

Protecting citizen's data From cyber threats



PURESTORAGE® +

Atos

Are you prepared for the unexpected?

85% of targeted cyberattacks are preventable through appropriate risk mitigation measures. With the cyber threat landscape evolving rapidly in an increasingly complex environment, cybersecurity has become one of the top organisations risks. How to deal with today's more and more frequent cyber attacks and ransomware?

Augment Data Protection with SafeMode Snapshots

Backups safeguard critical data against common scenarios such as recovering from natural or man-made disasters, data corruption, or accidental deletions. However, ransomware attacks can stress existing data-protection infrastructure that may be built on legacy architectures, such as disk and tape, more than expected.

First, if you are already struggling with meeting recovery SLAs, a ransomware attack can exacerbate the situation with additional downtime. Second, your backup systems and data can be compromised, which could require you to reinstall and reconfigure your backup solution, before even contemplating data recovery.

Discover a new approach to mitigating against ransomware when using Pure FlashBlade systems by Pure Storage. SafeMode snapshots, a built-in FlashBlade

feature, enable you to create read-only snapshots of backup data and associated metadata catalogs after you have performed a full backup. You can recover data directly from these snapshots, helping recover after ransomware attacks and even rogue admins. FlashBlade provides the following benefits:

- Enhanced Protection: Ransomware can't eradicate (delete), modify, or encrypt SafeMode snapshots. In addition, only an authorized designee from your organization can work directly with Pure Technical Support to configure the feature, modify policy, or manually

eradicate snapshots.

- Backup Integration: Utilize the same snapshot process regardless of backup product or native utility used to manage data protection processes.
- Flexibility: Snapshot cadence and eradication scheduling are customizable.
- Rapid Restore: Leverage a massively parallel architecture and elastic performance that scales with data to speed backup and moreover recovery.
- Investment Protection: FlashBlade includes SafeMode snapshots at no extra charge. Your Pure subscription or maintenance support contract cover enhancements.



Backup as a Service – Cyber Recovery

When ransomware strikes, two things are needed for recovery. First, a valid copy of backup data is vital since ransomware often targets backups. But how can backups be protected when hackers compromise admin credentials? Second, the fastest possible restore is critical due to the scope of the recovery effort: potentially all the data may be encrypted.

Atos' FlashBlade all-flash file and object storage helps deliver both with secure snapshots that protect backups as well as rapid restore that provides fast, high-capacity recovery that speeds return to operations. And it works with existing backup software.

This uplifted service leverages a dedicated infrastructure platform that has the ability to lock datasets from being manipulated by both external threats and internal rogue activities. Authentication services are completely air-gapped from both end-customer and Domain administrators, and a "two-person" rule is enforced at the hardware level to ensure no unauthorised actions can be executed against the backups. In addition to this, the platform is capable of extreme restore performance – essential in the wake of a potential cyber-attack which is the only likely reason a full restore will ever be required. Extreme restore performance means that your organisation will be back to normal operations in hours or days instead of weeks or months. All data is encrypted at rest (AES 256-bit).

Benefits:

- Immutable protection for backups against Cyber-attack, Encryption and Rogue Administrators
- Extreme restore performance enabling your organisation to return to normal operations in the wake of either cyber event or inside attack.



About Atos

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