



Summary

CB Response will be known as VMware Carbon Black EDR from 7.3.0 server onwards. 7.3.0 server is a feature release of the VMware Carbon Black EDR server and console. This release requires and supports the [SOLR 8 upgrade](#). See the [New Features](#) section for details.

These release notes include the following:

- [Document Contents](#)
- [\[On-Prem Only\] Preparing for Server Installation or Upgrade](#)
- [Configure Sensor Update Settings Before Upgrading Server](#)
- [New Features](#)
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This release includes the following components:

- Server version 7.3.0.200913
- Release Notes: (this document)
- Windows Sensor version 7.1.1.16959
[Release Notes](#)
- MacOS Sensor version 6.3.0.16031
[Release Notes](#)
- Linux Sensor version 6.3.3.10007
[Release Notes](#)

Each release of Carbon Black EDR software is cumulative and includes changes and fixes from all previous releases.

Document Contents

This document provides information for users who are upgrading to Carbon Black EDR Server version 7.3 from previous versions, and for users who are new to VMware Carbon Black. The key information specific to this release is provided in the following major sections:

- **Preparing for Server Installation or Upgrade** – Describes requirements to meet and information that is needed before beginning the installation process for the VMware Carbon Black server.
- **New features** – Provides a quick reference to new and modified features that are introduced in this version.
- **Corrective content** – Describes issues that are resolved by this release, and general improvements in performance or behavior.
- **Known issues and limitations** – Describes known issues or anomalies in this version.

Additional Documentation

This document supplements other Carbon Black documentation. [Click here](#) to search the full library of VMware Carbon Black user documentation on the VMware Carbon Black User Exchange.

[On-Prem Only] Preparing for Server Installation or Upgrade

This section describes the requirements and key information that is needed before installing a VMware Carbon Black EDR server. All on-premises users, whether upgrading or installing a new server, should review this section before proceeding. See the appropriate section of the *CB Response 7.3 Server/Cluster Management Guide* for specific installation instructions for your situation:

- **To install a new VMware Carbon Black EDR server**, see “Installing the VMware Carbon Black Server”.
- **To upgrade an existing VMware Carbon Black EDR server**, see “Upgrading the VMware Carbon Black EDR Server”.
- **For Solr 8 upgrade**, see “[Solr 8 Upgrade Release Announcement](#)”. Solr will be upgraded to version 8 with 7.3.0-svr. All future server upgrades will automatically include Solr 8 upgrade if the server was not already upgraded to Solr 8.

Yum URLs

Carbon Black EDR Server software packages are maintained at the Carbon Black yum repository (yum.distro.carbonblack.io). The links will not work until the on-prem GA date.

The following links use variables to make sure that you install the correct version of Carbon Black EDR, based on your machine's operating system version and architecture.

Use caution when pointing to the yum repository. Different versions of the product are available on different branches as follows:

- **Specific version:** The 7.3.0 version is available from the Carbon Black yum repository that is specified in the following base URL:

baseurl=[https://yum.distro.carbonblack.io/enterprise/7.3.0-1/\\$releasever/\\$basearch](https://yum.distro.carbonblack.io/enterprise/7.3.0-1/$releasever/$basearch)

This link is available as long as this specific release is available. It can be used even after later versions have been released, and it can be useful if you want to add servers to your environment while maintaining the same version.

- **Latest version:** The latest supported version of the Carbon Black EDR server is available from the Carbon Black yum repository that is specified in the following base URL:

baseurl= [https://yum.distro.carbonblack.io/enterprise/stable/\\$releasever/\\$basearch/](https://yum.distro.carbonblack.io/enterprise/stable/$releasever/$basearch/)

This URL will point to version 7.3.0-1 until a newer release becomes available, at which time it will automatically point to the newer release.

Note: Communication with this repository is over HTTPS and requires appropriate SSL keys and certificates. During the Carbon Black EDR server install or upgrade process, other core CentOS packages can be installed to meet various dependencies. The standard mode of operation for the yum package manager in CentOS is to first retrieve a list of available mirror servers from <http://mirror.centos.org:80>, and then select a mirror from which to download the dependency packages. If a Carbon Black EDR server is installed behind a firewall, local network and system administrators must make sure that the host machine can communicate with standard CentOS yum repositories.

[On-Prem Only] System Requirements

Operating system support for the server and sensors is listed here for your convenience. The *VMware Carbon Black EDR 7.3 Operating Environment Requirements* document describes the full hardware and software platform requirements for the Carbon Black EDR server and provides the current requirements and recommendations for systems that are running the sensor. This document is available on the [Carbon Black User Exchange](#).

Both upgrading and new customers must meet all of the requirements specified here and in the *VMware Carbon Black EDR 7.3 Operating Environment Requirements* document before proceeding.

Server / Console Operating Systems

For best performance, Carbon Black recommends running the latest supported software versions.

- CentOS 6.7-6.10 (64-bit)
- CentOS 7.3-7.8 (64-bit)
- CentOS 8.1-8.2 (64-bit)
- Red Hat Enterprise Linux (RHEL) 6.7-6.10 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.3-7.8 (64-bit)
- Red Hat Enterprise Linux (RHEL) 8.1-8.2 (64-bit)

Installation and testing are performed on default install using the minimal distribution and the distribution's official package repositories. Customized Linux installations must be individually evaluated.

However, if the customers are pinning dependencies to a specific OS version, the product only supports the following for the Carbon Black EDR server and Unified View:

- CentOS 6.7-6.10 (64-bit)
- CentOS 7.5-7.8 (64-bit)
- CentOS 8.2 (64-bit)
- Red Hat Enterprise Linux (RHEL) 6.7-6.10 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.5-7.8 (64-bit)
- Red Hat Enterprise Linux (RHEL) 8.2 (64-bit)

Note: Versions 7.3, 7.4, and 8.1 (64-bit) of CentOS/ RHEL are not supported if customers are pinning dependencies.

