# **Bare-Metal Restore of Archive Points**

Follow the instructions below to run the Bare-Metal Restore of Archive Point.

Note Bare-Metal Restore of Archive Points is the same as Bare-Metal Restore of a usual Recovery Point.

1. Click on "Recovery Points" in the Main Menu to open the "Recovery Points" screen.



θ

2. Enterprise Edition: Select an Agent from the drop-down menu located on the "Recovery Points" list toolbar.

| , <u>P</u> | Agent cpanel 🕥 🥥 🕼 c                             | isk Safe DS - 192 | -             |       |
|------------|--|-------------------|---------------|-------|
|            | Recovery Points 🗳 Archive Points                 |                   |               |       |
| *          | Merge Selected 🛛 🙆 Lock Selected 🚮 Unlock Select | d                 |               |       |
| Г          | 🗊 Id 💠 🎯 Created On 🗧                            | State             | 🎯 Devices 🛛 🥥 |       |
| Γ          | 1 Mar 29, 2011 9:54:55 AM                        | 🥝 Available       | 2             | 📢 🔰 🔒 |

3. Select a Disk Safe from the drop-down menu located on the "Recovery Points" list toolbar.

| Advanced<br>Edition   | Image: Safe D5 - 192         Image: Selected Selected Selected   |                   |             |  |
|-----------------------|--|-------------------|-------------|--|
|                       | 🗖 🗾 Id 💠 🕑 Created On 🗘  | State             | 🕥 Devices 🥥 |  |
|                       | Mar 29, 2011 9:54:55 AM  | 📀 Available       | 🖉 2 🕺 🗐 🍯   |  |
| Enterprise<br>Edition | Agent cpanel   Agent cpanel  A | isk Safe D5 - 192 |             |  |
|                       | Merge Selected 6 Lock Selected 6 Unlock Selected   | ed                |             |  |
|                       | 🗖 🗾 Id 💠 🎯 Created On 🗘  | State             | 🗇 Devices 🥥 |  |
|                       | □ 1 Mar 29, 2011 9:54:55 AM  | 🕝 Available       | 🖉 2 😥 🚱     |  |

4. Select the "Archive Points" tab.

| 1 | Recovery Points                                    |             |           |       |
|---|--|-------------|-----------|-------|
| × | 💥 Merge Selected 💁 Lock Selected 💁 Unlock Selected |             |           |       |
| Г | 🗊 Id 💠 🎯 Created On 🗘                              | State       | levices 🔰 |       |
| Γ | 1 Mar 29, 2011 9:54:55 AM                          | 🔮 Available | 2         | 🥥 🤍 🎒 |

5. In the "Archive Points" list, click on the "Bare-Metal Restore" icon in the "Actions" column for the Archive Point from which you are going to restore.

| 💂 Agent Cpanel      | <b>*</b>                 | 🕼 Disk Safe CpanelSafe    | <b>~</b>                    |           |                    |
|---------------------|--------------------------|---------------------------|-----------------------------|-----------|--------------------|
| 🛛 🍓 Recovery Points | 👶 Archive Points         |                           |                             |           |                    |
| 🔀 Delete Selected   |                          |                           |                             |           |                    |
| 🗖 🕘 Type 🔅          | Archive Point Created Or | n 💠 🛐 Recovery Point Id 🔅 | 🕑 Recovery Point Created On | 💠 🕒 State | ÷ 👝                |
| 🗖 Daily             | Jul 8, 2011 4:27:21 PM   | 76                        | Jul 8, 2011 4:24:56 PM      | Active    |                    |
|                     |                          |                           |                             |           | Bare Metal Restore |

