

# SentryBay Security Suite

The Security Suite package, developed and marketed by SentryBay, combines both the PhishLock and EntryProtect applications, each of which has been independently tested and performance validated by West Coast Labs. Carefully designed to work together with, and to supplement the capabilities of leading consumer brands such as Kaspersky, McAfee and Symantec, the SentryBay Security Suite provides protection from information and identity theft, providing an added layer of protection to that found in the leading brand products.

## PhishLock

PhishLock is an anti-phishing solution designed to detect and nullify the risk associated with false sites impersonating valid brands that PhishLock is trained to protect. If the user loads a phishing site, PhishLock safeguards the user by actively preventing them from entering personal information. Its proactive approach to preventing information identity theft involves customizing protection for brands targeted by phishers, PhishLock provides early protection against brand new phishing sites.

West Coast Labs tested this by simulating new phishing attacks against a list of specific URLs protected by PhishLock, and compared the effectiveness of PhishLock

*\* As the test suite for this project contained websites created by West Coast Labs specifically for this test, these had not been previously seen by any of the vendors. Any blacklisting technologies used by any of the other vendors would have had no record of these sites and hence would not be able to offer any protection.*

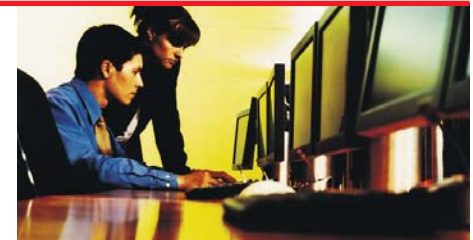
against the leading brand internet security suites. The results below represent the proportion of new phishing sites blocked:

Solution Provider	XP SP3	Vista	XP base (IE6 only)
<b>SentryBay</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>McAfee*</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>Kaspersky*</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>Symantec (Norton)*</b>	<b>44%</b>	<b>0%</b>	<b>0%</b>
<b>Trend Micro*</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>

West Coast Labs also tested all vendors against live phishing sites found during the test period April 2009 with the following results. As above, the phishing sites selected for this test were those that were intended to perform phishing attacks against a list of specific URLs protected by PhishLock:

Solution Provider	% of blocks across all combinations tested
<b>SentryBay</b>	<b>100%</b>
<b>McAfee</b>	<b>75%</b>
<b>Kaspersky</b>	<b>29%</b>
<b>Symantec (Norton)</b>	<b>88%</b>
<b>Trend Micro</b>	<b>63%</b>

West Coast Labs also carried out tests to determine whether PhishLock would incorrectly identify a legitimate site as a phishing site, and results showed a false positive rate of 0%.



# West Coast Labs Observations

## EntryProtect

Working alongside PhishLock, EntryProtect for Web Applications provides the user with protection against keyloggers and other applications designed to steal private information. The product is designed to proactively protect all data entered into websites by working at multiple levels of the operating system to ensure that any keyloggers receive either no data or false data generated by EntryProtect.

Further tests were conducted against the EntryProtect anti-key logging and anti-screen capture solution. West Coast Labs utilised a number of free and publicly available keylogging software applications along with proprietary software that registers keystrokes. The results below show the percentage of keyloggers that were either detected or otherwise nullified by the action of the given security solution. The results demonstrate that, due to the way in which EntryProtect operates, data is automatically protected with no need for detection.

Vendor	IE Nullified	IE Detected	Firefox Nullified	Firefox Detected
<b>SentryBay**</b>	<b>100%</b>	<b>N/A</b>	<b>100%</b>	<b>N/A</b>
<b>AVG**</b>	<b>N/A</b>	<b>86%</b>	<b>N/A</b>	<b>86%</b>
<b>Kaspersky**</b>	<b>N/A</b>	<b>100%</b>	<b>N/A</b>	<b>100%</b>
<b>McAfee**</b>	<b>N/A</b>	<b>82%</b>	<b>N/A</b>	<b>82%</b>
<b>Symantec**</b>	<b>N/A</b>	<b>77%</b>	<b>N/A</b>	<b>77%</b>
<b>Trend Micro**</b>	<b>N/A</b>	<b>93%</b>	<b>N/A</b>	<b>93%</b>

*\*\* All of the consumer brand products detected keyloggers on both XP SP3 and Vista and removed them. Exceptions to this were the 'SimpleLogger' key logger, which was not removed by the McAfee, Symantec or AVG products, and 'Powered Keylogger v2.3' of which part was flagged as a Potentially Unwanted Program by Symantec and Kaspersky.*

## System Resources

Throughout the testing process, system resource use (CPU and RAM usage) increased on average by just 2-3% when either the PhishLock or EntryProtect applications were installed. West Coast Labs concluded that system resource use is minimal and unlikely to be noticed by an average user.

## SentryBay Security Suite – Operation and Compatibility

West Coast Labs tested the software on three operating systems: Vista, XP base installation, and XP with Service Pack 3. The software installed easily (generally with only two clicks) on all operating systems tested. For each Operating System and household Internet security suite combination, it was noted that neither of the SentryBay solutions triggered a negative response when scanned to ascertain if the solutions contained any malware. In addition, no user interaction was required for software updates from SentryBay.

## West Coast Labs – Conclusion

SentryBay have demonstrated that they have innovative and effective solutions to combat the problems of online identity and data theft. SentryBay's products are not designed to replace conventional antivirus and internet security suites but to complement them. Both the PhishLock and EntryProtect solutions performed well throughout testing, providing an enhanced level of security to all protected sites and computers.

Information for this narrative is derived from the full report which can be viewed at [www.westcoastlabs.com](http://www.westcoastlabs.com)

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