Carbon Black Logical Volume Move Instructions

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Introduction

The purpose of this document is to describe how to migrate clients from an existing server to a new server when both servers are operational. The main reason for doing this is to merge two servers that are already operational with clients checking in to both.

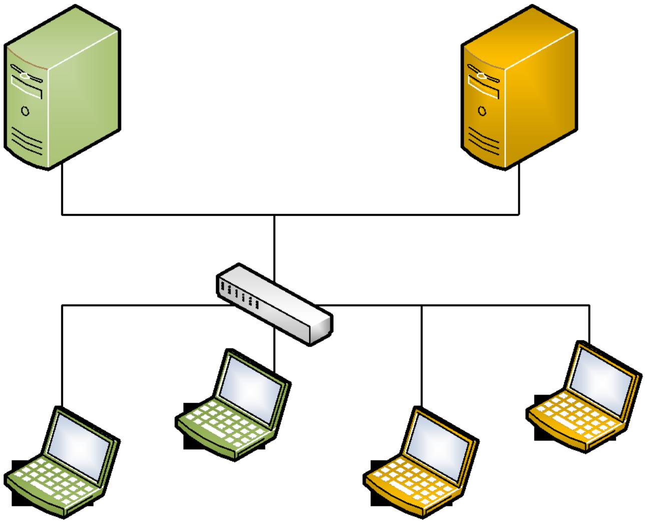


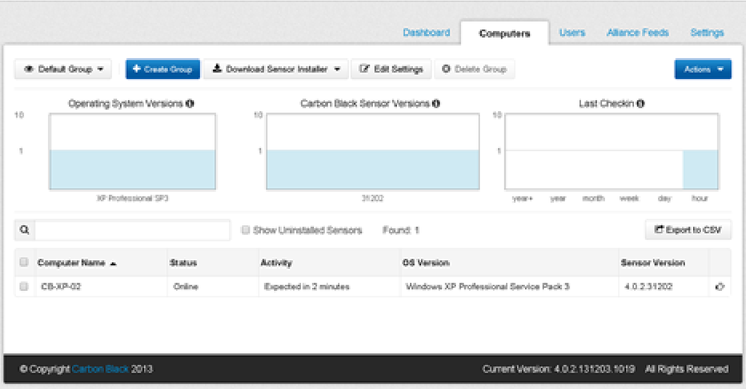
Figure 1: Initial Configuration

Figure 1 shows the initial configuration with sensors checking in to both servers. In this scenario sensors currently reporting to the old server will be migrated to the new server.

Sections

Migrate the Sensor

Figures 2 and 3 represent the computers screen in the UI at the beginning of the migration.



☐ Show Uninstalled Sensors Found: 1

☐	Computer Name ▲	Status	Activity	OS Version	Sensor Version
☐	CB-XP-02	Online	Expected in 2 minutes	Windows XP Professional Service Pack 3	4.0.2.31202

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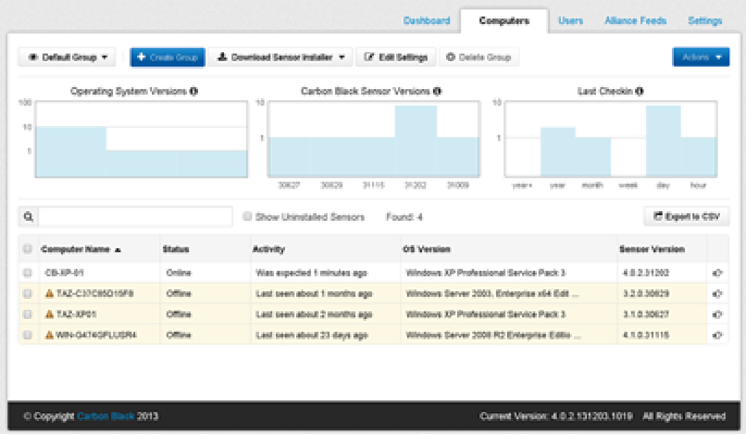
Figure 2 New Server Initial Configuration



☐ Show Uninstalled Sensors Found: 4

☐	Computer Name ▲	Status	Activity	OS Version	Sensor Version
☐	CB-XP-01	Online	Was expected 1 minutes ago	Windows XP Professional Service Pack 3	4.0.2.31202
☐	⚠ TAZ-C37C85D15F8	Offline	Last seen about 1 months ago	Windows Server 2003, Enterprise x64 Edit ...	3.2.0.30829
☐	⚠ TAZ-XP01	Offline	Last seen about 2 months ago	Windows XP Professional Service Pack 3	3.1.0.30627
☐	⚠ WIN-G4T4GFLUSR4	Offline	Last seen about 23 days ago	Windows Server 2008 R2 Enterprise Editio ...	4.1.0.31115