6. The "Bare-Metal Restore" window opens.

| 🔰 Bare Metal Restore   |  |
|--|--|
| Introduction   |  |
| Choose Filesystems   | This wizard will guide you through the options available for a bare metal restore.   |
| <ul> <li>Host</li> <li>Restore Storage Configuration</li> <li>Choose Partition Tables</li> <li>Select Partition Tables</li> <li>Map Partition Tables</li> <li>Restore Partition Tables</li> <li>Choose Software RAID Devices</li> <li>Choose LVM Volume Groups</li> <li>Select LVM Volume Groups</li> <li>Map LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore CVM Volume Groups</li> <li>Summary</li> </ul> | This wizard will guide you through the options available for a bare metal restore.<br>You will need to choose the filesystems to restore, choose the host to restore to, optionally<br>restore partition tables on the target host, map the chosen filesystems, and set the restore<br>options.<br>If you are restoring your system partition (e.g. /, /boot, /bin /lib, etc) please ensure your physical<br>or virtual machine is booted from one of the available CDP disaster recovery media.<br>INSERT REAL TEXT FROM PM HERE<br>http://download.r1soft.com/d/boot-media/3.18.0/<br>IV Show this tip next time |
|  | Rack Next Restore Cancel   |

7. Look through the information on the Introduction screen and click "Next."



8. On the next page, select the file system you want to restore. All available file systems are listed. At least one must be selected by clicking on the appropriate checkbox.

# 🖯 Tip

To display file system properties, click on the "Plus" icon in front of the file system name. The following data is provided for each file system:

- Content Type Either "MBR" (Master Boot Record) or a file system of special type. Most common file system types are NTFS (Windows) or EXT3 (Linux).
- Device Path The path used by the operating system to identify the hard disk or partition. In Windows, it looks like

\\?\Volume2cb24442-fd22-11df-b57d-806e6f6e6963. In Linux, it looks like /dev/hda or /dev/sda. The Device path saved in the Recovery Point refers to the Device for which this Recovery Point was created. If you are performing Bare-Metal Restore to alternate Agent, the Device Path will be different.

- Size Size of the hard disk or partition in gigabytes.
- Block Size Minimum amount of space that can be allocated on the hard disk. Depends on the partition size and file system used and is equal to multiples of 512 bytes.
- Total Blocks The total number of blocks (see above) available for data on this partition.
- Allocated Blocks The number of blocks allocated for data at the time the Recovery Point was created.

| J Bare Metal Restore  |   |       |
|---|---|-------|
| <ul> <li>Introduction</li> <li>Choose Filesystems</li> <li>Host</li> <li>Restore Storage Configuration</li> <li>Choose Partition Tables</li> <li>Select Partition Tables</li> <li>Map Partition Tables</li> <li>Restore Partition Tables</li> <li>Choose Software RAID Devices</li> <li>Choose LVM Volume Groups</li> <li>Select LVM Volume Groups</li> <li>Map LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore Options</li> <li>Summary</li> </ul> | Choose Filesystems<br>The first step for a Bare Metal Restore is to select the filesystems you want to restore.<br>At least one filesystem must be selected to perform the restore.<br>() () () () () () () () () () () () () ( |       |
|   | Sack Next Restore OC  | ancel |

Click "Next" to proceed to the following step.



9. On the next screen, select one of the following options:

- Restore to Original Host The same Agent Name/IP address and port as the original Agent. Connects to the Agent name and uses the port configured when the Recovery Point was created.
- Restore to Alternate Agent Connects to the selected Agent's hostname and the specified port. The Agent must have been added already to the system.
- Restore to Alternate Host Name/IP Connect to the specified hostname and port. This option allows you to Restore to a Host with a Host Name/IP address different than the original Host. For example, if the PXE host has a different IP, specify the IP address.

To restore to the Agent where the system was installed previously, choose the first option (" Restore to Original Host"). This is the only option that makes sense when you perform Bare-Metal Restore using Server Live CD or Server PXE Boot.

If you chose to restore to an alternate Agent added to the system, select the second option (" Restore to Alternate Agent"). Then select the Agent from the drop-down list. The Agent must be running the R1Soft Backup Disaster Recovery Boot Media and should be known to the CDP Server. When a Host is booted into Disaster Recovery Media, no authentication will be required.

