

E-BOOK

Hitachi Vantara Federal

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# **Solve the Seven Biggest Government Data Storage Challenges.**

# Introduction.

Data storage faces several significant challenges due to the rapid growth of data volumes, diverse data types, and the need for efficient management. Addressing these challenges requires a combination of technological solutions, effective data management strategies, compliance measures, and a proactive approach to staying up to date with evolving storage technologies and best practices. How is your agency keeping up?

**It may be time to rethink how you manage data storage.**



## Challenge 1

# We need to focus on mission outcomes, not mundane tasks.

There are only so many hours in a workday. If you're not careful, your team will spend more and more of those hours maintaining enterprise storage systems, with less time for strategic projects or supporting change. You either need to keep hiring, or help your team find new efficiencies.

### **Make Automation Work for You.**

Automation and analytics tools with integrated artificial intelligence (AI) and machine learning (ML) help manage ever-growing storage with fewer personnel, resources, and human interaction.

### **Reduce Manual Admin Tasks by 70%.**

Hitachi Ops Center uses AI-enabled IT analysis and automation to improve operational efficiency and speed of new resource delivery.



**The Hitachi Vantara Federal**  
**Advantage**

- Reduce manual administrative tasks by up to 70% to give your team a break.
- Automate storage provisioning workflows to simplify and error-proof your infrastructure resource management.
- Optimize performance and improve the speed of delivery with insights from machine-learning resources analysis.
- Gain IT operational insights to help optimize end-to-end resource performance and improve utilization.



## Challenge 2

# More data means more storage, but we aren't getting more resources.

Letting increasing storage demands slow your operations down isn't an option. You also can't afford the time and cost of setting up new enterprise storage infrastructure. So, you're pushed to do more and more with less.

### **Premium Storage, Without the Premium Price Tag.**

World-class storage infrastructure (speed, capacity, low latency, high availability) is now accessible for all agencies. New storage virtualization capabilities even allow you to get additional value from older infrastructure without having to completely rip and replace.

### **100% Data Availability. Guaranteed.**

The Hitachi Virtual Storage Platform (VSP) family delivers the performance your growing mission-critical applications need, consolidating datasets to more efficiently manage and increase the utilization of your storage footprint.

## The Hitachi Vantara Federal Advantage

- Eliminate bottlenecks for data-hungry applications with NVMe.
- Maintain the pace of digital transformation with a 100% data availability GUARANTEED and 24/7 responsive infrastructure.
- Ensure low latency service levels are met and rapidly troubleshoot problems with telemetry metrics analysis across the full data path, from virtual machine to shared storage resources.
- Suffer fewer headaches with predictable and repeatable experiences for all your applications.
- Align infrastructure to your unique needs with the Hitachi Vantara portfolio of hybrid-flash, all-flash and NVMe arrays.

### Challenge 3

# We need to keep pace with new demands to support our agency's digital transformation initiatives.

Once routine tasks are under control, you need to keep them under control. But can your infrastructure keep up with accelerating demands and still support new digital transformation initiatives?

#### **Future-Proof Your Storage Decisions.**

Future-proof your storage decisions with scalable, reliable infrastructure. Agility forms a foundation for confident business innovation.

#### **Best-In-Class. Across Every Class.**

Hitachi Virtual Storage Platform portfolio of hybrid, all-flash and NVMe storage gives you economical access to the latest technology to increase agility and drive innovation. In addition, Hitachi Ops Center provides AI-enabled operations to improve IT operational efficiencies, optimize performance and ensure your data is protected.



## The Hitachi Vantara Federal **Advantage**

- Get best in class performance with latency as low as 33 $\mu$ s and 21M IOPs for supercharged application response times.
- Intermix NVMe storage class memory with SAS flash and HDDs, with support for NVMe over Fabrics (NVME-oF).
- Simplify storage management tasks with unified system administration.
- Advanced AIOps accelerate speed of execution and innovation by letting your staff concentrate on areas that add value to the organization.



## *Challenge 4*

# We need flexibility to support unpredictable storage demands.

Data demands on your organization aren't completely predictable, but your organization relies on consistent service. Your infrastructure needs a way to flex with demand.

### **Align Spending with Outcomes.**

Shift the way you consume IT solutions and services. Align technology spending with usage and outcomes to reduce the risk of over- or under-investing in the IT solutions that run your enterprise.

