CARBON BLACK

ARM YOUR ENDPOINTS

Carbon Black Defense Sensor for Windows 2.0.3.4 Release Notes

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General Notes

Cb Defense Sensor version 2.0.3 is a GA (General Availability) release for the Windows operating system only. These notes are *cumulative*, and provide information on all 2.0 releases to date.

New Features

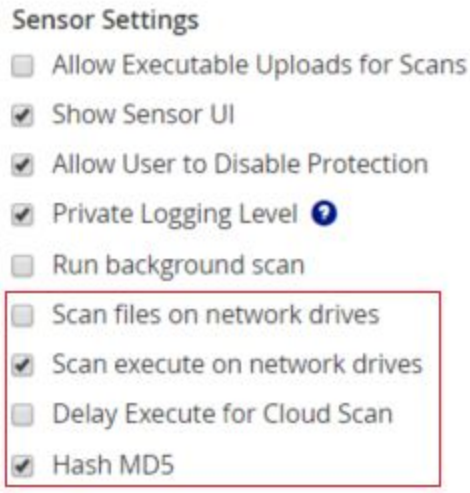
This section lists features introduced in the 2.0 version of Cb Defense Sensor. (For a more thorough description of the new features in this release, see the User's Guide.)

Enhanced Protection Engine

Cb Defense Sensor 2.0 contains many improvements in its engine that detects, blocks and reports malware. Specific improvements include:

- Improved offline protection through the introduction of a signature-based scanner
- Improved behavioral protection for attacks using PDFs, JARs, and macros

Note that the introduction of the signature-based scanner has introduced an additional log file (scanner\scanhost.log) and backend-dashboard options, including options that can be used to optimize performance.



See the User's Guide for details about configuration of these new features.

New Cb Defense Sensor User Interface (UI)

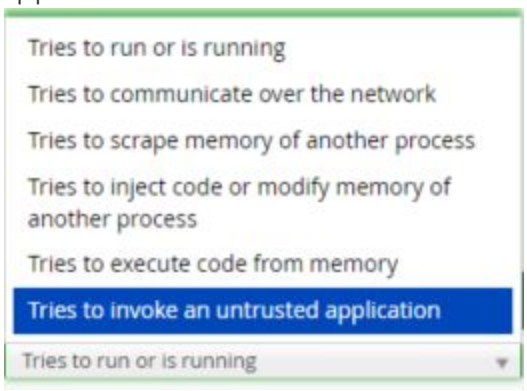
Cb Defense Sensor 2.0 contains a new client UI that can be enabled to notify end users when Cb Defense blocks the execution of suspicious software. The UI can also optionally be configured to allow the end user to enable and disable the Cb Defense Sensor's protection.

Enhanced Whitelist Capabilities

Cb Defense Sensor 2.0 contains enhanced whitelisting capabilities to make it easier for IT administrators to deploy enterprise software. Administrators can leverage a new "IT_TOOLS" whitelist option, and admins can specify that files signed with particular certificates are whitelisted.

Controlling Invocation of Untrusted Applications

Cb Defense Sensor 2.0 contains enhanced ability to control the invocation of untrusted applications.



Known Issues and Caveats

The following section lists known issues in this version of Cb Defense Sensor.

ID	Description
CIT-10882	Duplicate BLOCK or TERMINATE notifications will not be sent to the Sensor UI for a period of 30 minutes.
CIT-10780	An interoperability issue exists between the Cb Defense Sensor and McAfee 10.5 that can cause Microsoft Excel to exit immediately after launch. The problem relates to IPS (Intrusion Prevention System) functionality automatically enabled in 10.5 McAfee. The workaround is to disable the new IPS rules in McAfee. Note: The pre-existing McAfee default exploit protection can remain enabled.
n/a	Support for Windows XP, Windows Server 2003, and Windows Vista has been dropped in Cb Defense Sensor 2.0. See the User's Guide for details. Note: Users who need support for these legacy operating systems can continue to use the 1.x Cb Defense Sensor. Contact your Carbon Black

	account manager for details.
CIT-10032	The "DELAY_SIG_DOWNLOAD=0" installer command-line option (which immediately updates AV signature definitions) cannot be used when upgrading the Cb Defense Sensor (the CLI option works for fresh installs only).
CIT-10273 CIT-10234	The Sensor User Interface's log file (RepUx.log) is in the *user's* temp directory (%TEMP%) rather than the *system* temp directory. Similarly, user-interface "mini-dump" files would be written to this same %TEMP% directory.
CIT-10904	The local AV signature-based scanner in the Cb Defense Sensor can consume up to 260 MB of memory on each Windows endpoint machine during normal operation.

Issues Resolved in 2.0.3

ID	Description
CIT-10893 CIT-10845	Certificate name matching / Certificate whitelisting broken
CIT-8906	Improved handling/analysis of RTF (rich text file) content
CIT-10829	Improved handling/analysis of scripts (e.g., Powershell). Ensures that script host can be blocked while exempting certain scripts.
CIT-10345	Improved handling of script-based malware
CIT-9573	Improved handling of Java-based malware
CIT-10801 CIT-10816 CIT-10821 CIT-10822	General stability and performance improvements
CIT-10108	Sensor events not displayed on backend UI Alerts page.
CIT-10854	Remove explorer.exe false positive
CIT-10794	Issue retrieving AV signatures from local repositories using HTTPS
CIT-10818	Install Sensor even if user's temp directory not present
CIT-10585	Do not allow Sensor installation on Windows XP, Vista, and Server 2003

CIT-10885	Log file missing from diagnostics bundle
CIT-10903	Log file contains incorrect information on malware scan results

Issues Resolved in 2.0.2

ID	Description
CIT-10619	Improved expedited reputation request origination and handling when backend unreachable
DSEN-12	Honor signature-download randomization interval when signature scanning is disabled then re-enabled
DSEN-15	Increase default signature-download randomization interval to 4 hours. Support custom values from backend.
CIT-9507 CIT-10702 CIT-10703 CIT-10704	Reduce Cb Defense Sensor's memory and disk usage
CIT-8419	Incorrect IP Address information shown in Cb Defense Dashboard UI
CIT-10684	Improved detection of Javascript malware
CIT-9854	Improved throttling of events sent to backend
CIT-10553	Improved performance accessing local database
CIT-10714	Client UI now can display 'mailto' links

Issues Resolved in 2.0.1

The following section lists corrective content changes made.

ID	Description
CIT-10009	Internet Explorer 11 crash on Windows 10
CIT-9884	System error when processing IPv6 information
CIT-6545	Improved processing of app exclusions

CIT-6779	Improved detection of scripts invoked before Sensor start
CIT-10203 CIT-10204	Improved reputation processing and logging in a variety of corner-case situations, including when file certificate verification fails.
CIT-10119	Avoid instance of a false-positive script termination