If you chose to restore to an alternate Agent not added to the system, select the last option (" Restore to Alternate Host Name/IP"). Then enter the Hostname or IP address of the alternate Agent. This option should be selected when you perform Bare-Metal Restore using Agent Live CD or Agent PXE Boot.

| 🔰 Bare Metal Restore  |  |
|---|--|
| <ul> <li>Bare Metal Restore</li> <li>Introduction</li> <li>Choose Filesystems</li> <li>Host</li> <li>Restore Storage Configuration</li> <li>Choose Partition Tables</li> <li>Select Partition Tables</li> <li>Map Partition Tables</li> <li>Restore Partition Tables</li> <li>Choose Software RAID Devices</li> </ul> | <ul> <li>Host</li> <li>When performing a bare metal restore, you have three options for selecting the host:</li> <li>Restoring to the original host will connect to the hostname and port configured when the recovery point was created.</li> <li>Restoring to an alternate agent will connect to the selected agent's hostname and the specified port.</li> <li>Restoring to an alternate hostname will connect to the specified hostname and port.</li> </ul> |
| <ul> <li>Choose LVM Volume Groups</li> <li>Select LVM Volume Groups</li> <li>Map LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Map Filesystems</li> <li>Restore Options</li> <li>Summary</li> </ul>   | <ul> <li>Restore to Original Host</li> <li>Restore to Alternate Agent</li> <li>Agent</li> <li>Restore to Alternate Host Name/IP</li> <li>Host Name/IP</li> <li>Port</li> <li>1167</li> </ul>   |
|   | 🔇 Back 📎 Next 🔰 Restore 🤗 Cancel   |

Click "Next" to proceed to the following step.



10. On the "Restore Storage Configuration" screen, select one of the following options:

- Select Storage Configuration to Restore Selecting this option lets you choose storage configuration.
- Use Existing Storage Configuration Bare-Metal Restore will use the storage configuration already present on the target Agent. If you choose this step, proceed to the step 16.

Click "Next" to proceed to the following step.

| < Back 🚺 🔊 Next 🕽 🐨 Restore 🖉 Cancel |
|--------------------------------------|

11. On the next screen, select one of the following options:

- Use Existing Partition Tables on Host Bare-Metal Restore will use the partition layout already present on the target Agent. This option should almost never be used when performing Bare-Metal Restore.
- Select Partition Tables to Restore Selecting this option lets you pick partition tables from the Recovery Point to restore to the target Agent. In most cases, you should select this option.

| J Bare Metal Restore  |  |
|---|--|
| <ul> <li>Introduction</li> <li>Choose Filesystems</li> <li>Host</li> <li>Restore Storage Configuration</li> <li>Choose Partition Tables</li> <li>Select Partition Tables</li> <li>Restore Partition Tables</li> <li>Choose Software RAID Devices</li> <li>Choose LVM Volume Groups</li> <li>Select LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore Options</li> <li>Summary</li> </ul> | <ul> <li>Choose Partition Tables</li> <li>When performing a bare metal restore, you have two options for choosing the partition tables: <ul> <li>Using the existing partition tables will use the partition layout already present on the target host.</li> <li>Selecting partition tables will let you pick partition tables from the recovery point to restore to the target host.</li> </ul> </li> <li>Use Existing Partition Tables on Host <ul> <li>Select Partition Tables to Restore</li> </ul> </li> </ul> |
|   | < Back 🔰 Next 📝 Restore 🔗 Cancel   |

Click "Next" to proceed to the following step.

|  | < Back 🚺 🔊 Next 🔰 Restore 🖉 Cancel |
|--|------------------------------------|

12. If you select the "Select Partition Tables to Restore" option, then three additional steps arise:

- Select Partition Tables
- Map Partition Tables
- Restore Partition Tables

12.1 Selecting Partition Tables

Select the partition table layout(s) for the filesystems you want to restore.

