CARBON BLACK
ARM YOUR ENDPOINTS

CYPHORT™

SOLUTION BRIEF

Deploying Cyphort's Adaptive Detection Fabric with Carbon Black

Key Benefits

- Reduce effort, time, and cost of remediation
- Assess the actual risk of malware by learning its execution state
- Protect remote users by extending advanced threat defense in and outside of the organizational perimeter
- Improve security by identifying and blocking malware early in its lifecycle

Unparalleled Advanced Threat Defense

As cyber criminals and their attack strategies outpace traditional block/prevention techniques, it challenges cyber security efforts worldwide.

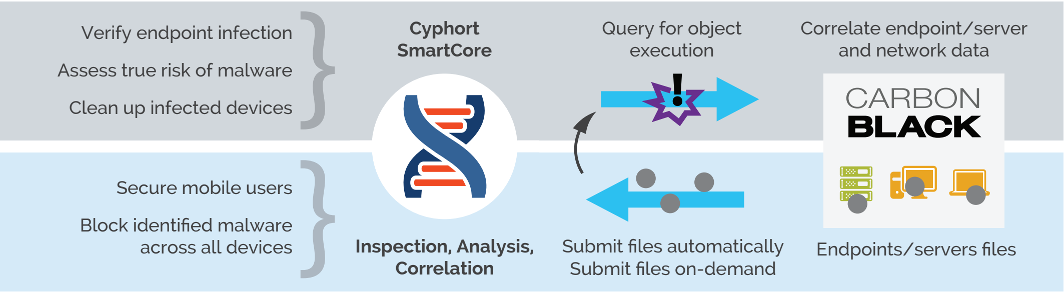
A layered security approach is necessary to help quickly detect and protect organizations from these dangerous threats. A combination of best-of-breed endpoint and network-based solutions provides the best protection from advanced, otherwise undetectable threats. However, to unlock the true potential of these two types of solutions, Cyphort and Carbon Black have come together with an integrated solution to defend against advanced threats. The fully integrated, best-of-breed offering combines Cyphort's network-based Adaptive Detection Fabric approach with Carbon Black's next-generation endpoint and server security solution, enabling organizations to deploy comprehensive protection against advanced attacks across network and endpoint assets.

This joint offering provides integration with two Carbon Black products: Carbon Black Enterprise Protect and Carbon Black Response. Carbon Black technology seamlessly integrates with Cyphort's Adaptive Detection Fabric, enabling bi-directional sharing of threat data.

As Cyphort detects malware on the network, Carbon Black Response can determine where the detected malware landed, if it executed, and how many machines were affected. This real-time visibility enables security analysts to filter out non-actionable events, prioritize high-impact alerts faster, improving response times to potential intrusions.

Verify Endpoint Infections for Remediation Prioritization

The SmartCore analytics engine with the Adaptive Detection Fabric can query Carbon Black Response to determine if a malicious file was executed. By querying endpoints, Cyphort can better determine exactly where an attack sits in the kill chain and whether a download progressed by determining if the endpoint detonated the malware object, expediting targeted and accurate remediation.



Verify endpoint infection
Assess true risk of malware
Clean up infected devices
Cyphort SmartCore
Query for object execution
Correlate endpoint/server and network data
CARBON BLACK
Secure mobile users
Block identified malware across all devices
Inspection, Analysis, Correlation
Submit files automatically
Submit files on-demand
Endpoints/servers files

Secure Remote Users from Malware

Mobile users may not always be behind an organization's security controls. If these users download objects while outside the boundaries of their organization, Carbon Black software running at the endpoint can use its blacklist to allow or deny opening of the file.

However, in the case of a zero-day threat, the blacklist entry does not exist. In this scenario, Carbon Black Response can submit the file to the Cyphort SmartCore and get a verdict before allowing execution of the file and can protect the mobile user.

Block Identified Malware Object Execution Across the Organization

Cyphort works not only with Carbon Black Response but also with Enterprise Protect. Cyphort can be configured as a threat information source for both Carbon Black products. Any executable file can be sent by the Carbon Black servers to Cyphort for analysis. If Cyphort determines that the file is malicious, the Carbon Black Response and Enterprise Protect servers can then act on this information, for example blacklisting this file throughout the enterprise. Thus, additional users downloading the same malware objects will automatically be protected from malware infections.

> *"Cyphort and Carbon Black are both trusted partners with best-of- breed solutions that we rely on daily to prevent against advanced attacks, but their integrated offering has created a unique scenario for us where 1+1=3. The joint offerings enable us to understand and prioritize which attacks have the capacity to harm our business faster than before, and the fact they are sharing threat intelligence has elevated our attack prevention efforts."*
>
> Information Security Manager,
> Netflix

About Carbon Black

Carbon Black is the leading provider of next-generation endpoint security solutions that enable organizations to disrupt advanced attacks and deploy what they believe are the best prevention strategies for their business. The company leverages the expertise of 10,000 security experts from IR firms, MSSPs, security-focused VARs, and enterprise customers. Applying this knowledge creates a Collective Defense that shifts the balance of power from attackers back to security teams by breaking down barriers and enabling security professionals to collectively analyze attacks, determine the cause, and share threat intelligence. Carbon Black Response continuously records and centrally retains all endpoint activity, making it easy to track an attacker's every action, instantly scope every incident, and unravel entire attacks. Carbon Black also offers a range of prevention options so organizations can match their endpoint defense to their business needs. Forward-thinking companies choose Carbon Black to arm their endpoints, enabling security teams to Disrupt. Defend. Unite™. For more information, please visit www.carbonblack.com.

About Cyphort

Cyphort, Inc. is a network security company providing mid- and large-size enterprise customers with the innovative Adaptive Detection Fabric, a scalable software solution designed to integrate with existing security tools to discover and contain the advanced threats that bypass the first line of security defense in an organization. Based in Santa Clara, California, the company was founded in 2011 and distributes its software through direct sales and channel partners across North America and international markets. Learn more at www.cyphort.com.