# Webroot® Intelligence Network

## Real-Time Protection Against Malware Infection

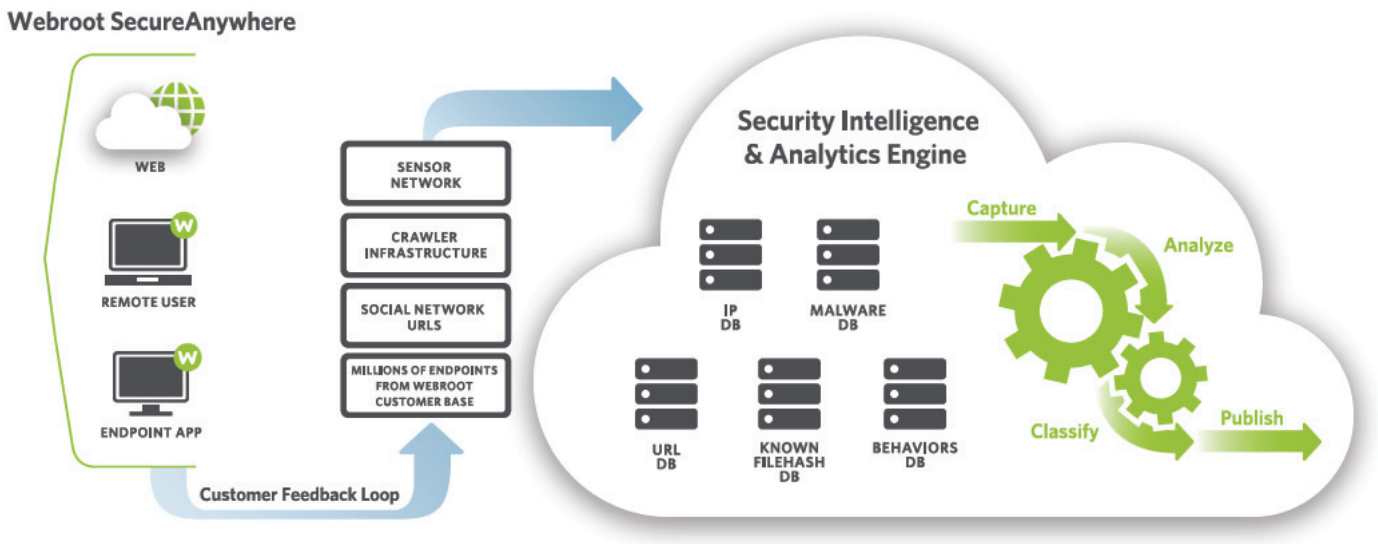
Malware is at such high levels (more than 60 million unique samples per year) that protecting an endpoint with traditional antivirus software, has become futile. More than 100,000 new types of malware are now released every day, and antivirus vendors are racing to add new protection features to try to keep their protection levels up.

But new features need even more CPU and RAM resources, which reduces performance and usability to even more unacceptable levels. The torrent of new malware is also forcing antivirus vendors to continually update their signature/protection files, with more than 5MB of updates per day being commonplace.

The underlying problem is that even with all these "advances," not every new malware exploits are detected, and machines are becoming infected. Simply put, protection using traditional malware detection techniques is no longer adequate. So many unknown infections are being distributed by cyber-criminals that everyone is at risk.

Recent global research by Webroot* revealed that 83 percent of enterprises were infected with some form of malware in the past 12 months, and other independent surveys show similar and even higher infection levels.

**A new malware protection approach is desperately needed.** The Webroot® Intelligence Network (WIN) is a key component of a revolutionary approach to next-generation malware protection. Together, WIN and Webroot is combined with Webroot's ultra-efficient endpoint agent—Webroot® SecureAnywhere™ Business - Endpoint Protection ensure that both known and... that both known and unknown infections are removed before they do harm.