| J Bare Metal Restore  |   |
|---|---|
| <ul> <li>Introduction</li> <li>Choose Filesystems</li> <li>Host</li> <li>Restore Storage Configuration</li> <li>Choose Partition Tables</li> <li>Select Partition Tables</li> <li>Restore Partition Tables</li> <li>Choose LVM Volume Groups</li> <li>Select LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore Options</li> <li>Summary</li> </ul> | Select Partition Tables You need to choose appropriate partition table layouts for the filesystems you want to restore. At least one partition table must be selected to perform the restore. |
|   | Sack    🦻 Next    🔮 Restore    🖉 Cancel   |

### 🖯 Tip

To display the partition table properties, click on the "Plus" icon in front of the partition table's name.

- Content Type Either MBR (Master Boot Record) or other special type of the partition.
- Size Size of the partition table in gigabytes.
- Number Of Sectors Shows the total number of partition table sectors.
- Sector Size The value in bytes of the sector.
- Serial Number Full serial number of the partition table.
- Partitions The list of partitions allocated with the partition table.

Click "Next" to proceed to the following step.



### 12.2 Mapping Partition Tables

After choosing partition tables to restore, map the selected Partition Table(s) Recovery Points to physical Disks in the Target Agent. From the drop-down menu named "Click to Edit," select the

physical Disks to which you are going to restore.

| J Bare Metal Restore  |   |
|---|---|
| <ul> <li>Bare Metal Restore</li> <li>Introduction</li> <li>Choose Filesystems</li> <li>Host</li> <li>Restore Storage Configuration</li> <li>Choose Partition Tables</li> <li>Select Partition Tables</li> <li>Restore Partition Tables</li> <li>Restore Partition Tables</li> <li>Choose Software RAID Devices</li> <li>Choose LVM Volume Groups</li> <li>Select LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore Dytions</li> <li>Summary</li> </ul> | Map Partition Tables After choosing partition tables to restore, you need to map the partition tables to the disks on the target host. The target disk must be large enough to hold the partition table, and each target disk can only be selected once. You must map all the partition tables selected for restore before proceeding.  //dev/sda |
|   |   |
|   | Sack Next Restore Cancel  |

You are provided a table that allows you to map the chosen Partition Tables to physical Disks on the Target Agent. You can see as many lines in the table as the Partition Tables selected to restore. Each Partition Table must be mapped to a physical Disk on the Target Agent before proceeding.

| Bare Metal Restore   |   |  |   |
|--|---|--|---|
| <ul> <li>Bare Metal Restore</li> <li>Introduction</li> <li>Choose Filesystems</li> <li>Host</li> <li>Restore Storage Configuration</li> <li>Choose Partition Tables</li> <li>Select Partition Tables</li> <li>Restore Partition Tables</li> <li>Choose Software RAID Devices</li> <li>Choose LVM Volume Groups</li> <li>Select LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore Dytions</li> <li>Summary</li> </ul> | After choosing partition Tables<br>After choosing partition table<br>the target host.<br>The target disk must be large<br>selected once.<br>You must map all the partitio | is to restore, you need to map the partition tables<br>e enough to hold the partition table, and each targ<br>n tables selected for restore before proceeding. | to the disks on<br>pet disk can only be |
|  |   |  |   |

After selecting the Disks, click on "Next" to proceed to the next page.

| Cancel |
|--------|
|        |

### 12.3 Restoring Partition Tables

Perform the partition table restore by clicking on the "Restore Partition Tables" button. Once confirmed, the Partition Table Restore will be initiated. A busy indicator will be displayed while the restore is in progress. Restoring the partition table should not take a lot of time because the partition table fits into one sector - 512 bytes.