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Figure 3 Old Server Initial Configuration

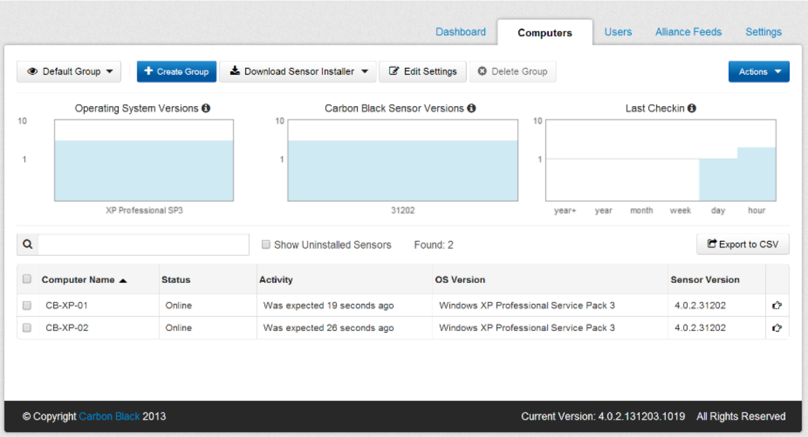
1. Save the *CarbonBlack* registry entries from a system currently reporting to the new server.

   ```
   reg save HKLM\SOFTWARE\CarbonBlack config.hiv
   ```

2. Run the following steps on the host you wish to migrate or alternately place the lines in a batch file. With a batch file you could place the *config.hiv* file on a share, modify the file path in the batch file, and run the batch file via a computer login script or *psexec* against a large group of clients.

   ```
   sc stop CarbonBlack
   sc stop CarbonBlackk
   reg restore HKLM\SOFTWARE\CarbonBlack config.hiv
   reg add HKLM\SOFTWARE\CarbonBlack\config /v SensorId /t REG_DWORD /d 0
   sc start CarbonBlack
   ```

   In the process above the CarbonBlack service and kernel driver must be stopped before restoring the registry hive. If they are not both stopped you'll get a permission denied during the restore. Next, we zeroize the SensorID to prevent sites with duplicate SIDs from having multiple computers report to the same sensor ID. Finally, start the CarbonBlack service and the host should immediately register with the new server and get assigned a new sensor ID.



Found: 2

Computer Name ▲	Status	Activity	OS Version	Sensor Version
CB-XP-01	Online	Was expected 19 seconds ago	Windows XP Professional Service Pack 3	4.0.2.31202
CB-XP-02	Online	Was expected 26 seconds ago	Windows XP Professional Service Pack 3	4.0.2.31202

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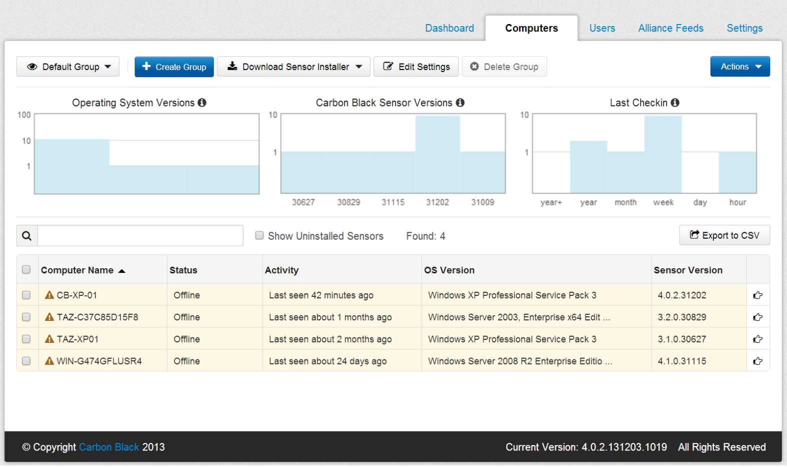
Figure 4 Client Online on New Server



Found: 4

Computer Name ▲	Status	Activity	OS Version	Sensor Version
⚠ CB-XP-01	Offline	Last seen 42 minutes ago	Windows XP Professional Service Pack 3	4.0.2.31202
⚠ TAZ-C37C85D15F8	Offline	Last seen about 1 months ago	Windows Server 2003, Enterprise x64 Edit ...	3.2.0.30829
⚠ TAZ-XP01	Offline	Last seen about 2 months ago	Windows XP Professional Service Pack 3	3.1.0.30627
⚠ WIN-G474GFLUSR4	Offline	Last seen about 24 days ago	Windows Server 2008 R2 Enterprise Editio ...	4.1.0.31115

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Figure 5 Client Offline on Old Server

Caution: do not attempt to use a .reg file for the migration. The certificates in the registry entries contain *crlf* characters which will prevent them from importing.