

WEBSense SECURITY LABS



WebSense® Security Labs™ discovers and investigates today's advanced Internet threats and publishes findings to hundreds of security partners, vendors, law enforcement agencies, military, and other organizations around the world 24 hours a day, seven days a week. With operations in the Americas, Europe, and Asia Pacific, our customers rely on WebSense to deliver comprehensive protection against known and emerging threats.

WebSense Security Labs is a recognized leader in Web security research. For more than five years, WebSense has been dedicated to researching Web-based threats. Unlike other research labs, WebSense is focused on detecting new threats that traditional security research methods miss.

WebSense Security Labs
– The first to detect and
the first to protect against
malicious threats

WEBSense SECURITY LABS FIRSTS

- **Pioneer in Emerging Threat Protection**
- **First to Market**
 - Phishing protection
 - Drive-by and backchannel spyware protection
 - Bot network protection
 - Crimeware/keylogger protection
- **Developed Patent Pending ThreatSeeker™ Technology**
 - First to pioneer Web attack identification with Web classification and security intelligence
 - First to develop HoneyJax, the next phase of Web security intelligence which finds security attacks launched within Web 2.0 applications

As an innovative leader in the security community, WebSense Security Labs has established formal and informal partnerships with security researchers, law enforcement agencies, and security consortiums to collaborate and share information to protect the public from Web-based malicious code attacks.

WebSense ThreatSeeker Technology

WebSense Security Labs developed ThreatSeeker technology to discover, investigate, classify, and protect organizations, employees, and data from known and emerging threats. As the foundation for the WebSense security software portfolio, ThreatSeeker technology provides security intelligence to defend against Trojan horses, Phishing, Pharming, keylogging, P2P, and malicious Web sites. Along with PreciseID™ technology, ThreatSeeker technology discovers whether information-stealing malicious code contains confidential or proprietary information.

Four Pillars of WebSense Security Labs

Discover and investigate Internet threats including malicious code and phishing

Research and **Classify** threats

Publish timely product and information updates to customers and the security community

Immediately **Protect** customers from Web-based threats

WebSense ThreatSeeker technology enables our products to protect against the rapidly changing Web threat environment:

- Real-time security updates available every five minutes
- Scours over 600 million Web sites per week to find malicious code before it reaches customers
- Mines more than 90 million Web sites every 24 hours
- Scores more than 7 million new domains every 24 hours
- Analyzes one terabyte of data each day

How It Works

ThreatSeeker uses a variety of techniques and technologies to proactively identify new emerging and existing threats and block them before they can infect an organization's computers—even before patches and signatures are created.

- **Web Data Mining** searches for sites that contain known infections or have attributes or activities that are highly suspicious. Information is collected and stored in the WebSense Master Database for download by customers for proactive protection against impending exploits.
- **Honeypots** monitor and track the evolution of a particular attack and how it evolves to help identify phishing and pharming attacks, malicious code attacks, and spyware.
- **Honeyclients** find infected sites and notify WebSense customers. ThreatSeeker boasts the largest honeyclient infrastructure in the world.
- **HoneyJax** mimics users behavior within Web 2.0 applications to uncover and protect against threats before they spread.
- **Search Engine Poisoning** identifies whether results from popular search engines around the world are malicious. Discovery of malicious sites are updated in the WebSense Master Database on a real-time basis to prevent users from visiting infected sites.
- **Web Reputation** blocks potentially malicious Web sites before they become active on the Internet by using data mining techniques to identify trends and patterns unique to malicious Web sites.

- **WebCatcher™** categorizes new Web sites to identify potential threats by using proprietary artificial intelligence site classification software.
- **AppCatcher™** and **ProtocolCatcher** categorize and normalize applications and protocols to identify potentially dangerous applications, while still preserving the anonymity of its customers.

Benefits

Customers depend on WebSense to deliver immediate protection without heavy costs and administrative burdens.

- **Reduced Risk** – real-time updates delivered within minutes of the discovery of a new threat decreases threat exposure time
- **Accurate Detection** – accurate identification of security threats accurately results in saved time and money for IT operations
- **Preemptive Protection** – by blocking access to malicious and harmful content, WebSense delivers infection access protection and ensures network availability for critical applications, servers, network, and data
- **Global Web Security Reputation** – dedicated team of security research specialists led by recognized industry experts
- **Unprecedented Expertise** – proprietary classification software and human inspection backed by ThreatSeeker and PreciseID technologies
- **Proactive** – get an accurate picture of current Web infections before attacks have been launched to ensure protection

WebSense Security Labs Alerts

WebSense Security Labs issues security alerts for each new threat or outbreak it identifies. These alerts are issued in real-time as spyware, Phishing, Pharming, or corrupted Web site threats are identified. They feature forensic information on each attack, including how it was found, how it propagates itself, and where the attack originates. You may sign up to receive these alerts by email at www.WebsenseSecurityLabs.com/subscribe

Summary

WebSense provides preemptive protection to ensure your critical assets are protected from Web-based threats. The combination of security expertise and ThreatSeeker's accurate detection capabilities reduces false positives and ensures your systems are protected. ThreatSeeker ensures WebSense is the first to detect and the first to protect against malicious threats.

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