#### Notice

Restored partition tables will overwrite the existing partition table layout on the target devices.

| 🔰 Bare Metal Restore  | ed Mullock Selected   |   |
|---|---|---|
| <ul> <li>Introduction</li> <li>Choose Filesystems</li> <li>Host</li> <li>Restore Storage Configuration</li> <li>Choose Partition Tables</li> <li>Select Partition Tables</li> <li>Restore Partition Tables</li> <li>Choose Software RAID Devices</li> <li>Choose LVM Volume Groups</li> <li>Select LVM Volume Groups</li> <li>Restore LVM Volume Groups</li> <li>Restore CVM Volume Groups</li> <li>Restore Options</li> <li>Summary</li> </ul> | Restore Partition Table<br>Before continuing on to mappin<br>perform the partition table rest<br>You must restore the partition<br>Confirm the partition table set<br>the target host.<br>This will overwrite the existin<br>Disable any LVM or software<br>Partition Tables Being Rest<br>Source<br>Alev/sda | s g the filesystems to the partition table layout, you need to ore. tables before proceeding. ings below then click the button to restore the partition tables to g partition table layouts on the target devices. RAID devices before attempting restore ③ tored Target /dev/sda |
|   |   | 🔮 Back   🔊 Next   🞯 Restore   🔗 Cancel  |

When the process is over, click "OK" in the notification pop-up.

| Success                                |
|--|
| Successfully restored partition tables |
| OK                                     |

Click "Next" to proceed to the following step.

| < Back 🚺 🔊 Next 🕽 🕼 Restore 🖉 Cancel |
|--------------------------------------|

13. On the appeared screen, select one of the following options:

- Use Existing Software RAID Devices on Host Bare-Metal restore will use Software RAID Devices that already exist on host.
- Select Software RAID Devices to restore Allows you to choose Software RAID Devices to restore. If you choose this option, go through all of the Software RAID steps. For more information see Performing Bare-Metal Restore with RAID (MD).



Click on "Next" to proceed to the next page.

| < Back 🚺 🔊 Next 📝 Restore 🖉 Cancel |
|------------------------------------|

14. On the appeared screen, select one of the following options:

- Use Existing LVM Volume Groups on Host Bare-Metal restore will use LVM Volume Groups on host.
- Select LVM Volume Groups to Restore Allows you to choose LVM Volume Groups to restore. If you choose this option, go through all of the LVM Volume Groups steps. For more information see Perfoming Bare-Metal Restore with LVM.

| 🔰 Bare Metal Restore  |   |   |
|---|---|---|
| <ul> <li>Introduction</li> <li>Choose Filesystems</li> <li>Host</li> <li>Restore Storage Configuration</li> <li>Choose Partition Tables</li> <li>Choose Software RAID Devices</li> <li>Choose LVM Volume Groups</li> <li>Map Filesystems</li> <li>Restore Options</li> <li>Summary</li> </ul> | Choose LVM Volume Groups<br>Use Existing LVM Volume Groups on Host<br>Select LVM Volume Groups to Restore | - |
|   | Sack Next Restore   |   |

Click on "Next" to proceed to the next page.

|  | < Back 🚺 🔊 Next 🕽 🖓 Restore 🖉 🔗 Cancel |
|--|--|

15. The following step requires you to map the chosen file systems to the devices on the target machine.

| J Bare Metal Restore  |   |
|---|---|
| <ul> <li>▶ Introduction</li> <li>▶ Choose Filesystems</li> <li>▶ Host</li> <li>▶ Restore Storage Configuration</li> <li>▶ Choose Partition Tables</li> <li>▶ Choose Software RAID Devices</li> <li>▶ Choose LVM Volume Groups</li> <li>▶ Map Filesystems</li> <li>▶ Restore Options</li> <li>▶ Summary</li> </ul> | Map Filesystems         The chosen filesystems need to be mapped to devices on the target host.         The target device must be large enough to hold the filesystem, and each target device can only be selected once.         You must map all the filesystems selected for restore before proceeding.         Image: the filesystem selected for restore before for file |
|   | < Back 📎 Next 🔰 Restore 🖉 Cancel  |

