SOLUTION BRIEF

NETAPP RANSOMWARE RESILIENCE

Detect ransomware attacks in real time, prevent data loss, recover fast, and minimize the impact on your business

Are you prepared for a ransomware attack?
A critical aspect of being prepared for a ransomware attack is protecting your workload data at the storage layer—the last line of defense. With attacks becoming more sophisticated, automated, and costly, preventing a ransomware attack is unrealistic. You must be ready when attackers get in.

Backups alone are not enough. You need to be able to assess the risks to your critical workload data and to detect threats and respond in real time. You also need recovery plans in place that can be executed quickly and easily. However, achieving effective resilience against a ransomware attack is an operational burden, with many error-prone manual tasks and too few staff who have the necessary expertise.

If you don't have a program in place, attacks on your workloads will go undetected, and your responses will be delayed. Workload recovery will be complex—taking an average of 7 days—and your data may not even be fully recovered. That's too little, too late!

Get comprehensive protection at the last line of defense
The NetApp® Ransomware Resilience service enables you to quickly and easily execute your program, from proactive protection, through real-time detection, rapid response, and fast, clean data recovery.

Ransomware Resilience provides a single interface to intelligently orchestrate your workload-centric ransomware defense. With a few clicks, you can identify and protect your critical workload data at risk. The service also accurately and automatically detects and responds to potential attacks and limits their impact. And you can recover workloads, free from malware, within minutes, safeguarding your valuable data and minimizing damage and the cost of disruption to your business.

Ransomware Resilience includes unique, built-in capabilities and utilizes relevant ONTAP features and Data Services, while providing the necessary visibility, intelligence, automation, and workflows—all orchestrated from a single control plane.

- **Assess and protect:** Gain visibility into your ONTAP workload protection posture with recommendations to close gaps and reduce risk. Apply policies at scale.
- **Detect attacks in real time:** Instantly detect encryption and suspicious user behaviors on your ONTAP storage.
- **Respond fast:** Limit data loss by automatically taking snapshots and blocking the user.
- **Recover in minutes:** Get a guided process to easily recover, clean, and restore the most up-to-date data—fast.
- **Improve your security posture:** Validate your ransomware attack response playbook by running readiness drills. Prove your plan to management and regulators.

Prepare for an attack:
Save time and improve effectiveness
Ransomware Resilience automatically identifies the types of data in your NetApp storage, maps the data to specific workloads, assesses data sensitivity and criticality, and analyzes risk. This process reduces your reliance on complicated manual analysis, additional third-party tools, and specialized expertise.

KEY BENEFITS

- Proactively improve your ransomware protection posture and reduce risk.
- Detect attacks in real time, and respond immediately to limit data loss and stop the attack.
- Recover your data fast to minimize business disruptions.
- Meet RTO/RPO objectives.
- Focus on business priorities not tooling and configurations.

Ransomware Resilience then proposes intelligent protection policies aligned to the sensitivity and criticality of your data.

With just one click, protection policies are seamlessly and consistently applied to your workload data. Ransomware Resilience works in the background to configure ONTAP and NetApp Data Services capabilities and to orchestrate protection workflows across each data volume, reducing the need for repetitive manual tasks.

