

# Release Notes: Server v7.1.1

May 2020

## Summary

CB Response 7.1.1 is a maintenance releases with bug fixes. No new features are introduced with a maintenance release.

These release notes include the following:

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

- Server version 7.1.1.200416

Release Notes: (this document)

- Windows Sensor version 6.2.5.91203  
[Release Notes](#)
- MacOS Sensor version 6.2.7.15949  
[Release Notes](#)
- Linux Sensor version 6.3.0.10191  
[Release Notes](#)

Each release of CB Response software is cumulative and includes changes and fixes from all previous releases.

# Document Contents

This document provides information for users who are upgrading to CB Response Server version 7.1 from previous versions, and for users who are new to CB Response. 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 needed before beginning the installation process for the CB Response 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 CB Response user documentation on the 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 CB Response 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 7.1 Server/Cluster Management Guide* for specific installation instructions for your situation:

- **To install a new CB Response server**, see “Installing the CB Response Server”.
- **To upgrade an existing CB Response server**, see “Upgrading the CB Response Server”.

## Yum URLs

CB Response Server software packages are maintained at the Carbon Black yum repository ([yum.distro.carbonblack.io](https://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 CB Response, 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 7.1.1 version is available from the Carbon Black yum repository that is specified in the following base URL:

baseurl=[https://yum.distro.carbonblack.io/enterprise/7.1.1-1/\\$releasever/\\$basearch](https://yum.distro.carbonblack.io/enterprise/7.1.1-1/$releasever/$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 CB Response 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 7.1.1-1 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 CB Response 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 CB Response 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 *CB Response 7.1 Operating Environment Requirements* document describes the full hardware and software platform requirements for the CB Response 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 requirements specified here and in the *CB Response 7.1 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 7.3-7.7 (64-bit)
- CentOS 8.1 (64-bit)
- Red Hat Enterprise Linux (RHEL) 6.7-6.10 (64-bit)
- Red Hat Enterprise Linux (RHEL) 7.3-7.7 (64-bit)
- Red Hat Enterprise Linux (RHEL) 8.1 (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.

## Sensor Operating Systems (for Endpoints and Servers)

For the current list of supported operating systems for CB Response 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

CB Response 7.1.1 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 *CB Response 7.1 User Guide*.

To configure the deployment of new sensors via the CB Response web console, follow the instructions in the *CB Response 7.1 User Guide*.

## Corrective Content

1. `sensorUploadAverageTimeRanges` in `cb.conf` used the value in minutes and has been corrected to seconds. It was using 300 minutes by default, but it will now default to 300 seconds. [CB-30000]
2. The Process Search and Binary Search pages will sanitize filenames and paths that contain a bidirectional Unicode character by replacing the Unicode character with "❖". [CB-16200]
3. Hazelcast configuration is corrected to allow LONG Integer type. Sensor activity logging after sensor check-in will succeed. [CB-30872]
4. Hardened product against replay attacks by stopping reuse of session tokens after user logout. [CB-30450]
5. Background network requests no longer prevent idle session timeout. [CB-30987]
6. The `/api/communication_settings` GET previously allowed analysts to retrieve communication settings. Global admin permissions are now required for this API to reflect the POST for this endpoint. [CB-28684]
7. Addressed `process_md5` and `process_sha256` hash value case sensitivity issue. Any search, independent of upper- or lower-case hash value, will produce the correct search results. [CB-14311]

# 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, CB Response 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 CB Response 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 re-enable the custom email server. [CB-20565]
6. A bug in SOLR 6 (<https://issues.apache.org/jira/browse/SOLR-9882>) is causing 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 documents are displayed. [CB-30074]

## Contacting Support

CB Response server and sensor update releases are covered under the 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](mailto: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 (CB Response server and sensor versions)
- **Hardware configuration:** Hardware configuration of the CB Response 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, Carbon Black recommends that you review the content on the [User Exchange](#).