

# EMC CLOUD STORAGE SOLUTIONS FOR GOVERNMENT

## Multi-site data management

### THE BIG PICTURE

#### EMC Atmos multi-tenant distributed cloud storage for unstructured content

Storage is a key element and advantage to cloud deployment. EMC has developed a powerful new storage-offering category—cloud-optimized storage. A key component for delivering cloud solutions, EMC® Atmos™ is a multi-petabyte storage solution that combines scalability—massive enough to meet the requirements of any federal agency—with automated data placement to distribute information across the nation and around the globe.

EMC Atmos features include:

- Policy-based information management
- Massive global scalability
- Streamlined delivery with object metadata and policy filters
- All-in-one data services, from replication to versioning
- Automated systems management to reduce administration costs
- Multi-tenancy, serving multiple applications from the same infrastructure
- Browser-based administration tools that enable administration from any browser

### GAIN A NEW TOOL FOR MEETING YOUR AGENCY'S CHALLENGES

One core challenge that virtually all federal agencies share is how to effectively and economically manage very large volumes of information moving among many locations. You need reliable, single-point, rules-based management for vast quantities of content that is constantly being produced, consumed, and stored in multiple locations nationwide, and often worldwide. An increasing number of large private enterprises and multi-nationals are discovering that this can be achieved through cloud computing.

EMC offers the power and reach of groundbreaking cloud computing solutions specifically intended to meet the specialized needs of federal organizations. At the center of all our solutions is the creation of a capability for your enterprise to share massive amounts of stored resources. You benefit from nearly unlimited storage assets residing in multiple sites, all efficiently, affordably, and securely operating as a single entity. For our government users this means easy, universal access from any site to a comprehensive shared pool of configurable resources via a secure on-demand network.

Wherever your user communities and physical assets are located, however widely they are dispersed across the country or around the globe, every authorized user can tap into the full resources of the organization from any Internet-connected device. The self-service character of cloud-based computing allows use to adjust elastically, expanding and contracting in a natural way to match fluctuating workload demands from multiple sites. The result is remarkable gains in efficiency, speed, and cost savings with minimal management effort or interaction with the service provider.

A key component for delivering cloud solutions, EMC Atmos is a complete hardware/software solution that runs on low-cost, high-density hardware and makes vast amounts of information readily available to users regardless of where they are or what device they are using for access. Because Atmos—despite its massive global scale—is operated as a single unified namespace, management and configuration are easy and cost effective. EMC Atmos is available in configurations ranging in initial size from 60 TB to 720 TB and is compatible with the proven capabilities of the EMC storage solutions portfolio. EMC enables the optimized end-to-end information authenticity and integrity, provided by EMC Centera®, which is necessary for archive storage and regulatory compliance.

## EMC CAN BRING ALL YOUR DISPERSED SITES INTO THE CLOUD

It is essential to the nature of all federal agencies, whether civilian, defense, or intelligence entities, to have widely dispersed worksites and users. Yet, all work must adhere to strict business processes and policies, with trusted supply chains, specified accepted applications, and multiple levels of storage requirements, all governed by differing levels of access and security.

This complex, policy-sensitive, widely dispersed data management environment—that has been a costly and confusing obstacle to operational performance in the past—is ideally suited for our EMC cloud solutions. Specifically, we work with government agencies to plan, configure, deploy, manage, and maintain cloud computing solutions that accomplish all the following and more:

- **Location-independent resource pooling** scales the entirety of resources pooled together in the cloud to serve all users regardless of their physical locations.
- **On-demand self-service** enables your users to provision storage resources exactly as they need them from their own workstations, without having to contact or interact with a service administrator.
- **Ubiquitous network access** makes capabilities available to your authorized users via their standard Internet browser.
- **Rapid elasticity** means that all pooled cloud resources can be rapidly provisioned and accessed in a holistic manner without limitations on quantity or time.
- **Measured service** automatically controls and optimizes resource use via metering of key service elements, such as bandwidth, which provides transparency for both provider and user.
- **Ensured security** delivered to the cloud environment by RSA®, not only to authenticate and authorize, but also to track all the way down to the individual data element.

## EMC IS READY TO HELP WITH YOUR CLOUD DECISION

Moving into a whole new realm of computing is a big decision. Our cloud experts will meet with you to discuss all the possibilities and determine the appropriate approach for your agency's current and anticipated needs. Learn how EMC can natively integrate cloud principles into net-new applications and programs constructed to match your specific multi-site needs. We can integrate EMC Atmos storage hardware and software, possibly along with EMC Atmos-powered storage services, into your new cloud baseline, and migrate legacy applications that make sense from a cost and utility standpoint. The result is your new, comprehensive, cloud-based solution to multi-site data management and storage. Your cloud.

### TAKE THE NEXT STEP

For more information on EMC Cloud Solutions for Government, please send an e-mail to [FedCloud@emc.com](mailto:FedCloud@emc.com).

## ABOUT EMC

EMC Corporation is the world's leading developer and provider of information infrastructure technology and solutions that enable organizations of all sizes to transform the way they compete and create value from their information. Find out more about EMC's products and services at [www.EMC.com](http://www.EMC.com).

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