Carbon Black.

Automating Cb Response Installation

Using cbinit

Version 6.2
November 2017

Carbon Black.

Purpose

This document describes how to automate installation of the Cb Response server by using an input file for the **cbinit** command.

Automating Installation

To install Cb Response, you use the **cbinit** command, which is located in the **/usr/share/cb** directory.

As it runs, **cbinit** interactively prompts you for site-specific values required to complete the installation. You can either answer the prompts manually, or you can run **cbinit** with an input file that sets these values automatically. The input file can have any name.

Usage syntax for the input file is as follows:

```
[root@localhost docs]# /usr/share/cb/cbinit --help Usage: cbinit
[options] [INPUT_FILE]
Carbon Black Enterprise Server initialization tool. Use this tool to
initialize a new server instance, or to revert and existing server back
to a clean, post-install state. The command line can include an optional
INPUT_FILE can be specified to run the tool in a 'non-interactive' mode.
```

Configuration Options

To prepare to run **cbinit** with an input file, edit a text file to include settings for the following configuration options.

Note: In the table, the values `0` (zero) and `1` (one) are settings for **off** and **on**, respectively.

Key Name	Description	Example
root_storage_path	Directory in which to store Cb Response server data.	`/var/cb/data`
admin_username	Username of the primary administrative account.	`admin`
admin_first_name	First name of the primary administrative account.	`Anthony`
admin_last_name	Last name of the primary administrative account.	`Waltham`
admin_email	Email address of the primary administrative account.	`aw@organization.org`

Key Name	Description	Example
admin_password	Password of primary administrative account.	`Sup3r$3cr3+`
service_autostart	Auto-start the cb-enterprise service at system startup— must be `0` (zero) or `1` (one).	`1`
force_reinit	Delete all existing data and configuration upon running **cbinit** on an already initialized server. Use this option if you want to start over and do a fresh install, without saving the current server configuration or existing data.	`0`
default_sensor_server_url	The server URL as seen by sensors, and specified in the default sensor group URL setting. If you run **cbinit** in a clustered configuration, this is the URL for the master server.	`https://cb.org.local`

*The following options establish the initial settings for Cb Response Sharing settings (accessed in the management console with **username > Sharing Settings**).*

alliance_comms_enabled	When enabled, allows communication with Carbon Black. Also allows download of binaries from the Alliance and the ability to retrieve Alliance feeds. If disabled, there is no automatic off-premise communication and none of the other communication settings can be modified. The default setting is `0` (off).	`0`

Key Name	Description	Example
alliance_statistics_enabled	When enabled, allows sharing usage, resource, and sensor statistics with Carbon Black. The default setting is 0 (off).	0
alliance_bit9_hashes_enabled	When set to 1, enables sharing hashes for all executed binaries with Carbon Black to confirm trust level. The default setting is 0 (off).	0
alliance_bit9_binaries_enabled	When set to 1, enables sharing executed binaries with Carbon Black for advanced static analysis of your binaries to alert you of suspicious activity. The default setting is 0 (off).	0

Example Configuration File for Unattended Setup

The following example shows sample settings in an setup file for **cbinit**.

Note: If you copy and use these sample settings verbatim, be aware that options for communication with Carbon Black, as well as sharing internal statistics, hashes, and binaries, are turned *on*.

```
[Config]
root_storage_path=/var/cb/data
admin_username=admin
admin_first_name=Anthony
admin_last_name=Waltham
admin_email=aw@organization.org
admin_password=Sup3r$3cr3+
service_autostart=0
force_reinit=1
default_sensor_server_url=https://127.0.0.1:443
alliance_comms_enabled=1
alliance_statistics_enabled=1
alliance_bit9_hashes_enabled=1
alliance_bit9_binaries_enabled=1
```