### **Only Pay for What You Need.**

With EverFlex, you'll only pay for what you need when you need it. Get flexible consumption options for your complete solution — including storage and remote monitoring, a fully managed service, or storage as a Service.

## The Hitachi Vantara Federal **Advantage**

- Scale storage capacity up or down with demand using EverFlex Consumption for utility or 'as a Service' offerings from Hitachi Vantara Federal and our partners.
- Utility offerings allow you to tailor secure and compliant managed services to match your requirements – one size does not fit all.
- Guarantee IT service availability with SLAs backed by Hitachi Vantara Federal.
- Access pay-per-use consumption choices with predictable, transparent pricing and guaranteed savings through EverFlex.

## Challenge 5

# We need our data secure and protected at all times.

Data breaches are costly and damaging to an organization's reputation. Ensuring data security is not just a matter of compliance but also directly affects financial stability. A breach can result in legal fines, loss of trust, and a long-term financial impact.

### Protect Your Reputation And Your Data.

Predictable performance, encryption of stored data and guaranteed availability helps protect your uptime, data and reputation.

### Safe And Secure at Any Scale.

The Hitachi Virtual Storage Platform family safeguards continuous operations for key applications and provides nonstop, uninterrupted data access and zero RTO and RPO goals.



## The Hitachi Vantara Federal Advantage

- Reduce risks with new infrastructure resource deployment with automated provisioning tasks.
- Eliminate risk of theft and data leaks with FIPS 140-2 encryption and industry-leading data erasure.
- Prevent illegal access and destruction of data with hardened system access.
- Simplify ongoing security compliance with KMIP agility.
- Our pioneering 100% data availability guarantee is available across the entire Hitachi VSP portfolio.



## Challenge 6

# We need to help decision makers unlock value from data we are storing.

Computers may be faster, and storage has gotten larger, but the key to making data driven decisions is about the ability to provide the easiest access to these resources to the people closest to delivering on the agency's mission— not necessarily to the people who understand best understand technology or the infrastructure to store and secure data.

Hitachi Vantara Federal has architected a holistic vision for modernizing the digital core that enables companies to process data and workloads anywhere across their enterprise for availability and access to data and insights.

### 7x Impactful Results.

Faster root cause analysis with better visualization and lineage.

