

EMC CLOUD STORAGE SOLUTIONS FOR GOVERNMENT

Analytical & scientific research

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

ADD POWER TO YOUR COMPLEX COLLABORATION MISSIONS

The requirement for large-scale collaborative research and analysis within and among federal agencies poses unique challenges. Not only are the researchers and analysts generally scattered throughout various geographies, so too are the data assets with which they must work. The subject matter is complex and the sources voluminous. When numerous agencies and organizations are involved, some outside the government, data management and information-sharing problems increase. In addition, when analysis is being conducted by the defense and intelligence communities, those concerns take on whole new dimensions.

However complex your collaborative research mission may be, EMC has cloud computing and cloud storage solutions that can meet your most demanding requirements. We can ensure user access to massive volumes of data of all types, regardless of where it lives, with proven security while in use and during storage. We can also consolidate and unify data of varying types into tagged and indexed metadata to significantly improve your research analysts' ability to find and select the most relevant shared data. Providing users with self-service access cuts both time and costs. The result, with virtually no limitations on usage loads or data volumes in the cloud, informational assets can be shared with never-before-possible speed and efficiency.

EMC CLOUD STORAGE SOLUTIONS REMOVE BARRIERS

Most government agencies face common barriers to making the most of the human and data resources available in their research and analysis missions. These obstacles are long-standing and only recently have powerful and affordable solutions emerged through cloud computing. We are already applying petabyte EMC cloud solutions for customers that address all the following problems and more:

- You have invested in high-performance computing assets, but they don't share well—EMC can help you get rid of those silos that create obstacles to collaboration and information distribution.
- Your data collections contain so many formats that researchers are hindered in their work—EMC can consolidate and unify all data types for easy searching.
- Your data is entered at many different locations and stored at many others—EMC can give authorized knowledge workers immediate access to all data regardless of where it resides or which data center takes in new information.

- Your analysts and research personnel are scattered throughout your agency and other organizations—EMC bring them all into the cloud, with Location Independent Resource Pooling and on-demand, self-service access from any standard Internet browser.
- Your researchers need “actionable” information, not just data—EMC can activate data by adding metadata tags, content indexing, and more tools to speed and target searches.
- Your mission demands the utmost security in data sharing—EMC ensures security in the cloud environment through RSA®, to authenticate, authorize, and track usage all the way down to the individual data element.
- Your data assets are huge, requiring exceptional storage capabilities—EMC makes cloud-distributed sharing of massive data resources scalable, efficient, and affordable through EMC Atmos, our proven cloud-computing storage solution.

EMC IS READY TO HELP WITH YOUR CLOUD DECISION

Moving into a whole new realm of computing is a big decision. Our EMC 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 analytical and scientific research needs. We can integrate Atmos storage HW/SW, 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 intra-agency and inter-agency data sharing and storage. Your cloud.

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. Information about EMC’s products and services can be found at www.EMC.com.

TAKE THE NEXT STEP

For more information on EMC Cloud Solutions for Government, go to FedCloud@emc.com

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