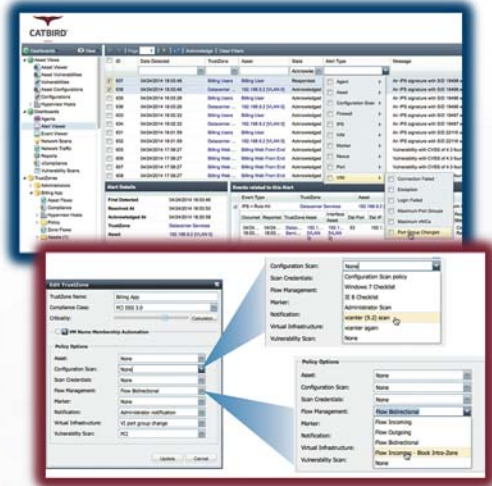


Catbird Secure

Apply Run-time Security for Dynamic Workloads



The Perimeter Is Dead, Long Live the New Perimeter

While traditional perimeter security controls are good at protecting large network ingress and egress points, they are inefficient when it comes to protecting virtual assets. In a virtual infrastructure you want to complement enterprise-wide, coarse-grained policies – deployed at the traditional perimeter – with fine-grained security policies wrapped around each workload or group of workloads. This pushes the perimeter down to the individual application.

This approach to security – also known as micro-segmentation – requires the use of software-based, virtualized security controls deployed within the virtual fabric itself. While ignoring this additional layer of security may be acceptable when deploying initial non-sensitive applications, applying run-time security wrapped around your applications becomes a must when moving more business-critical applications to the virtual fabric.

Catbird Secure

Catbird Secure builds upon Catbird Insight and enables automated enforcement of flexible security policies across Catbird TrustZones®. The platform detects and alerts to potential security incidents, initiates corrective enforcement actions, and provides instant compliance reporting for major standards and mandates. Deploying Catbird Secure provides you with the following instant benefits:

- Automated Policy Deployment
- Continuous Monitoring & Policy Enforcement
- Compliance Reporting

“Catbird utilizes an SDN approach to support an enterprise’s need for security and compliance, utilizing an automated method to capture and analyze security and hypervisor events.”

Frank Dickson, Industry Principle at Frost & Sullivan

- **Tiered Security Policies:** You can define the appropriate multi-functional security policy for each Catbird TrustZone. Each policy steers technical controls such as a firewall, Network Access Control (NAC), Intrusion Detection and Protection (IDS/IPS), NetFlow and vulnerability/configuration monitoring, and can execute numerous other security tasks via hypervisor interfaces.
- **Default Configurations:** You are in control. Worried that a new VM might sneak in and bypass your security policy? Don’t ... you can define rules to assign security policies based on asset metadata so it automatically gets the right security policy. Any asset not assigned to a Catbird TrustZone is covered by a default security policy you define.
- **Flexible Alerting:** You can select and define alerts, allowing early detection of potential security incidents. A high-risk IDS alert triggered? A new asset was discovered? You’ll know about it right away. And through simple configuration, you can point these alerts to your SIEM or ticketing system for further follow-up.
- **Compliance Reporting:** You will be prepared with the required information when the next audit comes along. With a simple click of a button, various compliance reports (e.g. PCI, HIPAA, FISMA) are generated, allowing you to demonstrate which controls you have in place and prove they are being enforced.

CATBIRD®

Challenges Addressed by Catbird Secure

- Inefficient security controls
 - Because traditional security controls sit outside the virtual fabric (at the network perimeter), using them to secure virtual infrastructure is cumbersome
 - Lack of automated security policy enforcement
 - Virtual assets deployed without any security attached
 - Ability to apply run-time security for dynamic workloads needed
- Inefficient means of micro-segmentation implementation
 - Automatic enforcement of ACLs for security groups / micro-segments needed
- Painful and costly compliance audits
 - Each audit requires manual validation as to whether controls are in place and proof that they functioned as intended
 - Automated control monitoring and enforcement required

How Catbird Secure Works

- Catbird Secure assigns security policies to each Catbird TrustZone and applies them at runtime for enforcement and monitoring purposes. These security policies define how technical controls are orchestrated at both the Catbird TrustZone-level and the individual VM-level. The technical controls at your disposal include: a firewall rule-set, Network Access Control (NAC), Intrusion Detection and Protection (IDS/IPS), NetFlow and vulnerability/configuration monitoring, and numerous other security tasks which can be executed via hypervisor interfaces.
- Catbird Secure continuously captures network, security and compliance events and tracks them by Catbird TrustZone and individual VM across all controls. Based on those events, Catbird Secure generates alerts, which can be forwarded to your SIEM or ticketing system for further follow-up.
- As part of Catbird Secure, the Catbird Control Center also delivers a rich UI for visualization of compliance posture by compliance category. Catbird provides evidence and assurance of control that can be used to assert compliance against PCI DSS, FISMA, HIPAA and other compliance standards.

Catbird

Catbird is a pioneer and leader in software-defined security for virtual infrastructure. Catbird's software suite of products was designed from the ground up to provide visibility into and protection of private clouds and virtual Data Centers, and is available for both VMware and OpenStack.

Catbird Secure provides:

- **DC/Cloud team:**
 - Assurance that all new virtual assets are flagged and secured by default
- **Network team:**
 - Virtual security controls provide more flexibility and fewer networking constraints within the Data Center or cloud
 - Ability to enforce micro-segmentation
- **Application owner:**
 - Knowledge that applications run smoothly while secure
- **Security and compliance team:**
 - Assurance security policies are enforced at all times across the virtual fabric
 - Alerting of potential security incidents in the virtual infrastructure
 - Detailed and real-time compliance reporting
 - Ability to conduct enterprise-wide security monitoring and analytics through SIEM integration

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