

Modernize Your Backup and Recovery

Introduction

In today's ever-evolving IT landscape, public sector and DoD agencies require robust, secure, and scalable data protection solutions. Traditional backup and recovery methods often struggle to keep pace with the demands of modern infrastructure, particularly in hybrid and multi-cloud environments. At Swish, we understand these challenges.

This solution brief explores the benefits of implementing a modern Enterprise Backup and Recovery (EBR) solution, specifically tailored for the needs of public sector and DoD organizations. It includes key capabilities such as lifecycle management, cloud integration, deduplication, compaction, and archiving, as well as how to ensure an efficient, secure, and cost-effective data protection strategy.

Challenges of Legacy Backup and Recovery

Legacy EBR systems often suffer from several limitations:

- **Limited Scalability:** Traditional methods struggle with exponential growth of data, leading to complex management and increased costs.
- **Vendor Lock-In:** Proprietary systems restrict your choices for storage and infrastructure, hindering flexibility and innovation.
- **Inefficient Storage Utilization:** Redundant and outdated data wastes valuable storage resources, impacting backup speed and cost.
- **Slow Recovery Times:** Recovering lost data can be a time-consuming process, leading to significant downtime and disruption.
- **Security Vulnerabilities:** Legacy systems may lack the robust security features needed to protect sensitive government data.
- **Lack Cloud Capabilities:** Legacy backup systems lack cloud backup targets, multi-cloud backup/restore, SaaS backup/restore, and integrated low-cost cloud archive.

A Solution that Meets Public Sector and DoD Requirements

A modern EBR solution addresses these challenges by providing a comprehensive data protection platform built for today's complex multi-cloud and SaaS-centric environments:

- **Cloud Scale:** Leverage the scalability and elasticity of a cloud architecture for cost-effective backup storage and disaster recovery capabilities.
- **Deduplication and Compaction:** Eliminate redundant data across backups, significantly reducing storage requirements and improving backup efficiency.
- **Automated Workflows:** Streamline backup processes with automation, minimizing manual intervention and human error.
- **Granular Recovery:** Minimize downtime by restoring individual files, applications, or entire systems quickly and efficiently.
- **Enhanced Security:** Implement robust encryption, access controls, and tamper-proof backups to safeguard sensitive government data from ransomware and other attacks.



Your Partner In Modernization

Swish offers a deep understanding of the unique challenges faced by public sector and DoD agencies. With our expertise in modern data protection solutions and vendor-agnostic approach, we can help you design and implement a customized EBR strategy that meets your specific requirements.

Work with your Swish Account Executive and Center of Excellence Architects to

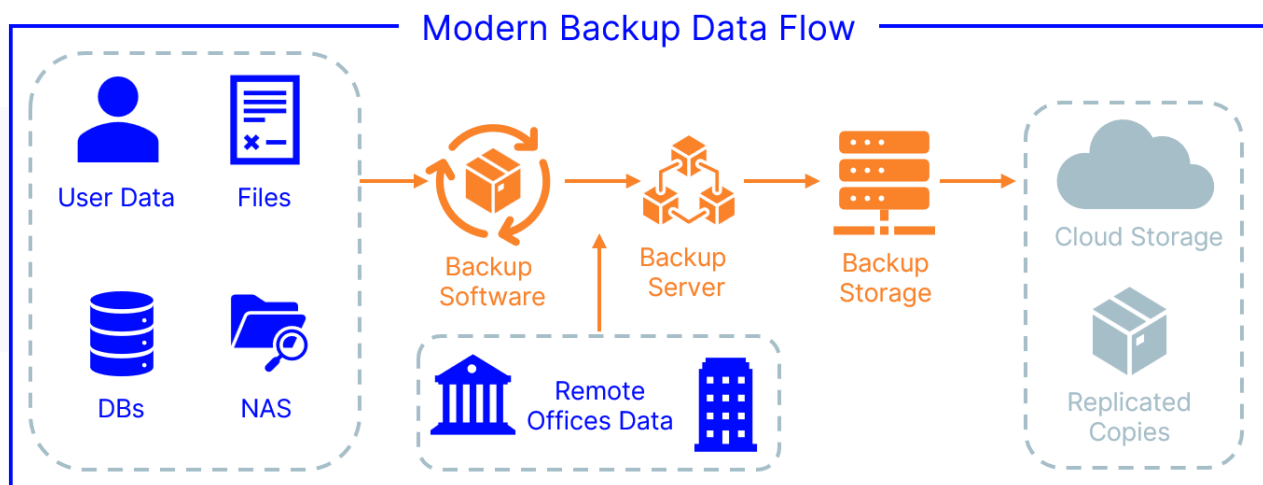
- Assess the current backup and recovery environment.
- Identify data protection needs and priorities.
- Plan and design a comprehensive and customized EBR solution roadmap a comprehensive EBR solution roadmap.
- Implement and fully adopt your EBR solution with assistance from certified subject matter experts
- Manage and operate your EBR with ongoing support and assistance

“The ability to deter aggression, to fight and win wars, increasingly rests on the ability to defend information systems.

