semperis

Software Productivity Strategists, Inc.

ACTIVE DIRECTORY FOREST RECOVERY

Cyber-First Disaster Recovery for Active Directory

Active Directory is the #1 attack target—the common element in 90% of today's cyberattacks. A ransomware or wiper attack can bring business operations to a standstill. ADFR—the only backup and recovery solution purpose-built for recovering AD from cyber disasters—fully automates the AD forest recovery process, reducing downtime, eliminating risk of malware reinfection, and enabling post-breach forensics.

CYBER-FIRST DISASTER RECOVERY
Recover AD even if domain controllers are infected or wiped

ANYWHERE RECOVERY
Restore AD to alternate hardware (virtual or physical)

CLEAN RESTORE
Eliminate reinfection of malware from sytem state backups

ADVANCED AUTOMATION
Automate the entire recovery process and reduce downtime
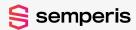
Confronting the unthinkable

AD is down: Employees sit idle, operations grind to a halt, customers are stranded. The threat is real:

- Ransomware or a wiper attack takes out your domain controllers (DCs)
- A hacker gains access, and the extent of the damage is unknown
- A rogue administrator takes down the directory service
- A schema extension, forest-level upgrade, or other irreversible change renders the directory inoperable

Whatever the cause, you need to restore AD now. On the same or different servers. And without any remnant of the malware or bad actor that wreaked havoc on your network.

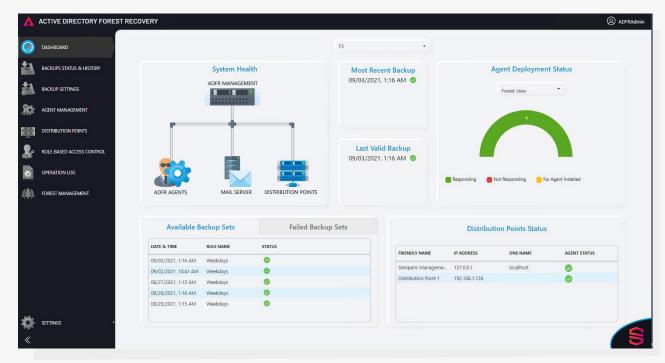## Recover (Don't Just Resume) Business Operations Post-Attack

After a cyberattack, businesses often scramble to resume operations. But without a complete, fully tested Active Directory recovery process, your systems could still be vulnerable to the same types of attacks that brought the organization to a standstill in the first place. Semperis ADFR ensures a full, fast, malware-free AD recovery.

Semperis

Shorten recovery time of the entire Active Directory forest by 90%

Purpose-built to address the unthinkable—a scorched-earth cyber disaster—ADFR seamlessly recovers AD forests to a malware-free environment:

- Recover an AD forest in 5 clicks
- Reduce AD recovery time by 90 percent
- Recover to any virtual or physical hardware
- Quickly set up a recovery environment with the OS provisioning tool

Active Directory Forest Recovery dashboard gives a clear view of AD forest backup status

Why Semperis?

Unlike traditional system-state or bare-metal recovery approaches, Semperis' patented, AD-specific backup and recovery solution fully automates the AD forest recovery process—reducing downtime by up to 90 percent, eliminating risk of malware reinfection, and enabling post-breach forensics to prevent repeat attacks.

Organizations need AD-specific recovery solutions

"Tools from vendors such as ... Semperis ... offer a more complete backup and recovery platform for Active Directory than those found in the Active Directory backup modules included in most enterprise backup software."

- Gartner

ANYWHERE RECOVERY

Gives you the flexibility to restore AD to any hardware, virtual or physical—on premises or in the cloud.

CLEAN RESTORE

Starts with a clean Windows operating system and restores only what's needed for the server role (e.g., DC, DNS server) to prevent reintroduction of rootkits and other malware.

ADVANCED AUTOMATION

Automates the entire recovery process, including restoring DCs, rebuilding the Global Catalog, cleaning up metadata and the DNS namespace, restructuring the site topology, re-promoting DCs, and more.