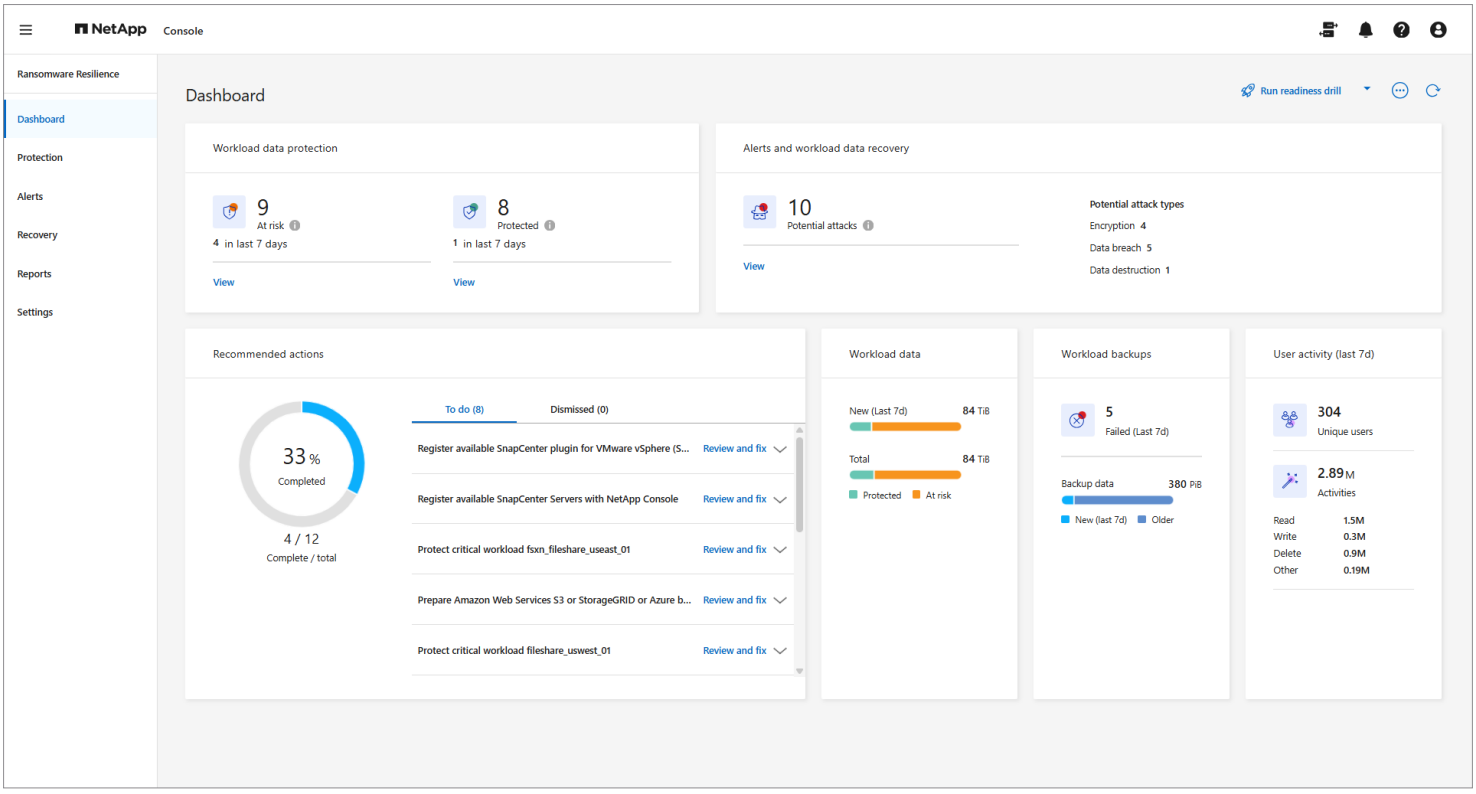
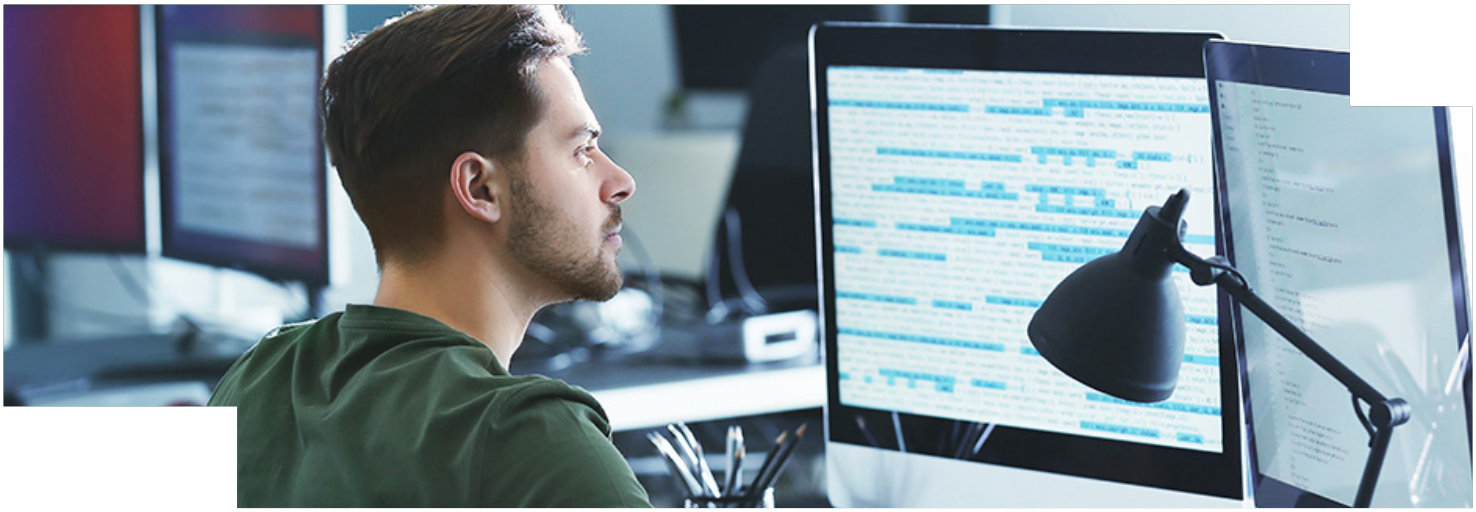


