

Carbon Black Enterprise Response Offline Install

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cb-support@Bit9.com

Introduction

The purpose of this document is to describe how to install Carbon Black (Cb) in a location that does not have access to the CentOS/RedHat or Cb Yum repositories. An organization can utilize any current Linux infrastructure such as an internal satellite or repository server. However, the purpose of this document will be for those that do not have such capabilities.

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Creating the OS and CB Yum Cache

In order to obtain a Yum cache for your OS and Cb installation you must provide a system that is able to properly communicate with the OS and Cb vendor Yum repositories. This system will only be used to download, install, and store (cache) the appropriate packages and dependencies. This additional system does not violate any EULA for Bit9+Cb and will not be initialized and utilized as a functioning Cb Enterprise Server. This system will be referred to as a caching server and does not need to meet any Server Sizing Guide or Operating Environment Requirements (OER).

Configuring the Caching Server

- 1) Install the appropriate OS.
 - a) Follow OS vendor or internal procedures for installation

WARNING: You MUST Install the same OS as your Cb Enterprise Server. RHEL & CentOS YUM Caches are NOT the same and require unique packages for each OS Type and Versions.

- 2) Install the Cb License RPM
 - a) Copy the Bit9+Cb provided rpm file to the caching server.

```
carbon-black-release-<customer dependent>.x86_64.rpm
```

- b) Log into the caching server console.
- c) Change directory to the location of the rpm
- d) Install rpm package

```
#rpm -ivh carbon-black-release-<customer dependent>.x86_64.rpm
```

3) Configure Yum to cache all package installations

- a) Log into the caching server console.
- b) modify the yum.conf file

```
#vi /etc/yum.conf
```

```
[main]
cachedir=/var/cache/yum/$basearch/$releasever
keepcache=1
```

- c) Ensure `cachedir` is configured as above
 - d) Ensure `keepcache` is set to 1
- ### 4) Download and Install Cb Enterprise packages and dependencies.
- a) Log into the caching server console.
 - b) install cb-enterprise

```
#yum install cb-enterprise -y
```

5) Compress and Archive the Yum cache

- a) Log into the Master Carbon Black Enterprise server console.
- b) Compress and Archive the the yum cache directory

```
#tar --selinux -cvzf yumcache.tar.gz -C
/var/cache/yum/<basearch>/<releasever>/ .
```

Example:

```
#tar --selinux -cvzf yumcache.tar.gz -C
/var/cache/yum/x86_64/6/ .
```

- ### 6) Copy the cache archive file (`yumcache.tar.gz`) to a media or location accessible by the production Cb Enterprise Server

Install Cb using a Yum Cache

Install Cb using a Yum cache is very similar to standard installation. The only difference is when we execute the installation command we tell Yum to only utilize the local cache for installation. If there are any difference in the caching server OS build and the production Cb Enterprise OS build, there is a high probability of failure.

- 1) Install the appropriate OS.
 - a) Follow OS vendor or internal procedures for installation

*WARNING: You **MUST** Install the same OS as your caching server. RHEL & CentOS YUM Caches are NOT the same and require unique packages for each OS Type and Versions.*

- 2) Install the Cb License RPM
 - a) Copy the Bit9+Cb provided rpm file to the production Cb Enterprise server.

```
carbon-black-release-<customer dependent>.x86_64.rpm
```

- b) Log into the caching server console.
- c) Change directory to the location of the rpm
- d) Install rpm package

```
#rpm -ivh carbon-black-release-<customer dependent>.x86_64.rpm
```

- 3) Create yum cache directory structure
 - a) Add the base architecture and release version directories to /var/cache/yum

```
#mkdir -p /var/cache/yum/<basearch>/<releasever>/
```

Example:

```
#mkdir -p /var/cache/yum/x86_64/6/
```

- 4) Extract yum cache archive file to populate the production Cb Enterprise server's yum cache
 - a) Extract the yumcache.tar.gz file to the appropriate directory

```
#tar -xvzf yumcache.tar.gz -C  
/var/cache/yum/<basearch>/<releasever>/
```

Example:

```
#tar -xvzf yumcache.tar.gz -C /var/cache/yum/x86_64/6/
```

- 5) Install Cb Enterprise packages and dependencies from the Yum Cache
 - a) Log into the caching server console.
 - b) install cb-enterprise using the cache switch

```
#yum install -C cb-enterprise
```

- 6) Follow the remaining Cb Enterprise server installation procedures identified the User Guide, Appendix A, Installing the Carbon Black Enterprise Server.