From the drop-down menu called "Click to Edit," select destination devices for each source file system.

| 🔰 Bare Metal Restore  | ed ] g Unlock Selected  |   |                                |
|---|---|---|--------------------------------|
| <ul> <li>Introduction</li> <li>Choose Filesystems</li> <li>Host</li> <li>Restore Storage Configuration</li> <li>Map Filesystems</li> <li>Restore Options</li> </ul> | The chosen filesystems<br>The target device must be selected once.<br>You must map all the file | need to be mapped to devices on the target hos<br>be large enough to hold the filesystem, and each<br>systems selected for restore before proceeding. | t.<br>n target device can only |
| Summary   | (*) /boot   | (/dev/dm-0  |                                |
|   |   | < Back 📎 Next   | 🔰 Restore 🛛 🧭 Cancel           |

# Notice The target device must be large enough to hold the file system. Notice

Each target device can be selected once only.

Click "Next" to proceed to the following step.



16. Then you need to define the following options:

- Reboot After Restore Reboots the target host after the restore is performed. Select this checkbox to reboot your Agent after the Bare-Metal Restore is complete. This option is very useful since you have to reboot the target host after restore anyway.
- Check Filesystems After Restore Checks the file systems after the restore is performed.



Click "Next" to proceed to the following step.



17. On the "Summary" page, you will need to confirm the selected Bare-Metal Restore options. Each selected file system is listed along with the name of the target device to which the file system is being mapped.

| J Bare Metal Restore  |   |                          |                    |
|---|---|--------------------------|--------------------|
| Introduction     Choose Filesystems   | Summary   |                          |                    |
| <ul> <li>Choose Filesystems</li> <li>Host</li> <li>Restore Storage Configuration</li> <li>Choose Partition Tables</li> <li>Choose Software RAID Devices</li> <li>Choose LVM Volume Groups</li> <li>Map Filesystems</li> <li>Restore Options</li> <li>Summary</li> </ul> | Summary  Restoring to original host Rebooting After Restore Source Source Source Doot | d<br>Target<br>/dev/dm-1 |                    |
|   |   |                          |                    |
|   |   | 🔇 Back 🔊 Next 🕻          | 🔋 Restore 🔗 Cancel |

Click "Restore" to start the Bare-Metal Restore task.

| I |           |           |          |
|---|-----------|-----------|----------|
| l | Sack Next | 🔰 Restore | O Cancel |
| Ų |           |           |          |

The Bare-Metal Restore task is scheduled. Click "OK".

|   | Success 🛛 🛛       |
|---|-------------------|
| [ | Restore scheduled |
|   | ОК                |

| 0 | Тір  |
|---|--|
|   | The Task results can be sent via email as a Report. See Reporting. |

18. The Restore process starts and can take awhile. You can go to the "Task History" screen to

### observe the task progress. See Accessing Task History.

The Task History page displays the State, Alert, Type, Progress percentage, and the Started time stamp of the Bare-Metal Restore process.