Figure 1: NetApp Ransomware Resilience service provides comprehensive workload-centric ransomware defense from detection to recovery.



Detect and respond to threats in real time
Ransomware Resilience continuously monitors for suspicious file and user behavior anomalies. It can detect data breaches by identifying suspicious user behaviors, as well as file encryption and mass deletion attempts. When an attack is suspected, Ransomware Resilience creates a Snapshot copy to prevent data loss, and it enables blocking of the user perpetrating the attack to stop and prevent further attacks.

This service uses innovative, advanced AI-based ransomware detection on your primary storage. This approach means that potential attacks can be found quickly and mitigated immediately.

Ransomware Resilience provides incident reports to support forensics and it integrates with the industry-leading SIEM solutions.

Recover workloads easily, within minutes
Once the attack has been contained, it's time to restore your data. Ransomware Resilience provides a guided workflow for the entire data recovery and restoration process. Snapshots can be restored at the volume or file level. Ransomware Resilience can also ensure application or VM consistency, restoring the application or VM back to its previous state and last transaction.

For fileshares, the new clean restore feature in Ransomware Resilience will curate a recovery point from the most recent version of every unencrypted file from across multiple snapshots. It then removes any malware present before restoring the data back into production. Not only does this minimize data loss, it also prevents reinfection of the data.

Minimize business disruption
Ransomware Resilience removes the burden and anxiety of protecting your workloads from ransomware-related downtime and data loss. It delivers a comprehensive service that improves your readiness, responds to attacks, and guides you through recovery of your data. Only with NetApp can you have peace of mind knowing that when an attack occurs, you will be alerted immediately, your valuable workload data will be protected, and recovery will be fast and easy—minimizing disruption to your business.

Get NetApp Ransomware Resilience today

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About NetApp
NetApp is the intelligent data infrastructure company, combining unified data storage, integrated data services, and CloudOps solutions to turn a world of disruption into opportunity for every customer. NetApp creates silo-free infrastructure, harnessing observability and AI to enable the industry's best data management. As the only enterprise-grade storage service natively embedded in the world's biggest clouds, our data storage delivers seamless flexibility. In addition, our data services create a data advantage through superior cyber resilience, governance, and application agility. Our CloudOps solutions provide continuous optimization of performance and efficiency through observability and AI. No matter the data type, workload, or environment, with NetApp you can transform your data infrastructure to realize your business possibilities. Learn more at www.netapp.com or follow us on Twitter, LinkedIn, Facebook, and Instagram.