



The Linux Sensor v6.3.4 release notes contain the following sections:

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Summary

VMware Carbon Black EDR Linux Sensor v6.3.4 introduces support for RHEL 7.9 along with fixes for [CB-22188] *file_process_table entry uses too much memory*, [CB-31312] *process tracking table spin lock held for too long* and [CB-32413] *kernel memory corrupted by file_process_table cache data*.

Sensor operating systems

VMware Carbon Black EDR sensors operate with multiple operating systems. For the current list of supported operating systems, see <https://community.carbonblack.com/docs/DOC-7991>.

Documentation

This document provides information for users who are upgrading to VMware Carbon Black EDR Linux Sensor v6.3.4 from previous versions and users who are new to VMware Carbon Black EDR. This document supplements other VMware Carbon Black documentation. [Click here](#) to search the full library of Carbon Black EDR user documentation on the VMware Carbon Black User Exchange.

Installation Instructions

To install the new sensor:

1. Set your yum repo appropriately: modify `/etc/yum.repos.d/CarbonBlack.repo` with the appropriate baseurl, if needed.

- Baseurl=
[https://yum.distro.carbonblack.io/enterprise/stable/\\$releasever/\\$basearch/](https://yum.distro.carbonblack.io/enterprise/stable/$releasever/$basearch/)
- 2. Clear the yum cache.
 - yum clean all
- 3. Download the installer.
 - Substitute the cb-linux-sensor-installer name for *cb-linux-sensor-installer-6.3.4.10012-1*
 - The *<package local download directory>* is a directory such as /tmp.
 - Run the following command to download the installer:
yum install --downloadonly --downloadaddir=*<package local download directory>*
cb-linux-sensor-installer-6.3.4.10012-1
- 4. Change your directory to the *<package local download directory>* from Step 3.
- 5. Run the following command to install the package:
 - rpm -i --force *<package>* (current package to use:
cb-linux-sensor-installer-6.3.4.10012-1.noarch.rpm)
- 6. Run the following command to make the new installation package available in the server console:
 - /usr/share/cb/cbcheck sensor-builds --update

Note: If your groups have **Automatic Update** enabled, the sensors in that group will automatically update.

The new sensor versions should now be available via the console. If the following warning occurs:

```
warning: /tmp/cb-linux-sensor-installer-6.3.4.10012-1.noarch.rpm: Header V4 RSA/SHA1  
Signature, key ID 6ac57704: NOKEY
```

refer to this Knowledge Base Article: [How to provide public key for Linux sensor package](#).

For any other issues, contact [Carbon Black Technical Support](#).

New Features

RHEL/CentOS 7.9 Support

Introducing support for RHEL/CentOS 7.9.

Corrective Content

This release provides the following corrective content changes:

- File_process_table entry uses too much memory [CB-22188]
- Process tracking table spin lock held for too long [CB-31312]
- Kernel memory corrupted by file_process_table cache data [CB-32413]
- cbsensor error message "Fail to delete inode" should not appear [CB-31346]

Known Issues and Limitations

Known issues associated with this sensor version:

- Downgrades from 7.0.0-lnx to 6.3.4-lnx will require a manual uninstall and reinstall due to extensive architectural changes in our 7.0.0 version.
- When swapping certs, the sensor tries to connect to the cert first SAN. If the address name is not the FQDN it won't resolve. [CB-31146]
- Sensor accepts expired certificates in strict mode, but will close connections when using an expired certificate. [CB-30424]
- Proxy setting in sensorsettings.ini will not work with custom TLS certificate. [CB-30175]
- Updating from sensor version v6.1.6 and earlier could result in a system panic if certain other security software (Tripwire, McAfee) is also installed. v6.1.7 introduced a safety mechanism to prevent this panic. This can result in the sensor refusing to update to prevent a panic. An update will occur on the next system reboot. To upgrade without a reboot, review <https://community.carbonblack.com/docs/DOC-15629> [CB-32913] for alternate instructions and further technical analysis of the issue.
- The Oracle UEK is not supported. The RHCK kernel must be installed prior to installing cbsensor on Oracle Linux. [CB-18158]

- This version of the Linux Sensor Installer does not respect specification of a non-default installation directory in cb.conf on the server – the default directory is always used. [CB-17033]
- Memory and CPU usage in the cbdaemon increases as a system becomes busier. Under certain workloads such as a long lived processes with lots of forked children, memory and CPU usage can become excessive. [CB-16064/CB-21648]
- PID reuse on the system can cause new processes to not be suppressed when they should be. [CB-18239/CB-29810]
- On RHEL/CentOS 6.x systems, upgrading sensors older than v5.2.13 and v6.1.3 cause a duplicate sensor to appear in the server console. See <https://community.carbonblack.com/docs/DOC-10841> for a workaround that hides the older sensor from the console. This issue is mitigated in RHEL/CentOS 7.x systems. [CB-19224]
- ICMP traffic is allowed when a sensor is isolated. [CB-6623]
- Unloading the cbsensor module can cause some programs to exit due to an unexpected return from a socket read. [CB-26764]
- The sensor might report an incorrect binary backlog. [CB-26518]

Contacting Support

VMware Carbon Black EDR server and sensor update releases are covered under the VMware Carbon Black Customer Maintenance Agreement. Technical Support can assist with any issues that might develop during the installation or upgrade process. Our Professional Services organization is also available to ensure a smooth and efficient upgrade or installation.

Note: Before performing an upgrade, VMware Carbon Black recommends reviewing content on the User Exchange for supplemental information.

Use one of the following channels to request support or ask support questions:

- **Web:** [User Exchange](#)
- **Email:** support@carbonblack.com
- **Phone:** 877.248.9098
- **Fax:** 617.393.7499

When contacting Carbon Black Technical Support, provide the following required information:

- **Contact:** Your name, company name, telephone number, and email address.
- **Product version:** Product name (VMware Carbon Black EDR server and sensor version).
- **Hardware configuration:** Hardware configuration of the VMware Carbon Black EDR server (processor, memory, and RAM).
- **Document version:** For documentation issues, specify the version and/or date of the manual or document you are using.
- **Problem:** Action causing the problem, error message returned, and event log output (as appropriate).
- **Problem severity:** Critical, serious, minor, or enhancement request.