**How the Webroot Intelligence Network (WIN) Works**

* Research in January 2011 by Research Now—IT decision-makers in firms 100 to 5,000 seats in the USA, UK, and Australia

### The Webroot Intelligence Network (WIN)

The Webroot Intelligence Network integrates billions of pieces of information from multiple sources—including data from customers, test laboratories, and intelligence shared between security vendors—to create the world's largest malware detection net.

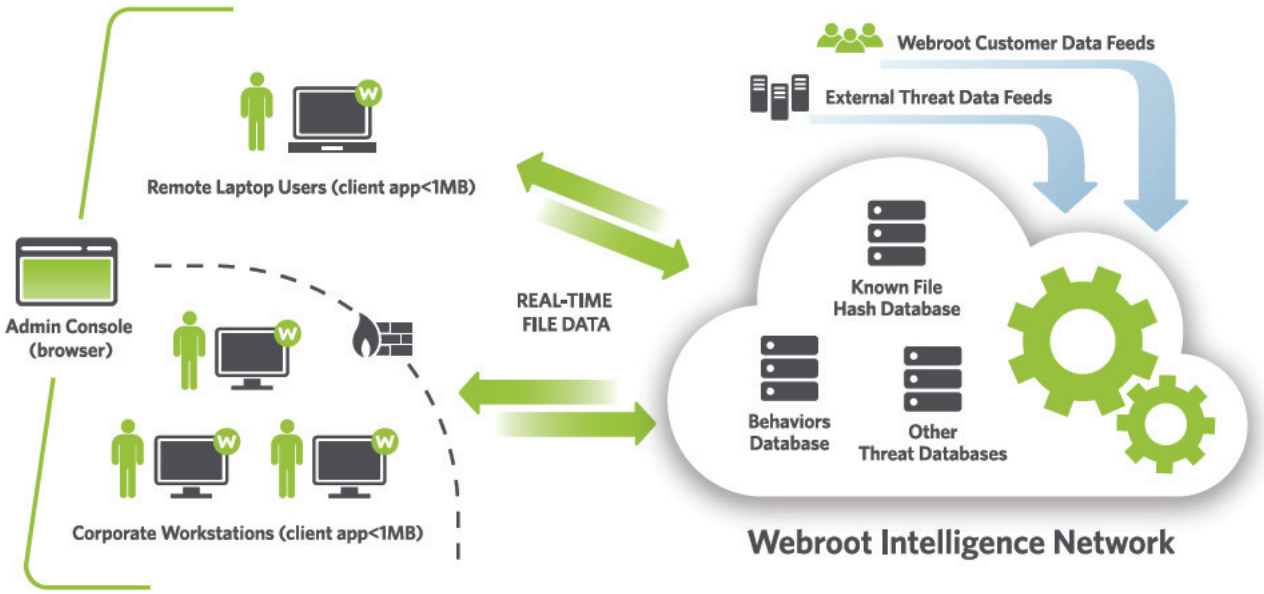
WIN incorporates Webroot's fourth-generation Phileas® malicious code identification system, as well as ENZO, our threat-processing system for categorizing every software file with intimate knowledge of more than 125 million executables, including their behavioral characteristics. WIN uses systems that let us instantly categorize files and their interactions with other files. It also uses our Webroot IP Reputation Service to track every malicious IP address on the Internet and provide accurate content classification, threat reputation, and threat vector data. These systems, along with another 50+ terabytes of threat data, ensure that the Webroot Intelligence Network is always up to date and ready to detect any new malware infections.

### The Good, The Bad, And The Unknown

Webroot® SecureAnywhere™ Business - Endpoint Protection connects with WIN through a secure firewall connection. Everything installed on a user's endpoint is identified, and the files are classified as Good, Bad, or Unknown. During the short "learning" phase, Webroot inventories everything on the user's machine, while automatically stopping bad activities and removing malware.

From the point when Webroot SecureAnywhere Business–Endpoint Protection is installed, all suspicious processes are closely monitored, analyzed, and resolved in real time. This enables Webroot to keep users safe from both known and completely new and unknown infections. Even when Webroot SecureAnywhere Business - Endpoint Protection is not connected to the Internet, it is able to function, detect malware, and take the appropriate steps to stop infections.

