SOLUTION BRIEF

Secure your Environment with Invisible Security from Nutanix

Secure Applications and Data to Prevent Malware Spread in Hybrid-Clouds

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 hybrid clouds
- Prevent the spread of ransomware

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)

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 decoupled from the stack - providing 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 an 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 the industry leading solution from Nutanix not only provides operational and financial value, but also aids in improving security posture and preventing data breaches by supporting a defense-in-depth approach for hybrid cloud security.

Platform Security

Application and Network Security

SecOps and Compliance

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STANDARDS AND CERTIFICATIONS

Nutanix employs multiple security standards and validation programs. It complies with the strictest international standards, including numerous ISO, SOC, and FIPS standards, to assure governments and enterprises worldwide that Nutanix products perform as expected and work with their existing technology.

Visit nutanix.com/trust for complete details

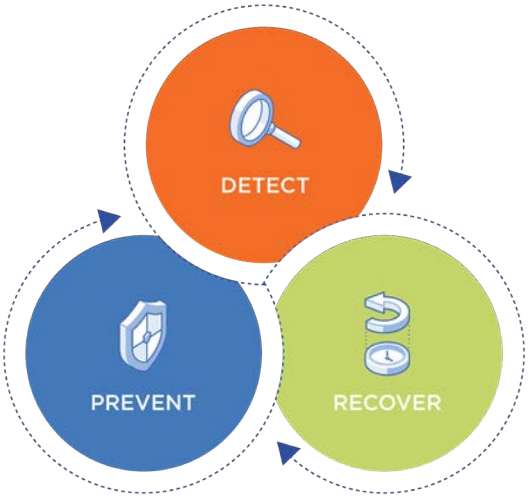
DEFENSE AT EVERY LEVEL

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 the 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 network security inside the data center, providing application visibility and protection from the spread of cyber threats like ransomware. 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.

SecOps, Compliance, and Audit: Flow Security Central provides hybrid-cloud security posture visibility, policy management assistance, configuration audits, and compliance validation for Nutanix HCI. Security Central uses a collection of automated security audits to detect and fix infrastructure security vulnerabilities and configuration errors. Security admins can create automated policies to remediate vulnerabilities in real-time. Security Central also helps to validate the level of compliance with regulatory guidelines such as PCI-DSS, HIPAA, NIST, etc. - delivering an always-on security compliance solution.

Prevent, Detect, and Recover: There is no single action, software solution, or security control that can completely safeguard your organization from the threats of malware and ransomware. The best solution is a multi-layered approach, commonly called a “defense in depth” strategy. To minimize both your operational and financial costs, your comprehensive plan should include all the Nutanix built-in capabilities working alongside controls and safeguards that may already exist in your datacenter.



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TRUST NUTANIX AS PART OF YOUR CYBER DEFENSE STRATEGY

HCI Platform

- Self-healing security configuration baseline
- Storage snapshots and recovery points
- Data protection, replication, and runbook automation
- FIPS 140-2 validated data-at-rest encryption
- Data plane & control plane segmentation
- Native virtualization - built for security

Patching and Upgrades

- “One-click” CVE patching, platform upgrades, and life cycle management
- Firmware and BIOS upgrade management

Management and Automation

- Role-Based Access Control (RBAC)
- Identity and Access Management
- Resource analytics, insights, and anomaly detection
- Codeless automation and event triggers
- Application blueprints and automation to ensure consistent policy application

Networking and Security

- Network and application segmentation
- Application and network visibility
- Deep packet inspection and threat intelligence partner integrations
- Policy and event logging
- Security Compliance and Audit Tools

Storage Services

- File type blocking policies
- File activity anomaly detection
- ICAP support for antivirus integration
- Immutable WORM policy support

Backup, Business Continuity, and Disaster Recovery

- Native replication and data protection
- Archive and backup solution for secondary storage
- Cloud Disaster-Recovery-as-a-Service

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YOUR ENTERPRISE CLOUD

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