ZERO MAINTENANCE

Eliminates the need to develop and maintain scripts or manually update configuration information—and the recovery failures that occur when these things don't get done.

BACKUP INTEGRITY

Checks each backup set to verify that it contains all the data necessary to successfully recover your forest, and that this data was successfully written to one or more locations. Also notifies you of any gaps in backup jobs.

SHARE-NOTHING ARCHITECTURE

Runs independent of AD—with no reliance on Windows authentication, DNS, or other AD services—so you can recover immediately even if AD is completely down.

LIGHTWEIGHT AD BACKUPS

Backs up only the AD components. This approach results in smaller backups, which means less data to retrieve, process, and transfer—and less time to perform these operations during restore.

EASY DISASTER RECOVERY TESTING

Lets you spin up an exact replica of the production AD forest, using available servers, in an isolated lab to effortlessly test recovery procedures and document results for compliance with internal and external regulations.

MULTI-FOREST SUPPORT

Manages backup and recovery of multiple AD forests using a single management server and web portal, simplifying setup and ongoing administration.

POWERSHELL SUPPORT

Includes PowerShell commands for automating Semperis ADFR management, providing easier management of backup groups, backup rules, agents, and distribution points.

LAB SETUP

Makes it easy to spin up a copy of production DCs in the lab, significantly reducing the time to maintain dev/test, staging, training, and support environments.

DISTRIBUTED BACKUP FAILOVER

Leverages distribution point servers to store backups close to domain controllers, reducing network traffic as well as backup and recovery times.

SECURE BACKUP ENCRYPTION

Generates a unique, one-time encryption key for each DC in a backup set—preventing an attacker from using a single key to decrypt all backups. Also displays which backup rules have encryption enabled.

SAML AUTHENTICATION

Supports single sign-on (SSO) using SAML to minimize user login frequency—users can log in to the Administration portal using their chosen IdP credentials.

ADVANCED SEARCH

Simplifies operation log record retrieval with advanced search functionality that helps you filter by attributes such as components for a specified date range.

POST-BREACH FORENSICS

Enables incident response teams to identify changes made by adversaries within a defined attack window, speeding the investigation.

OS PROVISIONING

Provides a standalone PowerShell-based tool to prepare for an AD forest recovery or to set up a test environment to validate a recovery plan.

RECOVER WITH CONFIDENCE

Contact us today for a free trial.

Semperis

HEALTHCARE

"Having ADFR at the center of our DR plan put my mind at ease because now we know if an incident happens again that takes out the DCs, we have a direct course of action to take."

— David Yancey, Senior Systems Engineer at Prime Healthcare

AIRLINES

"The Semperis platform helped El Al reach a point where we are sure that we can overcome any Active Directory outage."

— Deputy Director of Infrastructure, El Al Airlines

Semperis
IT Resilience Orchestration

5 ★★★★★

Source: Gartner Peer Insights

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For security teams charged with defending hybrid and multi-cloud environments, Semperis ensures the integrity and availability of critical enterprise directory services at every step in the cyber kill chain and cuts recovery time by 90%. Purpose-built for securing hybrid Active Directory environments, Semperis' patented technology protects over 50 million identities from cyberattacks, data breaches, and operational errors. The world's leading organizations trust Semperis to spot directory vulnerabilities, intercept cyberattacks in progress, and quickly recover from ransomware and other data integrity emergencies. Semperis is headquartered in Hoboken, New Jersey, and operates internationally, with its research and development team distributed throughout the United States, Canada, and Israel.

Semperis hosts the award-winning Hybrid Identity Protection conference and podcast series (www.hipconf.com) and built the free Active Directory security assessment tool, Purple Knight (www.purple-knight.com). The company has received the highest level of industry accolades, recently named to Inc. Magazine's list of best workplaces for 2022 and ranked the fastest-growing cybersecurity company in America by the Financial Times. Semperis is a Microsoft Enterprise Cloud Alliance and Co-Sell partner.

Microsoft Partner
Enterprise Cloud Alliance
Microsoft Accelerator Alumni
Microsoft Co-sell