial and GovCloud regions.

SINGLE Pane OF MANAGEMENT FOR Application VISIBILITY AND ANALYTICS

Diagnose container traffic rapidly with the A10 Harmony Controller analytics engine. This strong engine performs per-app and per-transaction analytics of traffic passing through application delivery controllers to access end-to-end container-based application performance and intelligence.

“Public cloud services will account for about half of the $2.15 billion in spending in 2017. By 2021, agency spending on public cloud is projected to increase to $1.9 billion out of the $3.3 billion.”

Shawn McCarthy, Research Director for IDC Government Insights
FEATURES AND BENEFITS

• Directly protects mission-critical applications in AWS by real-time, per-app load balancing and aggregated cloud analytics with security policy enforcement
• Safeguards and meets stringent government compliance mandates with in-depth log analytics and performance monitoring
• Protects L4-L7 application traffic lifecycle in AWS through auto scaling security and service delivery integration
• Provides flexible deployment models, including perpetual, PAYG, and SaaS, along with A10 FlexPool cloud licensing
• Accelerates Open API automation with leading configuration tools and AWS CI-CD templates for fast DevOps integration with tools and services such as CloudFormation, Ansible, and Jenkins
• Award-winning A10 load balancers and Harmony Controller SaaS multi-cloud and multi-region application delivery and service analytics certified in AWS GovCloud

SOLUTION COMPONENTS

A10 Harmony Controller SaaS on AWS includes:

• Availability in commercial and GovCloud regions
• A10 Harmony Controller 4.x
• A10 Lightning ADC load balancing
• AWS CloudFormation, Auto Scaling Group, and CloudWatch web services integration
• A10 Web Application Firewall

SUMMARY

A10 Networks instantly solves integration challenges and time to provision issues with pioneering next-generation application networking technologies delivered through a SaaS subscription. Our solution enables government organizations to accelerate, secure, and optimize the performance of their data center applications and networks.

A10 Networks Advance Core Operating System (ACOS®) is a software-based architecture that provides the flexibility necessary to expand your business and solve the growing number of networking and security challenges associated with cloud computing and mobility. Ensure user-to-application connectivity is available, accelerated, and secure with A10 Networks’ portfolio of application networking products.

NEXT STEPS

For more information, check out A10 in the AWS GovCloud Marketplace and get started today.

ABOUT A10 NETWORKS

A10 Networks (NYSE: ATEN) provides Reliable Security Always™ through a range of high-performance solutions that enable intelligent automation with deep machine learning to ensure business critical applications are protected, reliable and always available. Founded in 2004, A10 Networks is based in San Jose, Calif., and serves customers globally with offices worldwide.

For more information, visit: a10networks.com or tweet @a10Networks

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