

Catbird® and VMware® NSX™

Redefining Security for the Software-Defined Data Center



Organizations want agility and speed for business applications without compromising IT security and compliance. Catbird® provides advanced visibility and policy enforcement for VMware® NSX™-based network virtualization. NSX, a key component of the software-defined data center, delivers a new operating model for the network to enable IT organizations to dynamically instantiate network and security services – thereby delivering unprecedented business value.

Data center and security operators who leverage NSX for service provisioning speed also need to ensure that infrastructure is provisioned and auditable based on standards. NSX provides a simple mechanism to deploy, manage and automate built-in and third party security services for application workloads. Catbird builds on NSX services to provide controls validation that is consistent with organizational or industry standards. And where there are gaps, Catbird enforces controls to bring the system back into compliance, enabling consistent policy across NSX and non-NSX portions of the enterprise.

Catbird is the leader in delivering security, verification, and enforcement for the private and hybrid cloud. For years, Fortune 500 enterprises and government agencies have relied on Catbird for policy-based security in their private cloud. Catbird's security policy automation includes both built-in and third party network controls to cover all seven network controls in the SANS Top 20. Catbird provides third party firewall orchestration and built-in capabilities including Network Access Control (NAC), Intrusion Detection and Prevention System (IDS/IPS), Netflow, infrastructure configuration monitoring, vulnerability monitoring and SCAP configuration checks.

History has shown that disruptive technology can also bring complexity and risk. The best practice is to integrate with legacy controls, best-of-breed solutions and audit processes. Catbird and VMware are addressing these challenges by designing a security solution that addresses specific concerns around operational response, verification and compliance while making security as agile, aware and automated as other layers in the cloud stack.

Automated and Flexible Policy Based on Best-of-Breed Solutions

- Catbird will deliver policy-based security analytics, visualization and workflow to NSX. As one of the first to orchestrate VMware's firewall, we understand third-party control policy instantiation, correlation and visualization. By applying this knowledge to NSX security groups, policies, and tags, Catbird extends its policy management to include best-of-breed security products.

Controls Verification, Validation and Enforcement

- The ability to provide controls verification, validation and enforcement is critical to bridging the gap between customers' previous security investments and processes and new VMware NSX capabilities. Catbird provides a single pane of glass view with visualization and workflow of security controls and regulatory compliance posture.

Cross-Platform Policy Support

- Enterprises demand consistent security and compliance across NSX and non-NSX platforms. As the first company to focus on delivering consistency across hypervisors and security vendors, Catbird will ease the transition for companies deploying NSX by unifying their network security tools and providing consistent policy, verified and enforced.

Catbird To Deliver Security Bridge To VMware NSX Adoption

- **Agile and Automated Security:** Tunable security policies integrated with best-of-breed products enable real-time, flexible delivery of controls mapped to the dominant standards
- **Policy Verified and Enforced:** Real-time validation of security controls measured against policy, for operational response and regulatory compliance
- **Cross-platform Policy:** Consistent security, verified and enforced, across NSX and non-NSX platforms

OPTIMIZED PROTECTION AND THREAT MITIGATION

Based on a software-defined security model, Catbird resides at the hypervisor layer tightly integrated with hypervisor and virtual network APIs—the sweet spot for virtual security. This unique deployment enables detection, isolation and containment of threats based on real-time traffic monitoring and measuring event activities against user-defined policy. In this way, data is protected, misconfigurations identified and attacks mitigated in real time. Catbird helps prevent data breaches and disruptions to business, as well as validating and enforcing controls for regulatory compliance efforts including leading standards such as PCI, FISMA, COBIT, ISO-27001 and HIPAA. As a virtualized security solution, Catbird provides unified network security that scales with software-defined data centers while leveraging existing investments.

Catbird leverages the hypervisor as the ideal focal point for security policy, maximizing context and reliability. The product integrates easily into enterprise security architecture with a complete set of northbound APIs, CEF logs, netflow forwarding, and automated alerts. Catbird observes and presents a detailed view of the virtual infrastructure, 100 percent perfect inventory of all VMs and visualization of their connectivity. Having a complete context of network activity helps ensure trust in private clouds, improves security posture, accelerates incident response and forensic analysis, and reduces the audit and compliance burden.

In a landscape of continuous high-profile data breaches, securing the virtual network is imperative and security benefits of automation critical. Building on a long partnership, VMware and Catbird will provide the next step towards optimizing data and network protection in virtualized and cloud environments.

Joint Benefits of Planned Catbird and VMware NSX Solution

- Agile, automated security policy for visualization and workflow based on best-of-breed controls
- Policy-based controls validation and enforcement for operational response and regulatory compliance
- Consistent security policy, verified and enforced across NSX and non-NSX platforms

vmware™



www.catbird.com

Catbird 1800 Green Hills Road Suite 113
Scotts Valley CA 95066 USA
Tel 866.682.0080

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