In general, VMware Carbon Black discourages customers from pinning dependencies as per the [recommendation from CentOS/RHEL](#).

Sensor Operating Systems (for Endpoints and Servers)

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

Note: Non-RHEL/CentOS distributions or modified RHEL/CentOS environments (those built on the RHEL platform) are not supported.

Configure Sensor Update Settings Before Upgrading Server

Carbon Black EDR 7.3.0 comes with updated sensor versions. Servers and sensors can be upgraded independently, and sensors can be upgraded by sensor groups.

Decide whether you want the new sensor to be deployed immediately to existing sensor installations, or install only the server updates first. Carbon Black recommends a gradual upgrade of sensors to avoid network and server performance impact. We strongly recommend that you review your sensor group upgrade policies before upgrading your server, to avoid inadvertently upgrading all sensors at the same time. For detailed information on Sensor Group Upgrade Policy, see the Sensor Group section of the *VMware Carbon Black EDR 7.3 User Guide*.

To configure the deployment of new sensors via the Carbon Black EDR web console, follow the instructions in the *VMware Carbon Black EDR 7.3 User Guide*.

New Features

Solr 8

Because 7.3.0 includes the latest SOLR 8 version, an upgrade to 7.3.0 will take at least 2 hours to allow SOLR upgrade and data re-indexing. It could take longer if there is a lot of data to re-index. Please allow adequate time for your upgrade. For more information, see [Solr 8 Upgrade Release Announcement](#).

Corrective Content

1. Upgrades of CB EDR to 7.3.0 and later will restructure the SOLR data directory and place it under `/var/cb/data/solr`. Upgrades of CB EDR to 7.3.0 from earlier 6.X.X versions will retain and transition all cbevents directories beneath `/var/cb/data/solr5/`. [CB-31031]
2. Solr 8 on 7.3.0-svr addresses the incorrect result count on the pagination bar for process search. [CB-30074]
3. Solr 8 on 7.3.0-svr addresses the `UnInvertedField` limit that was causing facet searches on the binary page via `api/v1/binary` to be slow and cause errors (as mentioned in SOLR-11240). [CB-31958]
4. On a reset of `local_rating`, the `provider_rating` is used for a feed. You can now toggle between `local_rating` and `provider_rating`. [CB-31315]
5. Optimization improved the performance on feeds sync update by resetting the feeds for the active reports. [CB-30143]
6. Configuring proxy for Alliance connection now works for basic authentication. [CB-28225]
7. When a feed is updated, an appropriate event is put onto the EDR event queue. This is expected. However, the `cb-datastore` treats the event as an error and prints an exception to the datastore debug log. The error indication is now corrected and changed to the `DEBUG` log level; therefore, it no longer fills the user logs with irrelevant service exception information. [CB-31317]
8. Added unicode support on Live Response `execfg` command for Windows endpoints. This fix will work with Windows Sensor 7.1.1 version or higher. [CB-32409]

Known Issues

1. After an upgrade of server and sensor, older files did not get SHA-256 values. When an older file is executed, it creates a process event that contains SHA-256. When a user clicks the link, the binary store shows no SHA-256.[CB-24519]
2. When creating a watchlist from a Threat Feed, Carbon Black EDR incorrectly creates the query and the watchlist does not run – it creates an error. To see if your watchlist formed an error, check the status on the Watchlist page. As a workaround, the Carbon Black EDR team suggests clicking the **Search Binaries** or **Search Process** hyperlinks on the Threat Feed, and then using the **Add/Create Watchlist** action from the Search page.
3. The CSV export of the user activity audit is malformed in certain cases. [CB-18936]
4. The CSV export of **Recently Observed Hosts** has no header row. [CB-18927]
5. When using a custom email server, you cannot enable or disable Alliance Sharing. The workaround is to disable the custom email server, make the change, and then re-enable the custom email server. [CB-20565]
6. For Server versions 6.x.x - 7.1.0, based on Solr 6.x, Process Searches using `*_md5,md5, *_SHA256, SHA256` are case-sensitive. These searches were case-insensitive in pre-6-series Server versions, based on SOLR 5.x. [CB-14311] This issue is resolved in Server 7.1.1 +.
7. For Server versions 6.x.x - 7.2.0 (all versions based on SOLR 6.x), a bug in SOLR 6 (<https://issues.apache.org/jira/browse/SOLR-9882>.) causes incomplete results when `partialResults=True`. The Pagination bar, together with a large number, will appear on the Process Search page as a result of a search. However, only a few or even zero actual documents are displayed. [CB-30074] The fix for this issue has not yet been validated in Server 7.3.0 +, based on Solr 8.
8. cb-enterprise fails to install on RHEL/CentOS 8 with FIPS 140-2 enabled. The workaround is to use RHEL/CentOS 7 if you'll enable FIPS 140-2. This issue is due to a change on Red Hat 8 that affected Paramiko (https://bugzilla.redhat.com/show_bug.cgi?id=1778939). This issue is being addressed on RHEL/CentOS 8.4. [CB-33352]

Contacting Support

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. Our Professional Services organization is also available to help ensure a smooth and efficient upgrade or installation.

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

Reporting Problems

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 versions)
- **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, the error message returned, and event log output (as appropriate)
- **Problem Severity:** Critical, serious, minor, or enhancement request

Note: Before performing an upgrade, VMware Carbon Black recommends that you review the content on the [User Exchange](#).