Ransomware Mitigation with FlashBlade SafeMode

Increase data security with Pure Storage FlashBlade and SafeMode.

Ransomware attacks continue to be top of mind for business and IT leaders. And for good reason. They compromise access to your data, and the consequences can be dire. By 2031, global ransomware damages are predicted to exceed $265 billion with a new attack expected every 2 seconds.[1] And while millions of dollars are spent annually to guard entry points to data, many still underestimate the strategic value of augmenting data protection.

Existing Data Protection May Not Be Enough

Backups safeguard critical data against common scenarios such as recovering from natural or human-made disasters, data corruption, rouge admins, or accidental deletions. However, ransomware attacks can stress your existing data protection infrastructure— especially those built on legacy architectures, such as disk and tape, more than expected.

If you're already struggling to meet recovery SLAs, a ransomware attack can exacerbate the situation with additional downtime. Backup systems and data can be compromised, which could require you to reinstall and reconfigure your backup solution, before even contemplating recovering your data.

Safeguard Recovery Data to Secure Your Business

Securing data before, during, and after ransomware strikes requires careful planning, especially as attackers increasingly move toward targeted attacks.

Pure Storage® FlashBlade® with SafeMode™ secures the critical data you need to recover from a cyberattack so that you can restart business services quickly, without succumbing to attacker demands. SafeMode is a built-in feature of the Purity Operating Environment and is included with FlashBlade and FlashBlade//S.

Complete Immutability

Secure data from encryption loss due to malicious attacks or admin mistakes, even if admin credentials are compromised.

Easy Backup Integration

FlashBlade works with existing software and tools, so you don't need to change your software to improve backup and recovery objectives.

Rapid Restore

Petabyte-scale recovery gets your business back online.

With SafeMode, you can create immutable, read-only snapshots of backup data and associated metadata catalogs after you've performed a full backup. Ransomware can't delete, modify, or encrypt these snapshots, even if admin credentials become compromised. You can recover data directly from these snapshots, helping recover after ransomware attacks. FlashBlade with SafeMode provides the following benefits:

- **Enhanced protection:** SafeMode ensures ransomware cannot eradicate protected data.

- **Rapid recovery:** FlashBlade provides petabyte-scale recover to get your business back online quickly.

- **Backup integration:** FlashBlade is compatible with your existing data protection software.

- **Investment protection:** FlashBlade includes SafeMode at no extra charge. Your Pure subscription or maintenance support contract cover enhancements.
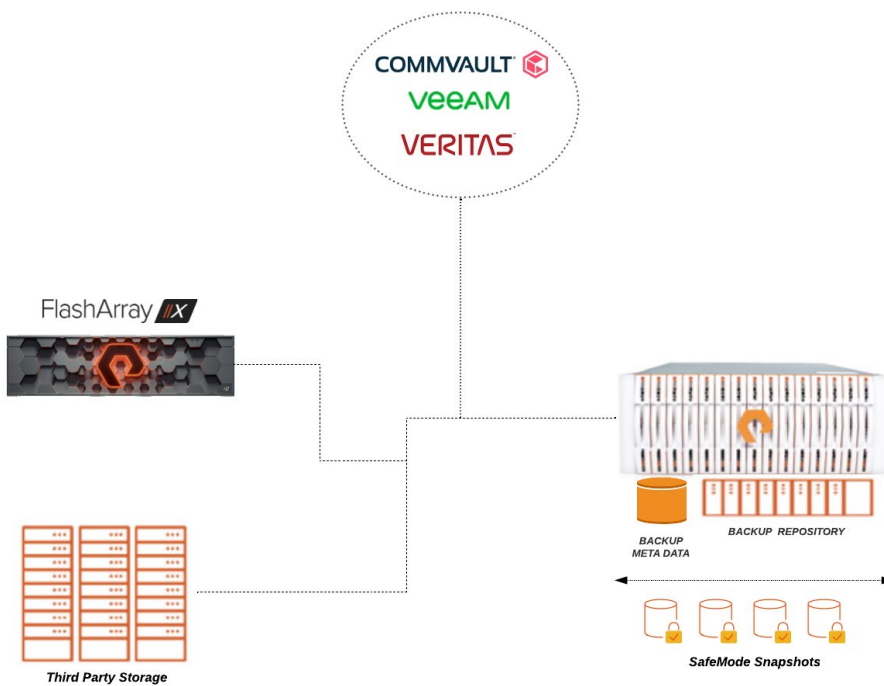

Figure 1: Securing data with FlashBlade SafeMode immutable snapshots.

Additional Resources

- Learn more about FlashBlade//S.

- Understanding SafeMode snapshots.

- See more solutions for ransomware mitigation and recovery.

[1] *2022 Cybersecurity Almanac*; Cybersecurity Ventures, January 2022