**General James Mattis,
Former US Secretary of
Defense**

Preparing for the Data Deluge: A Growing Challenge

- **Data Explosion:** Ever-growing data volume, velocity, and variety add a significant load on backup and recovery systems. Modern systems must be horizontally scalable, high-performance, and resilient.
- **Scalability:** Whether on-premise or in the cloud, a scale-out architecture is important for future data growth.
- **Storage Efficiency:** With growing data demands, organizations must consider how to optimize storage efficiencies, costs, and life cycle management.



Benefits

A modern EBR empowers public sector and DoD agencies with:

- **Improved Business Continuity:** Faster recoveries minimize downtime, keeping critical government services operational.
- **Reduced Costs:** Optimize storage utilization and automate processes to lower overall data protection expenses.
- **Enhanced Scalability:** Scale your backup infrastructure seamlessly to accommodate data growth without compromising performance.
- **Increased Security:** Robust security features safeguard data against cyberattacks and accidental deletion.
- **Simplified Management:** Manage backups across diverse environments from a single platform for better control and visibility.



A Defense Agency Reduces Backup Time by Over 65%

Swish worked with a defense agency that was already processing petabytes of data and the data was growing with backups regularly exceeding the scheduled backup window. They needed to increase backup speed and volume but the solution had to have synergy with various backup software platforms due to different backup solutions already in play. Lastly, they needed to reduce the growing number of man-hours spent on backup and recovery to reallocate time for mission priorities that would result in improved staff productivity and cost savings.

Swish implemented a solution that integrated seamlessly with their existing backup strategies and reduced their backup times by over 65%. The agency also experienced significantly increased restore speeds and with intelligence built into the storage, they knew immediately if a job failed. When capacity became a concern, they were able to scale, easily increasing compute, throughput, and capacity with the ability to write multiple streams to multiple storage devices simultaneously. They were also able to spend less man-hours on backup and recovery which decreased costs and improved efficiency.

Investing in a modern EBR solution is an investment in the future of your agency's data security, resiliency and mission attainment.

Swish Success Services

Swish brings decades of experience in the data protection landscape, helping numerous public sector and DoD agencies navigate the complexities of backup and recovery. We are vendor-agnostic, which means we prioritize finding the best solution for your unique needs, versus pushing specific products.

Our team of certified professionals objectively assess your environment, requirements, and long-term operational needs. We utilize a continuous improvement approach with Plan, Implement, Manage, and Optimize phases which focus on providing rapid value and long-term success. Swish values our client relationships and are here to provide support over the lifecycle of the solution. We are here to develop a customized EBR strategy that effectively safeguards your critical data while optimizing costs and maximizing efficiency.

Plan	Implement	Manage	Optimize
Assess	Installation	Remote Hands	Health Checks
Design	Integration	Professional Services	Performance Optimization
	Adoption	Upgrade Assistance	New Feature Adoption

The Swish Difference

Swish's knowledge of backup and storage solutions allows us to deliver real-time insights, optimize operational efficiency, and guarantee exceptional performance and user experience within your environment. Additionally, our solutions adhere to strict federal IT system controls, providing peace of mind by meeting the most stringent security and compliance requirements. Contact Swish today at info@swishdata.com to learn more about how we can elevate your backup and recovery to new heights, while ensuring the utmost security and compliance.

Procurement Pathways

Swish has served the federal government since 2006, successfully managing complex GWACs and IDIQs. We have a deep understanding of the acquisition management process and bidding compliant best-value proposals. Swish solutions are available from our GSA contract ([GS-35F-0563X](#)), SEWP V contract ([NNG15SC91B](#)), and CIO-CS contract ([HHSN316201500049W](#)). Swish also has extensive subcontractor relationships for procurement via other contract vehicles. Additionally, Swish is an AWS Partner and can quote directly via the AWS Marketplace for ISV solutions and professional solutions.

Compliance and Certifications

Swish strictly adheres to a security-first mindset and carefully vets and selects solutions which meet our stringent Fed-ready and secure supply chain requirements.



FedRAMP



ADA VPAT 2.0 for
Section 508 Compliance



Multiple DoD/IC ATOs



FIPS 140-2

Partners

COMMAVAULT 

veeam

 NetApp®

EXAGRID
Tiered Backup Storage

 Red Hat

aws

Swish is a provider of technology solutions and engineering services to the U.S. Federal Government with a focus on high-quality outcomes for customers. Since 2006, Swish has delivered high-performance solutions and services to the Federal Government market ensuring that customer's digital service capabilities, performance, and security exceed expectations and requirements. Swish is a Service-Disabled, Veteran-Owned and HUBZone certified Small Business.