CYLANCE

Next-Generation **ANTIVIRUS** for Government

Government agencies are prized targets. For attackers who dare, no target is more prized when it comes to bragging rights than government agencies. Elite cyberteams execute relentless state-sponsored attacks, resulting in massive data breaches and compromised systems. Hardening government assets to thwart cyberattacks requires a new model of threat prevention.

CylancePROTECT®

CylancePROTECT is a next-generation antivirus product that redefines what antivirus can and should do for government agencies by leveraging artificial intelligence to detect AND prevent malware from executing on every endpoint in real time.

The fundamentals of malware detection have remained the same for more than three decades. In the face of constant innovation from attackers, traditional antivirus vendors continue to focus on aging technologies that use signatures and post-attack behavior analysis to protect computers. A new approach is required.

Algorithmic science and machine learning are fundamentally shifting the equation, offering new ways to effectively identify, diagnose, categorize and control the execution of every file. Cylance® is leading this revolution with predictive and preventive products such as CylancePROTECT.

CylancePROTECT is a simple, lightweight agent that offers complete protection from system- and memory-based attacks, spear phishing, zero-day malware, privilege escalations, scripts and malicious and potentially unwanted programs, all without the high false positive rates, operational overhead and management complexity of other solutions. With CylancePROTECT, it's now possible to set and meet much higher standards for endpoint security. We stop the threats that others can't, and we do it without daily updates or requiring an Internet connection.

Cylance Professional Services

Complimenting Cylance's revolutionary technology product is a set of professional services that provide pre-attack penetration and vulnerability testing, compromise assessments and post-attack incident response. Cylance's expert professional services team blends deep experience with critical infrastructure and the company's leading technology to deliver an unrivaled level of service and protection. These critical infrastructure-focused services are designed to provide total endpoint security, free up IT resources, consolidate security costs and prevent cyberattacks before they execute instead of just detecting them after they have already caused harm.

Case Study: Government Agency Deploys Preventive Measures

The Situation

Nation states and organized criminal organizations employ elite hacker teams that can attack an agency around the clock with advanced persistent threats and malware. Guarding against these attacks can be a costly and resource-intensive endeavor, but the cost of a successful breach can be far worse, effecting critical infrastructue, public trust, and in some cases, even resulting in the loss of human life.

The Process

Cylance deploys and monitors CylancePROTECT on all systems. CylancePROTECT identifies and blocks malware that has gone undetected by traditional antivirus solutions. CylancePROTECT immediately quarantines malware potentially unwanted programs already present on agency systems. CylancePROTECT typically uncovers multiple varients of CryptoLocker and other ransomware as well as advanced threats designed to steal credentials and other personally identifiable information. Cylance also can perform a full Compromise Assessment on all servers, desktops and laptops across all global hosts. Combining both its artificial intelligence technology and compact process, Cylance is able to extract insightful data from all hosts in just a matter of days using a lightweight endpoint agent that reports meta data back to Cylance. With the data outside the agency's environment, Cylance incident analysts aggregate and analyze it for idiosyncrasies and abnormalities. At this point, Cylance can quickly identify the initial source of a targeted breach and immediately take the steps necessary to ensure the breach is secured, and does not occur again.

The Results

Using indicators that are gathered during data collection, Cylance's cybersecurity experts are able to dig into specific systems looking for precisely the threats that have not been found by the agency's existing antivirus solutions. Agencies get a product that prevents existing and future threats from ever executing and a support team consisting of the most experienced experts in the cybersecurity industry.

Cylance Privacy Commitment

Cylance is committed to protecting your organization against advanced threats, which includes privacy disclosure. We do not publish the names of our case study partners for this reason.

Free Consultation

Want to see how CylancePROTECT and Cylance Professional Services will empower your organization in the fight against cyberattacks? Contact us today for a free consultation!

About Cylance:

Cylance is the first company to apply artificial intelligence, algorithmic science and machine learning to cybersecurity and improve the way companies, governments and end-users proactively solve the world's most difficult security problems. Using a breakthrough predictive analysis process, Cylance quickly and accurately identifies what is safe and what is a threat, not just what is in a blacklist or whitelist. By coupling sophisticated machine learning and artificial intelligence with a unique understanding of a hacker's mentality, Cylance provides the technology and services to be truly predictive and preventive against advanced threats. For more information, visit cylance.com

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