No approach to stopping and protecting machines from infection is perfect, however, and false positive mistakes are possible. Webroot SecureAnywhere Business - Endpoint Protection and WIN minimize these inaccuracies, even allowing a change to be reversed should files be incorrectly categorized.




**How Webroot SecureAnywhere Business - Endpoint Protection Works**

## Protection From Infection, Not Protection Through Detection

By combining the powerful cloud interrogation of WIN with a completely new endpoint, Webroot SecureAnywhere Business - Endpoint Protection is able to stop infections without needing multiple signature updates. WIN harnesses the collective community of Webroot customers to continuously refine file categorizations, even for low-level and unique malware that normally remains undetected by traditional AV methods.

This capability ensures that all Webroot endpoints are always protected against malware, including viruses, worms, Trojans, spyware, adware, bots, rootkits, and unique zero-day threats.

With advanced heuristics and behavior-based interception analyzing all files and potential threats in real time, WIN ensures that every user's window of vulnerability—the time between when a threat emerges and when users are protected —is minimized. And most important, it is this high level of protection against "unknown" malware that makes Webroot SecureAnywhere Business - Endpoint Protection so powerful when compared with every other solution.

**Webroot SecureAnywhere Business - Endpoint Protection**

Download a 30-day free trial, or request a demonstration of Webroot SecureAnywhere Business - Endpoint Protection and its intuitive web-based security policy management console at www.webroot.com.

### How is Webroot SecureAnywhere Business - Endpoint Protection different from other "cloud" antivirus solutions?

Other vendors have invested in threat intelligence networks, but they are used as bolt-on supplements to their traditional antivirus solutions. None of these systems delivers or offers the breadth of in-depth capabilities offered by WIN. WIN is architected to be an integral part of the Webroot SecureAnywhere Business - Endpoint Protection solution.

When comparing Webroot SecureAnywhere Business - Endpoint Protection with other vendors' solutions, the differences and advantages of Webroot's revolutionary new approach to infection protection quickly become clear:

1. *Webroot SecureAnywhere Business - Endpoint Protection has a footprint a footprint that is less than 1MB in size. In comparison, the nearest traditional or "cloud" antivirus solution installation file is more than 128MB, and antivirus solutions can easily use 750MB of hard disk space when fully installed.*
2. *Because of its exceptionally small installation size, Webroot SecureAnywhere Business - Endpoint Protection installs in seconds. And it doesn't require traditional AV software solutions to be uninstalled beforehand, since it doesn't conflict with their detection processes.*
3. *Webroot SecureAnywhere Business - Endpoint Protection performs ultrafast scan times—a PC scan will typically take less than one minute, so it never noticeably interrupts users or unacceptably slows down their PC.*
4. *Low PC resource usage. Webroot SecureAnywhere Business - Endpoint Protection needs only 5MB of RAM; even when scanning, it uses less than 50 percent of the CPU's resources.*
5. *Webroot SecureAnywhere Business - Endpoint Protection consumes very little bandwidth - all signature definition updating happens in the "cloud," resulting in WIN network traffic of only about 120KB per day—significantly less than bandwidth usage by other antivirus solutions.*

Together with WIN, Webroot SecureAnywhere Business – Endpoint Protection is a brand-new... is a brand-new way of protecting PCs from malware. It eliminates traditional signature-based detection and fully exploits the benefits of cloud computing and a central intelligence net. Its unique approach to preventing malware infection provides enterprises with not only the best security protection available, but also improvements to PC performance and greatly reduced management overheads.

### About Webroot

Webroot is committed to taking the misery out of Internet security. Founded in 1997, the privately held company is headquartered in Colorado and has operations across North America, Europe, and the Asia Pacific region. Start your risk free business trial from the following: **www.webroot.com/businesstrial.**

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### Next Steps

Call an enterprise product expert for a demo or free trial.
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