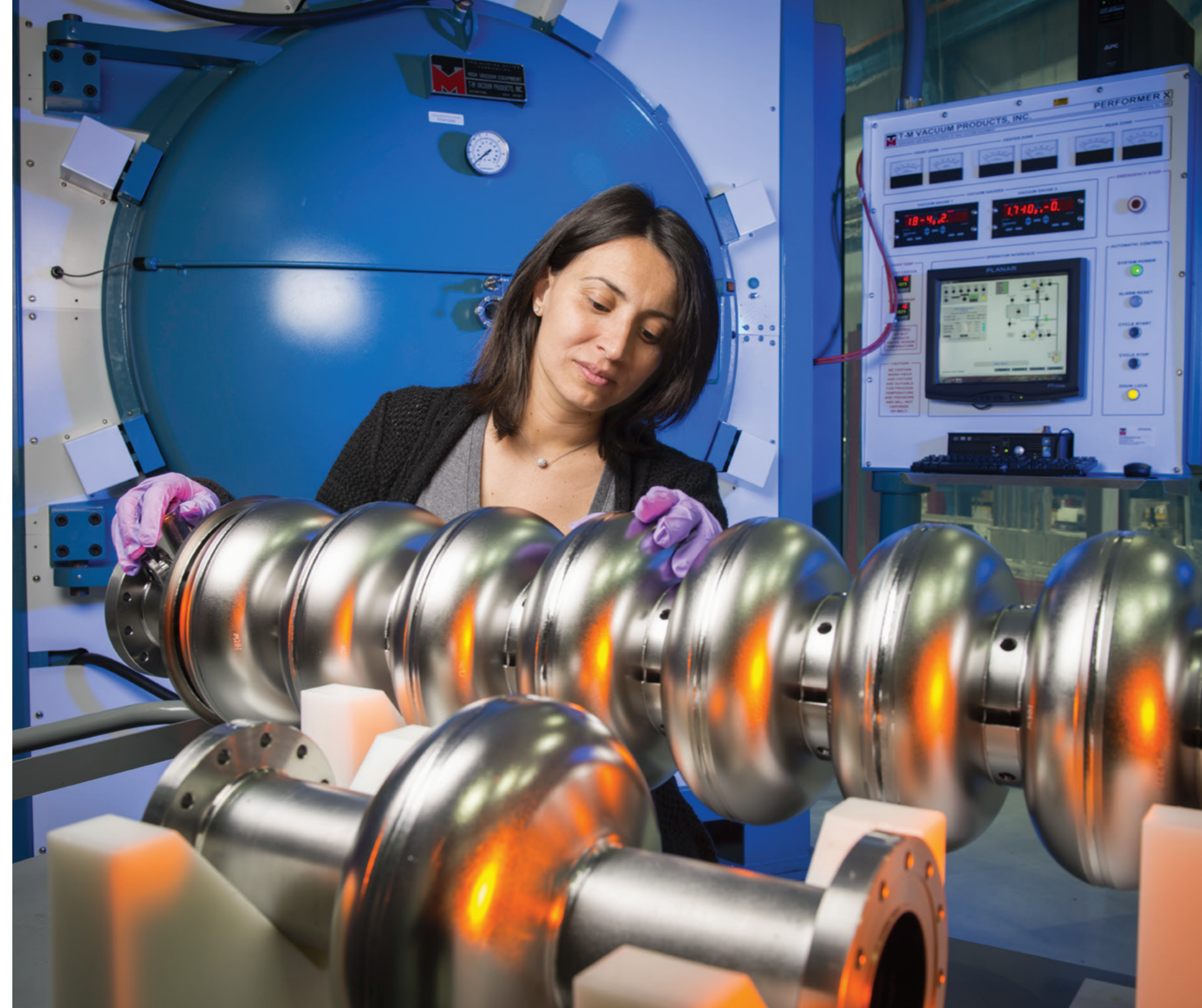
## The Hitachi Vantara Federal Advantage

- Pentaho software for Data Modernization and Analytics helps you design and optimize a hybrid cloud data fabric that enables you to get maximum value from your data assets while ensuring proper governance.
- Automate data integration, data cataloging, governance, and ML / analytics deployment – with your systems, clouds, and IoT devices.
- Data Integration & Analytics to embed powerful integration and analytics into everyday workflows. Streamline data management from onboarding to analytics.
- Data Cataloging for enabling analytic innovation with trusted data through profiling, discovery, privacy and search.

## Challenge 7

# We need to unlock efficiency and maximize our data storage potential.

Managing vast amounts of data efficiently is critical and underscores the phenomenal growth in data creation and storage. But inefficient data storage practices can hinder performance, scalability, cost-effectiveness, and the environmental sustainability of IT. To unleash the true potential of your data storage, you need to maximize your data storage efficiency.

