Secure your Data with a Defense in Depth Strategy from Nutanix

SECURITY IN THE HYBRID CLOUD BEGINS WITH A ROBUST INFRASTRUCTURE FOUNDATION

Maintaining security in today’s environments is challenging for several reasons. Many traditional infrastructure stacks are comprised of products from multiple vendors, each with a narrow and limited view of security. Validating and maintaining a security baseline through continuous software upgrades, is time-consuming and often involves error-prone manual processes that take away from innovation and productivity.

In the cloud era, security must be ingrained in the culture and security considerations need to be an essential part of the organization’s decision making in order to meet the high-bar of regulatory compliance as well as address the challenges of evolving security threat landscape. Enterprises should strive to incorporate automation into the process of maintaining security in the infrastructure in order to avoid human error and deliver seamless scalability without compromising security in an ever-changing environment.

RETHINKING SECURITY FOR A HYBRID CLOUD FUTURE

Security in the hybrid cloud begins with a robust infrastructure foundation. This is where industry leading enterprise cloud solution from Nutanix not only provides operational and financial value, but also aids in improving security posture and preventing data breaches by providing a defense-in-depth approach towards hybrid cloud security.

KEY BENEFITS

Protect Data and Prevent Breaches
• Encrypt data-at-rest
• Control and restrict access to sensitive data
• Analyze and audit security configurations
• Secure your public and private clouds

Segment and Secure Networks
• Deploy microsegmentation and network inspection in minutes
• Separate regulated environments with automated software controls

Simplify Regulatory and Compliance Efforts
• Automate platform security baseline configurations
• Validate compliance with regulatory policies (HIPAA, PCI, NIST, etc)

STANDARDS AND CERTIFICATIONS

NSA Suite B
COMMON CRITERIA EAL2+
FIPS 140-2 Validated Encryption
ISO 27001 Certified

Nutanix employs multiple security standards and validation programs. It complies with the strictest international standards, including the SP800-53 guidelines, to assure governments worldwide that Nutanix products perform as expected and work with their existing technology.

Platform Security
Application Security
Cloud Security
DEFENSE AT EVERY LEVEL

Platform Security: Security is a foundational aspect of product design at Nutanix starting with security hardening practices (like data-at-rest encryption, comprehensive access controls, etc.) built into the enterprise cloud platform. Industry best practices and government standards are incorporated into an automated configuration monitoring and self-healing process that supports compliance goals. Strict tests for common vulnerabilities and frequent patch releases minimizes risk of data breaches. Inconsistencies are logged and reverted to the baseline ensuring consistency of security configuration.

Application and Network Security: Nutanix Flow delivers advanced networking and security services inside the data center, providing application-centric visibility and protection from network threats. Networks and applications can easily be segmented via a software-defined policy without any additional hardware or complex network configurations. Native network microsegmentation functionality provides a discovery, visualization, and policy enforcement model that simplifies and automates the application of granular network policy (microsegmentation) between VMs.

Multi-Cloud Security: Beam provides multi-cloud security configuration audits and compliance validation for Nutanix as well as public clouds. Beam uses 550+ automated security audits to detect and fix cloud infrastructure security vulnerabilities such as open ports, unencrypted data, globally accessible storage buckets, and more. Security admins can create automated policies to remediate vulnerabilities in real-time. Beam also helps to validate the level of compliance with regulatory policies such as PCI-DSS, HIPAA, NIST, etc. - delivering an always-on security compliance solution.

“By publishing and testing to their own STIG incorporating DOD STIG guidelines, Nutanix has eliminated the need for time-consuming testing by customers and end-users, allowing us to bring innovative technology into government enterprises quickly.”
Robert Sanchious - Chief of Engineering - SHR Consulting Group

“AHV also enables network virtualization through Nutanix Flow. Flow provides network segmentation capabilities that greatly enhance security”
David Harold, Senior Manager - Carmax Enterprise Systems

“Xi Beam moves us out of the realm of uncertainty, giving us a clear view of our cloud estate.”
Dominic Mainment, Technology Architect - Total Gas & Power