SOLUTION BRIEF

Power Innovation for Government Healthcare

Enable better care and outcomes across government healthcare organizations.

Government healthcare and life-sciences organizations are responsible for a diverse portfolio of critical work. They need rapid, secure, and scalable access to the data fueling this essential work. This includes data from genomics research, enterprise imaging, electronic health records, and other clinical data.

Research institutions like the National Institutes of Health and the Centers for Disease Control and Prevention—along with organizations that provide care like the Defense Health Agency and the Veterans Health Administration—rely on the power of data to drive innovation, advance personalized medicine, and achieve better patient outcomes. To continue this critical work, these organizations require modern solutions that optimize data without the cost and complexity of managing the infrastructure behind it.

Data Fuels Discovery and Population Health

The global scientific community relies on massive data volumes that lead to breakthroughs in fields like vaccines, infectious disease, and therapeutics. To further accelerate progress, government healthcare organizations need to fully leverage their data using advanced analytics and artificial intelligence (AI). But leveraging these technologies at scale requires a modern data infrastructure that re-imagines the role of data and how organizations use it.

Two key challenges exist. First, there is a massive volume of data that needs processing. Second, there must be timely access to that data. The speed at which data is processed and accessed impacts time-to-science in research organizations. Delays can be the difference between life and death in care delivery settings.

Innovation Leadership

- Create common data access.
- Install once and upgrade when ready.
- Get fully managed data protection, AI/ML, and containers.

Cloud Ready

- Mobilize data to the cloud.
- Transform your cost center: Buy or pay as you go.
- Create an agile, cloud-native environment.

Customer Experience

- Experience seamless installation.
- Manage and scale easily.
- Experience on-prem IT that works like the cloud.

High Availability and Rapid Access to Data Fuel Better Imaging

Organizations are increasingly using AI in imaging to drive research, aid discovery, and assist with diagnoses. For government health organizations, AI and machine learning can automate image analysis, improve the efficiency and accuracy of imaging study reads, and provide insights into data for population health management.

Critical Need for Modern Backup and Restore to Ensure Continuity of Care

Ransomware and cyberattacks are becoming more frequent and destructive across the healthcare industry. Successful attacks can result in EHR outages, delays in research and care delivery, and the exposure of sensitive patient information. Government healthcare organizations need modern data protection that focuses not only on backing up essential data but on restoring data following an event. Organizations often use legacy systems to back up healthcare data; data-restore capabilities typically receive less consideration. Restoring from improperly configured backups can result in more downtime and increased data loss—or they may fail completely.

Pure FlashBlade® Rapid Restore dramatically increases data restoration speeds without the need to change backup software. Additionally, Pure SafeMode™ snapshots provide resiliency with immutable backups, making it impossible for an attacker or rogue insider to delete backups, even if administrator credentials have been compromised. SafeMode also provides protection against cyberattacks that target data backups.

Pure Solutions for Government Healthcare

Pure FlashBlade Delivers Innovations for High-level Functionality: The latest version of FlashBlade with Purity 3.2 delivers unprecedented performance in a small form factor. FlashBlade's performance enables it to handle multiple workloads, so enterprise imaging solutions, EHRs, and other core systems can share storage. With flexibility built into the architecture, organizations can store data in multiple formats to address how users consume data. FlashBlade includes support for fast native SMB and its Unified Fast File and Object (UFFO) storage delivers a single file-and-object storage platform to drive digital transformation.

Pure FlashArray™ Accelerates Innovation: The all-flash solutions from Pure Storage® uniquely support the initiatives driving today's healthcare and life-sciences organizations. Requirements to rapidly return results, feed AI, support analytics, and embrace cloud strategies are forming the next generation of care delivery. FlashArray//C with Purity 6.1 is enterprise-ready, provides 99.9999% availability, and delivers non-disruptive upgrades—perfect for healthcare, where there is no tolerance for inconsistent performance or unplanned disruptions.

FlashStack® Simplifies Healthcare Infrastructure: With FlashStack, a Cisco® and Pure Storage solution, healthcare organizations benefit from a fast, scalable data infrastructure that's highly secure and resilient. FlashStack is a converged-infrastructure solution that combines compute, network, and storage into one integrated solution. IT teams can run FlashStack with fewer resources while benefitting from advanced automation. The compact infrastructure is efficient and cost-effective to maintain while connecting customers to 24x7 monitoring from Pure Storage.

Pure Evergreen Provides a Subscription to Innovation: With Pure's Evergreen™ Storage, healthcare organizations can easily scale storage as their numbers of users increase. The Evergreen Storage subscription model offers seamless, rapid upgrades and expansion without disruption.

Storage Where You Need It, How You Need It

Pure is positioned highest for Ability to Execute and furthest for Completeness of Vision in the 2020 Gartner Magic Quadrant for Primary Storage Arrays, affirming the value of cloud-era flash technology to the public sector.

Government healthcare organizations need storage solutions that can manage and process the massive amount of data required for faster time to science and better patient care. A Modern Data Experience™ delivers—enabling government healthcare organizations to optimize data without the cost and complexity of managing the infrastructure behind it.

Additional Resources

- Learn more about Pure's data management solutions for healthcare organizations.

- See how Pure delivers effective, efficient, and mission-ready data management solutions for data-driven governments.

- Find out more about protecting data from ransomware attacks.

- Speed time to benefit and accelerate your Modern Data Experience journey with help from Pure Professional Services.

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