| State 1   | 🔥 Alert 🛛 📝         | Type 💠    | 🚹 Na 💂 Agi      | 🕑 Schedule            | d 💠      | 🛞 Star     | t Time 🛛 💠    | 🧿 Run Time        |      |    |
|---|---------------------|-----------|-----------------|-----------------------|----------|------------|---------------|-------------------|------|----|
| -   |                     | 9         | Bare № CentO    | 5/16/11 3:59          | PM       | 5/16/11    | 3:59 PM       | 30s               | 60   | ). |
| ~   |                     | 9         | Bare № CentO    | 5/16/11 3:34          | PM       | 5/16/11    | 3:34 PM       | 1m 46s            |      | -  |
| <ul> <li>Image: A set of the set of the</li></ul> |                     | 1         | Bare № CentO    | 5/16/11 3:24          | PM       | 5/16/11    | 3:24 PM       | 1m 57s            | -    |    |
| <ul> <li>Image: A set of the set of the</li></ul> |                     | 4         | Archivi CentO   | 5/16/11 3:03          | PM       | 5/16/11    | 3:03 PM       | Os                |      |    |
| <ul> <li>Image: A set of the set of the</li></ul> |                     |           | Archivi CentO   | 5/16/11 3:00          | PM       | 5/16/11    | 3:00 PM       | 7s                |      |    |
| (< <  1   | /2 ▷ ▷ 10           | D Ite     | ms Per Page     |                       |          |            |               |                   |      |    |
|   |                     |           |                 |                       |          |            |               |                   |      | E  |
| 🔒 Summ  | ary 🛛 🕥 Devi        | ices 🛛 🍐  | 🔥 Alerts 🛛 🔝    | Logs 📔 📝 Task         |          |            |               |                   |      |    |
| Bare Meta   | Restore Sum         | mary      |                 |                       |          |            |               |                   |      |    |
|   |                     |           |                 | 🙆 Devices F           | Restored | 1          |               |                   | 0/1  |    |
|   | Running             |           |                 |                       |          |            |               |                   | 0/1  |    |
|   | lask is now ru      | nning     |                 | Contraction Devices F | ailed    |            |               |                   | 0    |    |
| Statistics  |                     |           |                 |                       |          |            |               |                   |      |    |
| ② Restore   | Run Time            | 28        | }s              |                       | 🛃 Ave    | rage Thro  | ughput        | 16.6 MB/s         |      |    |
| 🔩 Total De  | eltas               | 82        | 2.8 MB -> 457.2 | MB (ratio 0.2:1)      |          |            |               |                   |      |    |
| Current O   | peration: / (40     | 0 GB) -   | Restoring       |                       |          |            |               |                   |      |    |
| Itime Re  | emaining 1m 1       | 11s       | O Time El       | apsed                 |          |            |               |                   |      |    |
|   |                     |           |                 |                       |          |            | -9            |                   |      |    |
|   |                     |           |                 |                       |          |            | <b>*</b> 466. | B MB / 1.6 GB     |      |    |
| Verbose Statu   | s: Last sent block: | s 119,467 | through 119,494 | of 423,390            |          |            |               |                   |      |    |
| 🛃 Average   | e Throughput        | 16        | 6.6 MB/s        |                       | 📲 Delt   | tas Restor | ed            | 457.2 MB / 1.6 G  | в    |    |
| 🔤 Current   | Network Rate        | 6.        | 9 MB/s          |                       | 💝 Con    | npressed S | Size          | 82.8 MB (ratio 0. | 2:1) |    |
|   |                     |           |                 |                       |          |            |               |                   |      |    |

# Note

You can find more information about the Restore process by reading the Log Messages. The Log Messages for the selected Task are displayed at the bottom of the page.

| ource 🔽 💂 Agent 🔽 | Server        | Level 🔽 | 🔞 Info 🔽 🙆 Warn 🔽 🎇 Error 🛛 🛃 Download Log Msgs           |  |
|-------------------|---------------|---------|---|--|
| 🕑 Message Time    | Level         | Source  | E Message   |  |
| 2/4/10 9:39:25 AM | <li>Info</li> | Server  | Attempting to connect to agent 10.61.200.94 at port 1167  |  |
| 2/4/10 9:39:25 AM | <li>Info</li> | Server  | Connected to agent 10.61.200.94 at port 1167 successfully |  |
| 0/2/10 7:07:48 PM | <li>Info</li> | 🖳 Agent | Discovering devices available for CDP                     |  |
| 2/4/10 9:39:25 AM | <li>Info</li> | Server  | Restoring device / to /dev/hda                            |  |
| 2/4/10 9:39:25 AM | <li>Info</li> | Server  | Sending bare metal restore request                        |  |
| 2/4/10 9:39:25 AM | <li>Info</li> | Server  | Restoring blocks  |  |
| 0/2/10 7:13:27 PM | <li>Info</li> | 🚽 Agent | Executing a file system check of device /dev/hda          |  |
| 0/2/10 7:14:24 PM | <li>Info</li> | 🖳 Agent | Rebooting machine   |  |
| 2/4/10 9:46:00 AM | <li>Info</li> | Server  | Task Finished   |  |

19. When the process is complete, you can reboot the server you just restored by pressing Ctrl-Alt-Del or by executing the reboot command in the root shell.

