



**HACKING DETECTED**

**RISK ALERT**

# Endpoint Protection / Next-Gen Antivirus

Powered by  **CYLANCE™**



**BAI SECURITY**

**Leveraging artificial intelligence, algorithmic science and machine learning to solve the world's most difficult security problems**



**CylancePROTECT® is a Next-Generation Antivirus (NGAV) product that redefines what antivirus (AV) can and should do for your organization. This AV leverages artificial intelligence to detect and prevent malware from executing on your endpoints in real-time.**

## Times Have Changed

The cybersecurity industry is always changing, yet the fundamentals of malware detection have remained the same for more than three decades. In the face of constant innovation from attackers, 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 like CylancePROTECT, which define NGAV.

## Relentless Attacks

Traditional, signature-based endpoint security solutions are failing to protect enterprises from today's advanced threats. Cyber adversaries are sophisticated, well-funded and highly motivated. Rather than re-using the same recycled threats to target servers of interest, they're developing custom-crafted or modified malware to deliver targeted threats to vulnerable endpoints and susceptible users. They're then using those infected endpoints as beachheads for compromising systems and siphoning out stolen data.

By simply changing a few bytes of code using an off-the-shelf toolkit, these hand-crafted threats sail past traditional signature-based defenses as if they're not even there.

## The Solution

Cylance's patented artificial intelligence and machine learning based platform is changing the way enterprises defend their endpoints against common and advanced threats. At its heart is a massively scalable, cloud-based data processing system capable of generating highly accurate mathematical models for data evaluation at exceptionally rapid rates.



## Key Elements of CylancePROTECT Include:

- **Automated static code analysis** – Dormant and non-active code should be blocked prior to its ability to execute. Cylance extracts millions of unique characteristics from potentially hazardous files and determines their intention, then takes the appropriate action.
- **Execution control** – Detection of all files should be coupled with the ability to control the object in real-time. Cylance evaluates objects in less than 100 milliseconds, allowing us to block malicious objects.
- **No daily updates** – Unlike other traditional security solutions, there's no need to constantly download new file signatures or worry that detection doesn't flag a threat when you miss a day's worth of updates.
- **No connectivity requirements** – CylancePROTECT operates autonomously, classifying threats using its entirely disconnected agent. This is imperative for air-gapped networks used in industrial control systems and low-bandwidth networks used by retail point of sale systems, branch offices and remote employees.
- **Non-disruptive** – The appropriate protection architecture should be invisible to users and easy to deploy and manage for administrators. The CylancePROTECT agent is small and typically uses less than 1% of CPU.
- **Contextual visibility** – In addition to predictive, proactive detection and blocking, the Cylance management console collects data that provides the full context of attacks for analyst and incident response intelligence.

Some vendors already claim to offer next-generation antivirus technology. Yet CylancePROTECT is the first and only product that is both highly effective in blocking threats and has a low impact on users. This NGAV offers better detection and protection while seamlessly fitting into normal company operations.

## The Effects of Data Breaches

- Loss of sensitive personal information has hit healthcare the hardest, with finance and banking following close behind. Meanwhile, attacks on utility and energy, insurance, education, retail and government agencies is on the rise.
- The cost per compromised record is high and continues to climb.
- Many small and medium sized businesses that suffer data breaches go out of business within 6 months.
- Beyond tangible costs, data breaches also have less obvious effects including damage to the reputation, morale, and stock value of a business.



## Why Use BAI Security?

- BAI Security is leading the detection revolution with predictive and preventive products like CylancePROTECT.
- Cylance was able to detect and block more than 99% of all malware samples tested, including modified versions that snuck past Symantec, Trend Micro and McAfee.
- CylancePROTECT is the only endpoint threat prevention solution on the market that leverages the power of algorithmic science and artificial intelligence to detect known and customized malware plus zero-day threats — all without signatures and IP/URL blacklists.
- BAI Security provides services to high-profile companies, as well as a multitude of organizations in both regulated and non-regulated industries

**To See a Demonstration, Contact Us Today**

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