

SOLUTION BRIEF

# FlexPod security and ransomware protection with NetApp Cloud Insights



## Hybrid cloud infrastructure

FlexPod® converged infrastructure solution combines computing, networking, and storage resources from Cisco and NetApp, providing a flexible and scalable platform for you to run a variety of workloads. The solution consists of prevalidated and preconfigured components, including Cisco Unified Computing System (UCS) servers, Cisco Nexus switches, and NetApp® storage systems, which are integrated and optimized for performance and reliability. FlexPod is widely used in data centers and private clouds, giving enterprises like yours a foundation for digital transformation and innovation.



### Multicloud visibility

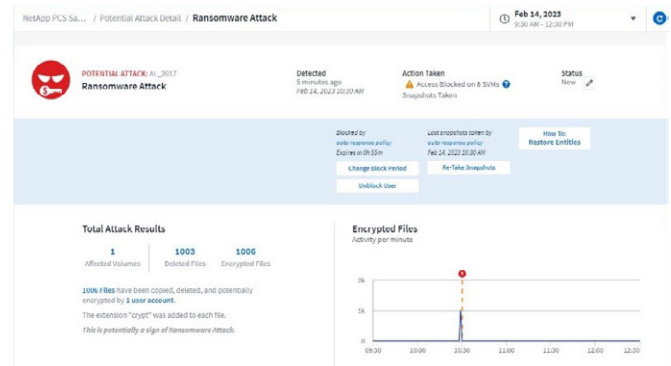
NetApp Cloud Insights is a software-as-a-service (SaaS)-based monitoring and analytics solution that gives you real-time visibility into your cloud and on-premises IT infrastructures. Cloud Insights can help your organization optimize resource utilization; troubleshoot issues; and proactively manage performance, security, and compliance. It supports various cloud environments, including Amazon Web Services, Microsoft Azure, and Google Cloud, as well as your on-premises environment. Cloud Insights uses machine learning and analytics to give you actionable insights and recommendations, so you can improve your organization's operational efficiency and reduce costs.

### Threat landscape

In 2022, the average ransomware payment was \$812,360<sup>1</sup>, and that average continues to rise year over year. Ransomware can enter your enterprise's network through several methods, including phishing emails that trick employees into clicking malicious links or downloading infected attachments. It takes advantage of vulnerabilities in outdated software and systems by using tools like exploit kits to gain access to your enterprise's network. Ransomware spreads through drive-by downloads or infected USB drives or by social engineering tactics, such as posing as IT personnel, and it targets managed service providers.

### Detect and mitigate the impact of ransomware with Cloud Insights

Ransomware attacks can significantly disrupt your business operations, leading to data loss, system downtime, and financial losses. And ransomware attacks can damage your organization's reputation as customers and stakeholders lose trust in your company's ability to protect their data. By detecting and by mitigating ransomware attacks, your organization can minimize the impact of an attack and prevent the spread of malware, reducing the risk of further damage. NetApp Cloud Insights can detect abnormal behavior that indicates ransomware and quickly acts to mitigate the impact.



## Trace activities related to sensitive files with Cloud Secure

By logging and by analyzing file access and modification events, your organization can detect and investigate suspicious activity, such as unauthorized access attempts, data exfiltration, or data tampering. You can then take proactive measures to prevent data breaches and data loss, reducing the risk of financial, legal, and reputational damage. And by tracing activities that are related to sensitive files, your organization can demonstrate compliance with regulatory requirements and internal security policies. The forensic features of Cloud Secure within NetApp Cloud Insights strengthen the data security posture of your enterprise.

### Summary

This FlexPod solution is an excellent choice to help your organization:

- Protect against accidental deletions.
- Trace activities related to sensitive files.
- Detect and mitigate the impact of ransomware.

To learn more, read the FlexPod technical report [TR-4961](#).