# 1 Notice

Make sure you eject the Disk from the CD-ROM drive so the server will boot from the hard Disk.

# Note

If the Disk you used for your Bare-Metal Restore is larger than the Disk you backed up previously, the free space on the new Disk will remain free. You can create a new Partition in this space.

| State  | 🔥 Alert  | 🛃 Type 💠                          | 🕤 Na 💂 Ag     | 🎱 Scheduled 🗦                                       | 🕥 Start Time 🗦  | 🧿 Run Time |     |   |
|--|--|-----------------------------------|---------------|---|-----------------|------------|-----|---|
|  | <u> </u>   | <u> </u>                          | Archivi CentO | 5/16/11 4:00 PM                                     | 5/16/11 4:00 PM | 4s         |     | - |
| <ul> <li>Image: A second s</li></ul> |  | 1                                 | Bare № CentO  | 5/16/11 3:59 PM                                     | 5/16/11 3:59 PM | 1m 48s     |     |   |
| ~  |  | 9                                 | Bare № CentO  | 5/16/11 3:34 PM                                     | 5/16/11 3:34 PM | 1m 46s     |     |   |
| <ul> <li>Image: A set of the set of the</li></ul>  |  | 3                                 | Bare № CentO  | 5/16/11 3:24 PM                                     | 5/16/11 3:24 PM | 1m 57s     |     |   |
| <ul> <li>Image: A set of the set of the</li></ul>  |  |                                   | Archivi CentO | 5/16/11 3:03 PM                                     | 5/16/11 3:03 PM | Os         |     | - |
| < < 1  | /2 > >   | 10 Ite                            | ms Per Page   |   |                 |            |     |   |
|  |  |                                   |               |   |                 |            |     |   |
|  |  |                                   |               |   |                 |            |     | 8 |
| 🔒 Sumn   | nary 💿 D   | evices 👔 🎸                        | 🔥 Alerts 🛛 🔝  | Logs 📝 Task   |                 |            |     |   |
| 🚯 Sumn<br>Bare Meta  | nary 💿 D<br>al Restore S   | evices (                          | 🎦 Alerts 📔 🔛  | Logs 📝 Task   |                 |            |     |   |
| 3 Sumn<br>Bare Meta  | nary 💿 D<br>al Restore Si<br>Success                                 | ummary                            | 1 Alerts 🛛 📗  | Logs 📝 Task   | red             |            | 1/1 |   |
| 3 Sumn<br>Bare Meta  | al Restore S<br>Success<br>Bare Metal<br>successfully                | ummary<br>Restore cor             | Alerts 🔄 I    | Logs 📝 Task<br>🖉 Devices Restor<br>🔀 Devices Failed | red             |            | 1/1 |   |
| <ul> <li>Summ</li> <li>Bare Meta</li> <li>Statistics</li> </ul>  | al Restore So<br>Success<br>Bare Metal<br>successfully               | evices (<br>ummary<br>Restore con | Alerts 🛛 🔄 I  | Logs 🗹 Task<br>🖉 Devices Restor<br>🔀 Devices Failed | red             |            | 1/1 |   |
| <ul> <li>Summ</li> <li>Bare Meta</li> <li>Statistics</li> <li>Restor</li> </ul>  | al Restore Si<br>Success<br>Bare Metal<br>successfully<br>e Run Time | ummary<br>Restore con             | Alerts E      | Logs 🕑 Task   | red             | 16.4 MB/s  | 1/1 |   |