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VCE™ TECHNOLOGY ALLIANCE PARTNER PROGRAM PARTNER BRIEF

Just as VCE offers scalable infrastructure solutions, Catbird® offers an innovative, extensible virtual security solution. Catbird 6.0 delivers cross-platform network security control integration, providing a single pane of glass for visibility, control, and policy consistency across private and hybrid clouds. Catbird is the perfect complement to VCE Vblock® Systems, bringing the power and agility of the cloud to security and compliance enforcement. It transforms dynamic, self-scaling environments into compliance-aware and precisely controlled systems through policy-based security, continuously monitoring and measuring activity against requirement frameworks, and providing evidence of control that can be used to attain and maintain regulatory compliance. Catbird is a VCE™ Technology Alliance partner. Catbird 6.0 has been certified as Vblock® Ready. This partnership establishes a sales referral relationship with Catbird and VCE. VCE currently does not resell Catbird products.

Catbird Overview

Catbird is a software solution built on a highly distributed architecture and integrated with virtual switch and hypervisor application programming interfaces (APIs). The entire product is managed via a single processing hub. Catbird orchestrates a majority of the SANS Institute top 20 network security controls and ensures that policy is consistently applied to all virtual machines (VMs) from inception to retirement, regardless of changes to VM or virtual network configuration.

Catbird features and capabilities include:

- Technical security controls, including IDS/IPS with emerging threat intelligence, Netflow, vulnerability scan, SCAP Configuration Scan, Network Access Control (NAC), virtual infrastructure monitor, firewall policy management.
- Automatic asset detection, workload isolation and segmentation with Catbird TrustZones.
- Seamless integration with VMware firewall and Cisco Virtual Security Gateway (VSG) firewall.
- Continuous monitoring and validation of security control configurations, plus optional enforcement options.
- Real-time virtual network visibility, flow analysis, mitigation of deficiencies, and reporting on compliance posture 24x7x365.
- Rich UI and web-based management portal.



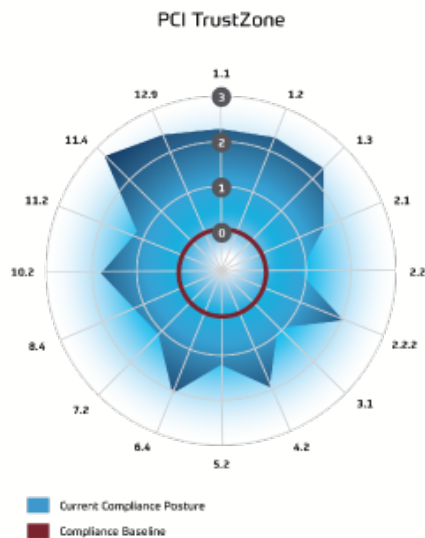
Available through the VCE Technology Alliance Partner (TAP) Program to partners whose solutions are certified as interoperable with Vblock Systems.

Certification verifies:

- Basic software installation on Vblock Systems with no errors.
- Selected and representative test cases demonstrating the functions and features as claimed on Vblock Systems.
- No observable performance degradation for running on Vblock Systems.
- Primary integration points (e.g., APIs, SNMP) function as intended.
- Ability to assure customer that solutions are tested and will work predictably on Vblock Systems.



Figure 1: PCI TrustZone graph illustrating near real-time compliance posture measured against PCI DSS framework for virtual security controls.



Catbird performs four functions:

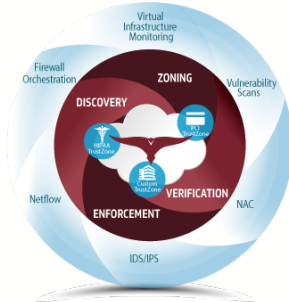
- Automates asset discovery across physical and virtual infrastructure.
- Segments virtual assets into Catbird TrustZones[®], protecting them from inception to retirement.
- Continuously verifies network security control configurations.
- Enforces policy to mitigate threats.

Catbird complements Vblock Systems by:

- Accelerating adoption of virtualized infrastructure with deployment of a wide variety of technical controls pre-bundled and preconfigured or, optionally, integrating with customer's predeployed security tools.
- Enabling consistent application of security and compliance policies across hypervisors (VMware ESX, KVM OpenStack) and software-defined networking (SDN) architectures (VMware NSX, Cisco ACI).
- Providing preconfigured compliance frameworks mapped to specific standards as published by regulatory organizations (e.g., PCI, HIPAA, FISMA).
- Producing an audit trail and evidence of control, greatly reducing preparation time and cost.



Figure 2: Catbird's native network security controls, four functions, and sample TrustZones.



Benefits to Vblock Systems customers:

- Visibility and security control across virtual network and hypervisors.
- Ability to maintain consistent security and compliance policies across private or hybrid cloud.
- Comprehensive network event data and visualizations supporting governance, risk management, compliance (GRC), security information, and event management (SIEM) programs.
- Easy to attain, maintain, and prove compliance as required in virtual systems.
- Integrated security console and management dashboard.

Contact Information

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ABOUT VCE

VCE, formed by Cisco and EMC with investments from VMware and Intel, accelerates the adoption of converged infrastructure and cloud-based computing models that dramatically reduce the cost of IT while improving time to market for our customers. VCE, through the Vblock Systems, delivers the industry's only **fully integrated and fully virtualized cloud infrastructure system**. VCE solutions are available through an extensive partner network, and cover horizontal applications, vertical industry offerings, and application development environments, allowing customers to focus on business innovation instead of integrating, validating, and managing IT infrastructure. **For more information, go to vce.com.**



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