Cb Predictive Security Cloud™

Cloud-Based Endpoint Security
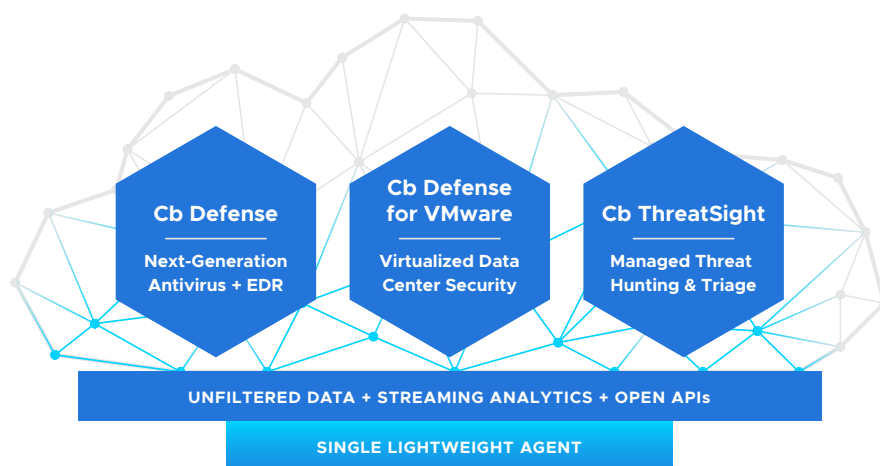
Traditional Endpoint Security is Broken

There is no question cybercrime is undergoing a period of explosive growth, and traditional vendors simply aren't keeping up with new threats. Malware signatures and behavioral rules are inherently reactive, blocking only what's been seen before.

Furthermore, every time a wave of new threats arises, security professionals scramble to evaluate new products, resulting in too many layers on the endpoint, none of which do enough of the job. Security staff are stretched to the limits trying to manage all those layers and the problems they create.

The Future of Cybersecurity: Big Data and the Cloud

To address the continual evolution of new threats, endpoint security solutions can no longer rely solely on known attack patterns. Instead, they must be able to uncover new attack trends hidden among the tens of billions of events happening on computers across the world every day.

This is why endpoint security must move to the cloud, where it can apply big data analytics to the real-time event streams of every endpoint under management. By analyzing endpoint activity from all around the world, an endpoint security solution can make predictions about — and provide protection against — current, future, and unknown attacks.

Cb Defense
Next-Generation
Antivirus + EDR

Cb Defense for VMware
Virtualized Data
Center Security

Cb ThreatSight
Managed Threat
Hunting & Triage

UNFILTERED DATA + STREAMING ANALYTICS + OPEN APIs

SINGLE LIGHTWEIGHT AGENT

The Cb Predictive Security Cloud

The Predictive Security Cloud (PSC) is Carbon Black's converged endpoint protection platform that delivers next-generation security services through the cloud.

Predict

Analyze current and historical facts to make predictions about future or otherwise unknown events.

Benefits

- Converged prevention, detection, and response

- Extensible, cloud-delivered security platform

- Single, lightweight agent

- Easy to deploy, configure, and use at enterprise scale

- Secure cloud infrastructure and monitored cloud operations

- Optimized for VMware virtualized data centers

- Open APIs for integration with existing tools

- 24x7 managed threat hunting services

How the Predictive Security Cloud Proactively Identifies Threats

1	2	3	4	5	6	7
Collects unfiltered event data from protected endpoints	Enriches data with threat intel from multiple sources	Uses *event stream processing* to apply TTP tags to common attacks	Applies predictive models to identify attack clusters	Leverages ongoing analysis to identify new TTPs never before seen	Continuously optimizes to improve efficacy and reduce false positives	Provides full context to enable effective and efficient response

Better Protection

At the core of the Cb Predictive Security Cloud is a big data engine that collects and analyzes more data than any other solution to deliver the strongest protection from both known and unknown threats. The PSC is always being enhanced with new security techniques so you can get ahead of emerging threats without having to deploy new technology.

Simplified Operations

The Cb Predictive Security Cloud offers a converged set of security services through a single lightweight sensor, making it easy to add new capabilities whenever you need them. The PSC's simple, cloud-based console is easy to deploy, configure, and use, and has more than 125 integrations with SIEM platforms, threat intelligence, and network security products that help you get more value from your existing security investments.

More Power for Your Team

Users have access to real-time operations tools embedded within the PSC user interface, so they don't need to rely on other teams or tools to take critical actions. Additionally, with Cb ThreatSight's expert threat hunters keeping watch over your endpoints 24x7, and 10,000 security experts across the globe in Carbon Black's online User Exchange community, you can rest assured that your team has access to all the expertise they need.

Learn more about the Cb Predictive Security Cloud at carbonblack.com/PSC.

The Best Data Delivers the Best Protection

Data drives security. The Cb Predictive Security Cloud applies highly differentiated and unique data processing techniques to predict new threats and deliver the best protection possible.

Unfiltered Data Collection

Other endpoint security solutions filter the data they collect in the cloud to just data related to threats that have already been detected. The PSC takes a different approach, sending all endpoint data to the cloud, unfiltered. This allows the predictive engine to analyze and predict threats that have never been seen before.

Streaming Analytics

Based on proven *event stream processing* technology, the PSC uses streaming analytics to continually identify threat indicators and patterns that are invisible to other approaches. Streaming analytics uses a combination of behavioral analytics, machine learning, reputational analytics, and other sophisticated data processing algorithms to predict unknown threats and attacks.

Carbon Black.