

IT Resilience for Government

Protection, Mobility, and Continuity for Federal Agencies

Zerto



Government agencies are responsible for tasks that touch just about every aspect of the lives of American citizens, from managing social services to maintaining roads to providing national defense at home and abroad. Currently, agencies across the federal spectrum are under pressure to modernize their systems to meet customer experience and mission objectives. They must deploy new services quickly with a secure, pragmatic, cloud-first approach to leverage the scalability, flexibility, and cost-effectiveness of cloud infrastructures.

Modernization poses challenges for any organization—especially federal agencies, which must comply with strict standards for managing vital operations and handling highly sensitive and protected data. There are three key commonalities among Civilian, Defense, and Intelligence Communities that make IT resilience a must:



Continuous operation is critical for agencies to provide the experience users expect while striving towards mission objectives. Legacy technologies and infrastructures can make data protection and recovery cumbersome and time consuming. Data protection methods are often ineffective, resulting in unplanned downtime and data loss.



Cloud adoption by federal agencies must occur securely, without compromising data privacy or availability, while complying with federal frameworks such as Federal Risk and Authorization Management Program (FedRAMP) and Contingency Planning Guide for Federal Information Systems (NIST 800-34). FedRAMP requires a standardized approach to security operations and monitoring while NIST 800-34 ensures organizations remain in operation regardless of threats and disruptions.



IT modernization is top of mind for agencies as they implement applications and services that allow users to access the information they need, where they need it. To support these initiatives, agencies need to be able to quickly move to new infrastructures whether on premises or in the cloud.

Zerto is the trusted IT resilience solution for these federal agencies:



Removing Complexities

Protecting massive volumes of confidential data is complex. Partnering with Zerto can remove these complexities. Zerto's industry-leading IT Resilience Platform™ delivers the protection and mobility that federal agencies need to manage their environments and deliver mission-critical results.

The platform converges disaster recovery, backup, and cloud mobility in a simple, scalable solution managed from a single dashboard. It delivers continuous availability, end-to-end orchestration, and out-of-the-box automation to accelerate multi-cloud adoption, move workloads between clouds, and encrypt communication to keep data secure. The Zerto IT Resilience Platform supports AWS and Microsoft Azure government and public infrastructure clouds, and complies with relevant certifications and accreditations.

GOVERNMENT CLOUD SUPPORT



FEDERAL SECURITY REGULATION COMPLIANCE

FedRAMP (Low-High) | FedRAMP+ | FIMSA (Low-High)

DFARS 800-171 | NIST 800-53 | HIPAA | PCI

Achieving Resilience with Zerto

IT resilience, as defined by the International Data Corporation (IDC), delivers three main functions:

1. Protect data during planned and unplanned disruptions
2. React effectively to unplanned interruptions
3. Accelerate data-oriented IT initiatives to support modernization and digital transformation

Zerto's IT Resilience Platform delivers:

Continuous Availability



Journal File-Level Recovery (JFLR) provides always-on availability by quickly recovering files and folders, databases, VMs, and entire sites following data loss events (ie. ransomware attack or an accidental data deletion). Journaling creates checkpoints every 5 to 15 seconds, allowing recovery just seconds before the loss.

Workload Mobility



Move applications between clouds and premise-based platforms in heterogeneous environments. Automate recovery to and from Microsoft Azure, giving the flexibility to move applications back on premises from a cloud environment if it falls short of expectations.

Multi-Cloud Agility



Multi-cloud environments, if not managed properly, create complexity. With Zerto, agencies can test critical applications on the cloud platforms of their choice without disrupting operations, and move applications seamlessly and securely between environments.

Platform Features

Federal agencies using the Zerto IT Resilience Platform benefit from the following features:



Secure protection and recovery of data – Recover from any disruption quickly and easily with complete orchestration and automation. Zerto’s journaling technology delivers the industry’s lowest recovery time objectives (RTOs) and recovery point objectives (RPOs) while complying with the processes and controls of the National Institute of Standards and Technology (NIST) Cybersecurity Framework. Security features include:

- Data encryption
- Tokens to ensure secure public cloud pairing

Recovery from ransomware – Recover with minimal data loss and downtime from one of the most common and potentially harmful types of cyber-attacks: ransomware. With Zerto, an agency can rewind to a few seconds before the attack to execute a restore.

Compliance reporting – Meet government compliance and pass audits with easy, automated disaster recovery (DR) testing and reporting. Tests can be performed at any time with no impact to production.

Modernization with cloud adoption – Accelerate adoption of a Cloud Smart strategy to improve citizen services cost-effectively. With Zerto, agencies can manage the protection and mobility of applications and critical data across public, private, and hybrid clouds.

One Platform – Zerto’s functionality extends to a complete platform for virtual environments, whether your data is on-premises or in the cloud. Zerto’s IT Resilience Platform combines disaster recovery, long-term retention, testing, and migration capabilities saving agencies operational overhead and reducing TCO.

Multiple federal agencies, including the Federal Aviation Administration, the U.S. Army, NASA, and the Federal Deposit Insurance Corporation (FDIC), use the Zerto IT Resilience Platform to modernize their operations. Whether it’s application migration, multi-tenancy architecture, or hypervisor continuity and replication, Zerto helps agencies achieve efficiencies, control costs, and improve agility so they can function better in data-driven environments.

To learn how Zerto delivers capabilities to federal agencies such as DR, modernization, consolidation, and data migration across multiple and hybrid cloud environments, download the [eBook, The Case for Federal IT Resilience](#).

About Zerto

Zerto helps customers accelerate IT transformation by eliminating the risk and complexity of modernization and cloud adoption. By replacing multiple legacy solutions with a single IT Resilience Platform, Zerto is changing the way disaster recovery, data protection and cloud are managed. With enterprise scale, Zerto’s software platform delivers continuous availability for an always-on customer experience while simplifying workload mobility to protect, recover and move applications freely across hybrid and multi-clouds. www.zerto.com

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