

The Cybersecurity IT Security & Audit Scorecard

A proactive approach to measuring security and compliance



Ultimately there are two questions CISOs are asked by their executive team; **“Are we secure?”** and **“What are the risks?”** Can you accurately answer these questions? Do you understand the maturity of your organization’s security posture today and what you need to do to strengthen it? Can you identify security gaps and quickly reduce risk by closing those gaps? To truly address and mitigate security risk you need a zero-gap endpoint security platform to help you;

- Continuously monitor and measure the effectiveness of existing security controls,
- Identify new areas within your security environment that need to be addressed to meet policy,
- Immediately gain a true measurement of your security posture to report to your board,
- See every threat, stop the most attacks, close security gaps, and maintain continuous compliance.

The Cb Endpoint Security Platform is a lightweight, proven next-generation endpoint protection platform that helps you maintain continuous compliance with the security controls required by IT security auditors. The solution provides you with a positive security approach and the visibility needed to multiply the effectiveness of existing compliance and security tools, minimize your organization’s attack surface, and give you the critical information needed to address security risk with your board.

THE CARBON BLACK SECURITY & COMPLIANCE SOLUTION

<i>Required to prove both compliance and security with the following controls</i>	<i>Manage risk with zero-gap endpoint protection Cb Endpoint Security Platform</i>
POLICY ENFORCEMENT & REMEDIATION	ENFORCE POLICY INSTANTLY
THREAT PREVENTION & REPORTING	GAIN REAL-TIME VISIBILITY
PATCH & VULNERABILITY MANAGEMENT	LOCK DOWN IN-SCOPE ASSETS
ASSET INTEGRITY MONITORING	PREVENT UNWANTED CHANGE
SOFTWARE ASSET ANALYSIS	PROVE ASSET INTEGRITY

DATA GROWTH AND COMPLEXITY OF SYSTEMS IS DECREASING PCI ATTAINMENT AND AFFECTING IT AUDIT SUCCESS



OF THE PAYMENT BREACHES INVESTIGATED BY VERIZON OVER THE LAST 10 YEARS, NOT A SINGLE ORGANIZATION WAS COMPLIANT WITH PCI DSS AT THE TIME OF THE BREACH.

- 2015 VERIZON PCI COMPLIANCE REPORT

THE CB ENDPOINT SECURITY PLATFORM

Zero-gap endpoint protection

Measure, manage and mitigate security risk

- Effectively address security risk to board
- Set goals to strengthen security posture
- Continuously measure to security goals
- Identify gaps and reduce risk

Maintain continuous compliance

- Consolidate endpoint security agents
- Nearly eliminate manual compliance steps and control clutter
- Gain more PCI DSS coverage with direct and compensating controls
- Pass assessments no matter when they occur

Stop the most attacks

- Prevent all forms of file-based attacks
- Stop next-generation attacks
- Leverage the Cb Collective Defense Cloud
- Get full analysis: behavioral, reputation, AI, and ML

See every threat, close security gaps

- Get complete visibility into blocked attacks
- Remediate through a single pane of glass
- Quickly contain and clean up problems
- Remove unwanted items

USE CASES: CARBON BLACK VALUE TO PCI SECURITY AND COMPLIANCE CONTROL



Replace AV and retain compliance for all systems



Provide support and compliance check on unsupported systems



Consolidate host-based threat protection applications



File integrity monitoring and control for policy enforcement



Speed up time to successful audit



Confirm security awareness training

CARBON BLACK'S APPROACH TO EXECUTIVE SCORECARDING

1. Software asset analysis

CB Protection automatically creates a complete inventory of applications and files on every system. This information combined with the Cb Collective Defense Cloud data, and IT trust data helps you proactively monitor enterprise systems.

- Easily sift out any untrustworthy activity
- See all activity across the enterprise, control assets, and enforce compliance

2. Asset integrity monitoring

A critical part of any audit is providing evidence and artifacts regarding any changes to critical assets, including the rationale for any such change. Cb Protection provides real-time, out-of-the-box business intelligence.

- Maintain a protected record of change and how it corresponds to trust policies and requirements
- Identify the presence or absence of vendor-supplied security patches
- Regulate use of USB ports and removable devices

3. Patch & vulnerability analytics

To achieve PCI DSS Requirement 6, a process to identify vulnerabilities and assign risk rankings to all "high-risk" and "critical" vulnerabilities must be established and patches must be installed on all systems -both supported and unsupported. A traditional scanned-based system calculates these rankings manually which is subject to human error. Carbon Black uses real-time assessment vulnerability analysis and response capabilities delivered via the Cb Collective Defense Cloud.

- No reliance on manual updates, covers unsupported elements of a system, i.e., Windows XP
- See the entire kill chain in seconds

4. Threat prevention & reporting

Over-reliance on scanning is an operational norm and a challenge many organizations face. As malware evolves, scanning is increasingly ineffective, provides volumes of non-actionable data, and leads to increased use of resources for little or no gain. Carbon Black covers all network assets, including third-party elements to help identify and mitigate vulnerabilities in these areas.

- Real-time monitoring and threat intelligence delivered via the Cb Collective Defense Cloud
- Real-time enforcement engine with endpoint and network integration

5. Policy enforcement & remediation

With Carbon Black you can distribute and enforce compliance policy and, have mechanisms in place to inform end users of established policies and have a complete audit trail to prove compliance awareness is addressed

- Prevent unauthorized software or change configurations
- Automate process workflow and repository to store and produce policy compliance

The Cb Endpoint Security Platform is a complete next-generation endpoint solution that will catapult your security forward by delivering visibility, detection, response, and protection capabilities on every endpoint. Carbon Black provides the actionable business intelligence required to effectively communicate risk to your board. Use out-of-the-box reports to build a Cb cybersecurity scorecard to:

- Improve cyber security posture
- Increase corporate accountability
- Increase credibility and transparency
- Improve awareness of cyber security across the business
- Justify resource investment and prioritization
- Accelerate corporate efforts on risk reduction
- Reduce corporate liability at all levels

About Carbon Black

Carbon Black designed the most complete next-gen endpoint-security platform, enabling organizations to stop the most attacks, see every threat, close security gaps, and evolve their defenses. The Cb Endpoint Security Platform helps organizations replace legacy antivirus technology, lock down systems, and arm incident response teams with advanced tools to proactively hunt down threats. Today, Carbon Black has more than 2,000 worldwide customers, including 25 of the Fortune 100.

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1100 Winter Street, Waltham, MA 02451 USA
P 617.393.7400 F 617.393.7499 www.carbonblack.com