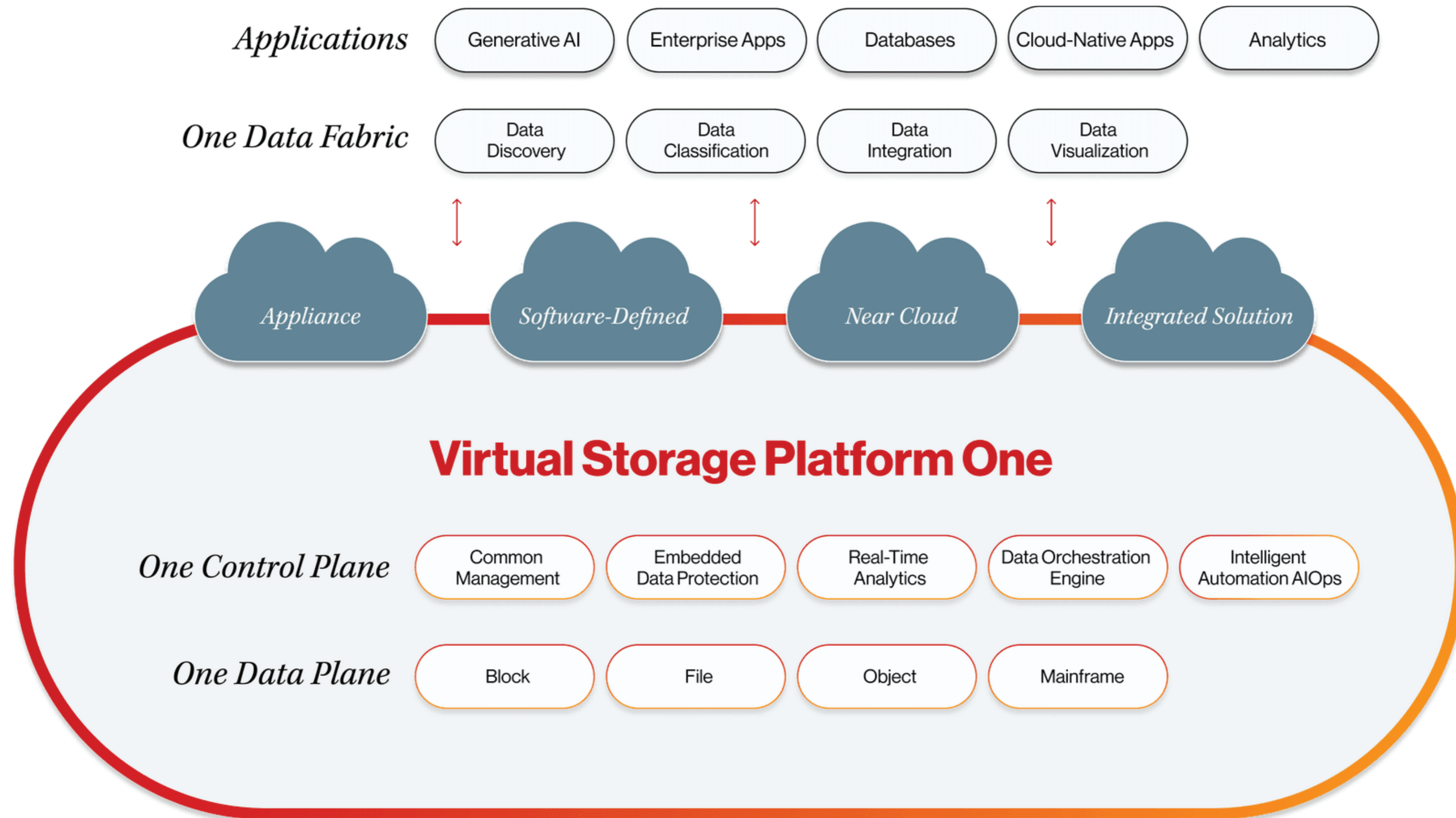


## The Hitachi Vantara Federal Advantage

- Centrally manage all your storage operations with Hitachi's Virtual Storage platform, offering a single console, to streamline administration, simplify backup and recovery processes, and allocate resources with ease.
- We are the only data platform in the industry with a single, unified management suite spanning our entire portfolio that accelerates automation, analytics and data protection.
- Upgrade to the industry's only storage system independently certified for carbon footprint impact. With Hitachi Vantara, not only can you meet your data availability requirements but also your sustainability goals.

Our Solutions

# Virtual Storage Platform



*Commons across all systems previously mentioned*

# Hitachi Ops Center Suite

Integrated AI-Driven Enterprise Management.



## Cloud-based AIOps

Ops Center Clear Sight Powered by Hitachi Remote Ops. Cloud-based storage monitoring across VSP's.



## Modern Data Protection

Ops Center Protector.  
Enterprise Copy Data Management.



## On Premises AIOps

Ops Center Analyzer & Automator.  
Real-Time, Telemetry Monitoring with Automated Remediation



## Flexible Storage Management

VSP Embedded Management and Op Center Administrator. Rapid array setup; move to Hitachi Ops Center for Advanced Management Capabilities.



## Self-Driving Infrastructure

VSP E Series, VSP 5000, SVOS RF

# Conclusion.

The evolving data landscape and the demands of modern applications are driving the need for innovative, scalable, and versatile data storage solutions that can accommodate the diverse and expanding data needs of agency missions.

We offer agencies the fastest and most robust data platform that delivers the trusted cyber resiliency, agility, and cloud-like consumption to tackle the government's biggest data challenges. No matter what type of data, application, or mission, you can trust Hitachi Vantara Federal comprehensive storage solutions.

[Learn More About  
Our Storage Solutions](#)



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