SOLUTION BRIEF

Nutanix OPSWAT controls the flow of sensitive content

An infected storage system could compromise users at an alarming rate. Nutanix hyperconverged technology can be used to analyze every segment of a network for malware. OPSWAT MetaDefender both detects and prevents malware and checks files for personally identifiable information (PII) and redacts or watermarks sensitive data before transfer. Together OPSWAT MetaDefender with Nutanix Files can scan your entire database for zero-day threats, sensitive information, or known threat vectors.

SOLUTION ARCHITECTURE/HOW IT WORKS

"OPSWAT is one of the leading operators of the world's largest global content disarm and reconstruction space that helps secure the network infrastructures from advance data theft techniques and malware attacks. The company is growing in the market by using various strategies, such as launching advanced products and services, entering partnerships, and expanding its services geographically."

Quoted from Quoted from Markets and Markets.

To protect users from malware and viruses, you need to address both the Nutanix client and the file server. Nutanix currently supports third-party vendors that use Internet Content Adaptation Protocol (ICAP) servers. ICAP, which is supported by a wide range of security vendors and products, is a standard protocol that allows file and web servers to be integrated with security products. Nutanix chose this method to give customers wide latitude in selecting the threat detection and threat prevention solution that works best for their specific environment. Following is the workflow for Nutanix-OPSWAT solution:

- A Nutantix SMB client submits a request to open or close a file.
- The Nutanix AFS file server determines if the file needs to be scanned, based on the metadata and virus scan policies. If a scan is needed, the file server sends the file to the OPSWAT MetaDefender ICAP server and issues a scan request.
- The MetaDefender ICAP server scans the file for malware using MetaScan Multiscanning technology and generates a sanitized copy of the file through "Deep CDR" and "Proactive DLP" technologies and reports results back to the Nutanix AFS file server.

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NUTANIX READY VALIDATION

- OPSWAT MetaDefender ICAP Server4.7.6 ia validated on Nutanix AHV (AOS 5.15)
- OPSWAT MetaDefender Core4.17.1 is validated on Nutanix AHV (AOS 5.15)
- OPSWAT Central Management7.4.0.1110 is validated on Nutanix AHV (AOS 5.15)

RESOURCES AND GETTING STARTED

- nutanix.com/partners/technology-alliances/opswat
- opswat.com/partners/nutanix
- onlinehelp.opswat.com/icap/

- The AFS file server takes an action based on OPSWAT MetaDefender results which can include:
    - If the original file is infected, the file server can either quarantine it returning an access denied message to the SMB client, or allow the sanitized copy to be returned to the SMB Client
    - If the file is not infected, either return the original of the file requested or the sanitized copy to the SMB client.

KEY SOLUTION BENEFITS

- Prevent malware distribution within storage clients
- Redact or watermark sensitive information in file content
- Analyze file content at upload, before download, or at rest

ABOUT OPSWAT

"OPSWAT protects critical infrastructure. Our goal is to eliminate malware and zero-day attacks. Our products focus on threat prevention and process creation for secure data transfer and safe device access. The result is productive systems that minimize risk of compromise. OPSWAT. Trust No File. Trust No Device."

ABOUT NUTANIX

Nutanix makes infrastructure invisible, elevating IT to focus on the applications and services that power their business. The Nutanix enterprise cloud platform delivers the agility, pay-as-you-grow economics and operational simplicity of the public cloud, without sacrificing the predictability, security and control of on-premises infrastructure. Nutanix solutions leverage web-scale engineering and consumer-grade design to natively converge compute, virtualization and storage into a resilient, software-defined solution that delivers any application at any scale. Learn more at www.nutanix.com or follow us on Twitter @nutanix.

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