

Cb Protection

Manage Risk with Application Control and Critical Infrastructure Protection

Security experts including the FBI, the Department of Homeland Security, Gartner and NIST all agree – application control is the best security strategy for critical systems in high risk environments. Cb Protection is a proven, widely deployed and easy to manage application control solution. With Cb Protection, you can establish automated software controls and protection policies that completely lock down your corporate assets, intellectual property and regulated data.

“Use application control and whitelisting as the cornerstone of your server protection strategy, not signature-based anti-malware.”

— Gartner, *How to Devise a Server Protection Strategy*

Cb Protection is a powerful positive security solution for data centers and critical systems that allows server admins to control change while consolidating agents. Using a ‘Default Deny’ approach, Cb Protection reduces your attack surface and downtime by automating approval of trusted software and eliminating the burden of whitelist management.



LOCK DOWN CRITICAL SYSTEMS

Cb Protection combines application control, file integrity monitoring, device control and memory protection in one agent to effectively lock down your systems. This approach stops malware and non-malware attacks by preventing unwanted changes to your applications and files, providing you with the control over your environment that you need. Cb Protection stops all file-based and next-gen attacks that use obfuscated malware as well as memory-based, and script-based techniques. You can also stop Powershell-based attacks using our Powershell Protection Rapid Config.

Cb Protection ensures comprehensive critical system protection for new and legacy systems – including those no longer supported by their manufacturers such as XP, XP embedded and Server 2003 - even in geographically diverse locations.



CLOUD-POWERED SECURITY

Cb Protection leverages the Cb Predictive Security Cloud (PSC), Carbon Black's converged endpoint protection platform. The PSC is an extensible platform that delivers next-generation endpoint security services using one sensor, one data set, and one cloud-based console.

For Cb Protection users, the Cb Predictive Security Cloud delivers crucial threat intelligence and reputation data, provides automatic approvals and updates that you can trust. This allows software deployed by your IT team to be automatically approved while empowering organizations with limited resources to focus on the most critical security issues.

Carbon Black.

BENEFITS

- Stop attacks by allowing only approved software to run
- Automate software approvals and updates via IT and cloud-driven policies
- Prevent unwanted change to system configuration at the kernel and user mode levels
- Power device control and file integrity monitoring and control (FIM/FIC) capabilities
- Stops malware and next-gen attacks
- Meet IT risk and audit controls across major regulatory mandates
- Replace inadequate security controls and consolidate endpoint agents
- Streamline regulatory and IT audit processes Increase efficiency of IT resources
- Minimize unplanned downtime of critical systems
- Protect vulnerable legacy systems

USE CASES

Reduce risk by locking down your critical environments.

- Corporate desktops, laptops
- Point-of-sale terminals
- ATM machines
- Industrial Control Systems (SCADA)
- Medical devices
- Domain controllers
- Financial trading platforms
- Email and web application servers
- VDI environments
- Card data environments (CDE)
- Unsupported systems
- Fixed-function devices



ENSURE CONTINUOUS COMPLIANCE

Cb Protection helps you achieve compliance with standards required by major regulatory bodies. Compliance depends on the ability to continuously monitor your assets, track and enforce your change-control policies and measure any deviation from your desired baseline. With Cb Protection, your organization can enforce the integrity of your deployment configurations, continuously monitor critical-system activity, assess compliance risk and achieve compliance for end-of-life systems. This helps maintain continuous compliance with numerous regulatory standards and frameworks, such as PCI-DSS, HIPAA/HITECH, SOX, NERC CIP, GDPR and NIST 800-53.



HIGH PERFORMANCE AND LOWEST TOUCH APPLICATION CONTROL

The key to effectively locking down systems is the ability to do it easily and at scale. Your security solution should be both high-performance and low touch. You need to be confident that your solution is blocking the “bad” and allowing the “good” to run, while not interrupting your day-to-day business operations.

Cb Protection is designed specifically with these objectives in mind—protection and ease of use. Cb Protection utilizes your own IT expertise and the Cb Predictive Security Cloud to provide automatic approvals and updates that you can trust. This allows software deployed by your IT team to be automatically approved.

With our rapid configuration feature set, created from our user experiences, you can leverage pre-built templates for most critical systems including Domain Controllers, Exchange Servers, and SQL Servers. We also provide rapid configs that protect against ransomware, Microsoft Office exploits, browser-based attacks and PowerShell misuse.

Cb Protection’s file detonation allows you to automatically analyze and block any newly arriving, high-risk files before they can damage your systems. Our integrations with software management systems like IBM BigFix and Microsoft SCCM, ensure that our software is easy to deploy and manage. These features give your organization fast time-to-value, low-touch management and improved system performance.

LEADING ENTERPRISE-GRADE SOLUTION

Cb Protection achieved a Security Effectiveness rating of 100.0% in an independent test conducted by NSS Labs in 2017. More than 3700 organizations, including 33 of the Fortune 100, rely on Carbon Black. With over 13 million licenses sold, and more than 75 of the world’s leading incident responders and managed services providers using Carbon Black as part of their security services, Carbon Black offers a leading solution that is a top choice to eliminate risk, maximize uptime and exceed regulatory controls.

ABOUT CARBON BLACK

Carbon Black is a leading provider of next-generation endpoint security. Carbon Black serves more than 3,700 customers globally, including 33 of the Fortune 100. As a cybersecurity innovator, Carbon Black has pioneered multiple endpoint security categories, including application control, endpoint detection and response (EDR), and next-generation antivirus (NGAV). Leveraging its newly introduced big data and analytics cloud platform – the Cb Predictive Security Cloud – Carbon Black solutions enable customers to defend against the most advanced cyber threats, including malware, ransomware, and non-malware attacks. Deployed via the cloud, on premise, or as a managed service, customers use Carbon Black solutions to lock down critical systems, hunt threats, and replace legacy antivirus. For more information, please visit www.carbonblack.com or follow us on Twitter at [@CarbonBlack_Inc](https://twitter.com/CarbonBlack_Inc).

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CUSTOMER SUCCESS STORY

Industry: Financial

Systems: 50,000

After implementing Cb Protection, one customer went over 33 months with no malware, and reduced management time to less than one approval request per week.

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Application whitelisting is one of the best security strategies because it allows only specified programs to run while blocking all others.”

— FBI & DHS Russian Cyber Activity Joint Analysis Report

REQUEST A DEMO:

Contact us today to schedule a demonstration.

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