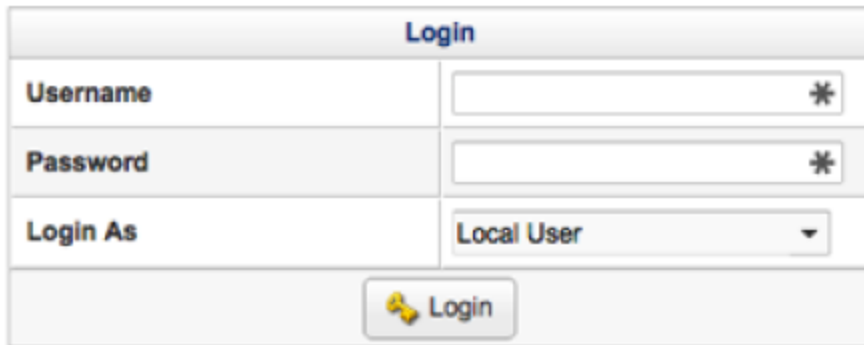


# R1Soft Backup: Bare Metal Restore

- [Login to R1Soft Server](#)
- [Setting up the Restore process](#)

## Login to R1Soft Server

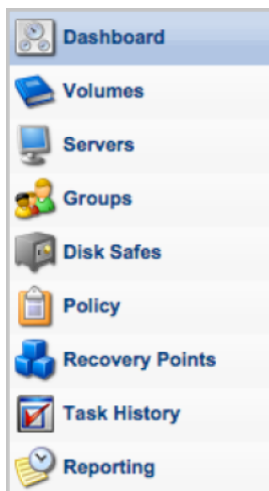
1. Login to backup portal with the credentials in your welcome email.



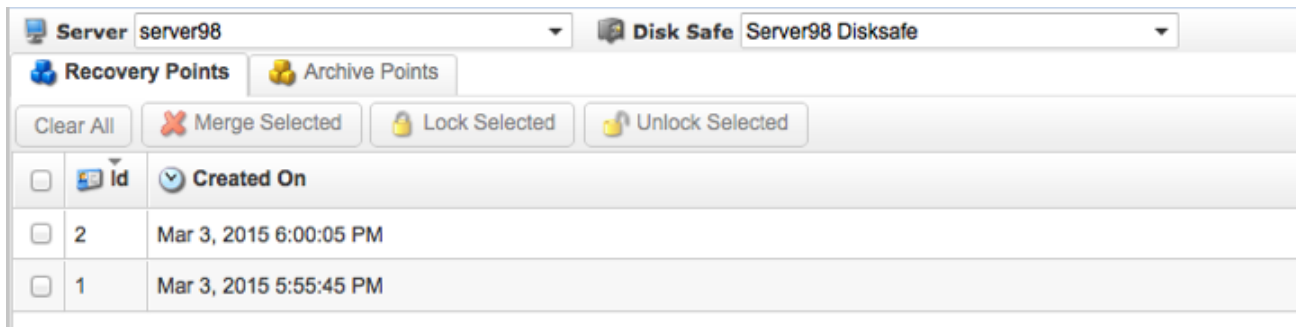
The login form is titled "Login" in blue text. It contains three input fields: "Username" with a text box and a "\*" icon, "Password" with a text box and a "\*" icon, and "Login As" with a dropdown menu showing "Local User". Below these fields is a "Login" button with a yellow key icon.

## Setting up the Restore process

1. Select 'Recovery Points' in the bottom left:



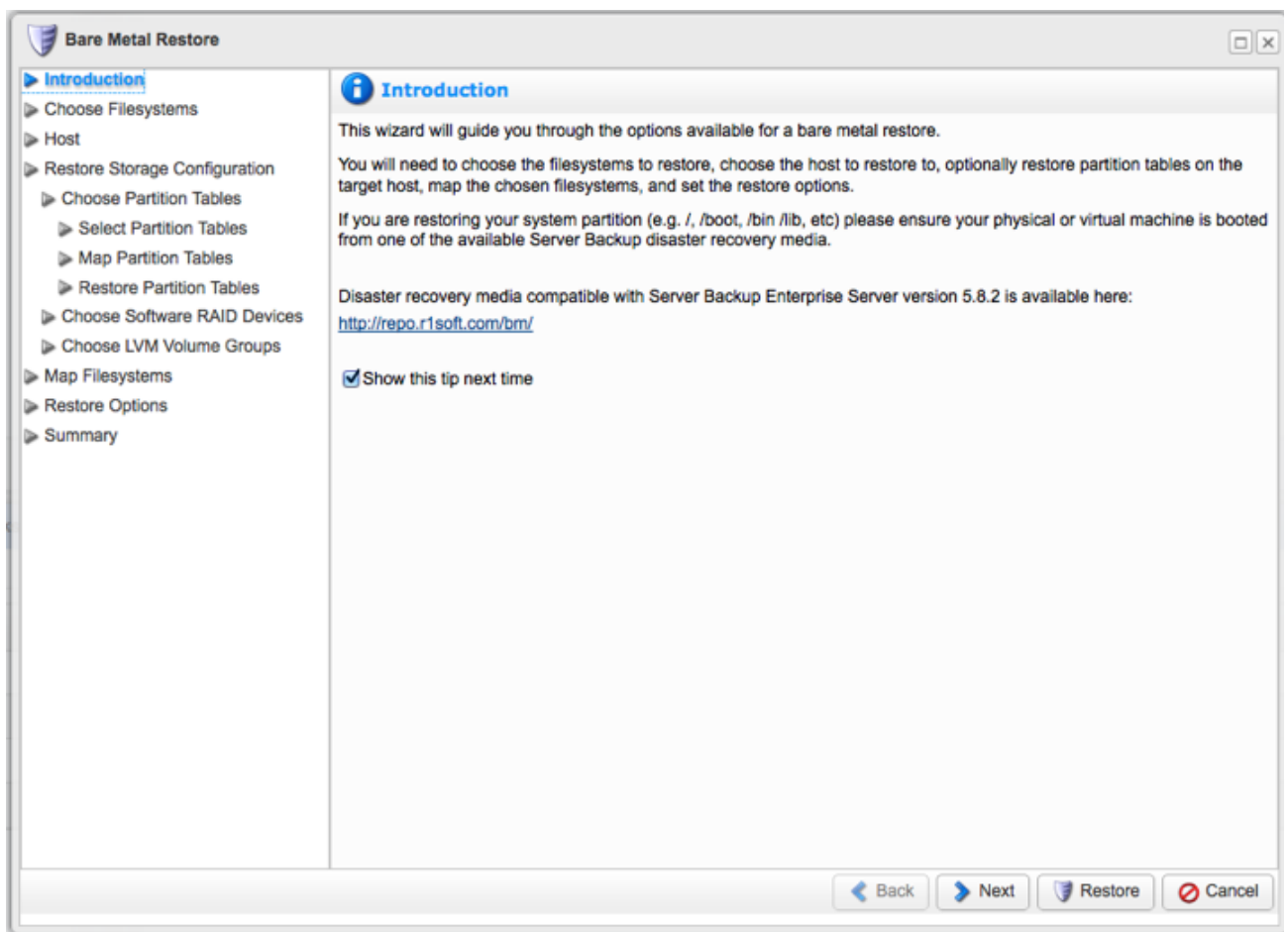
2. At the top select your server and the disk safe:



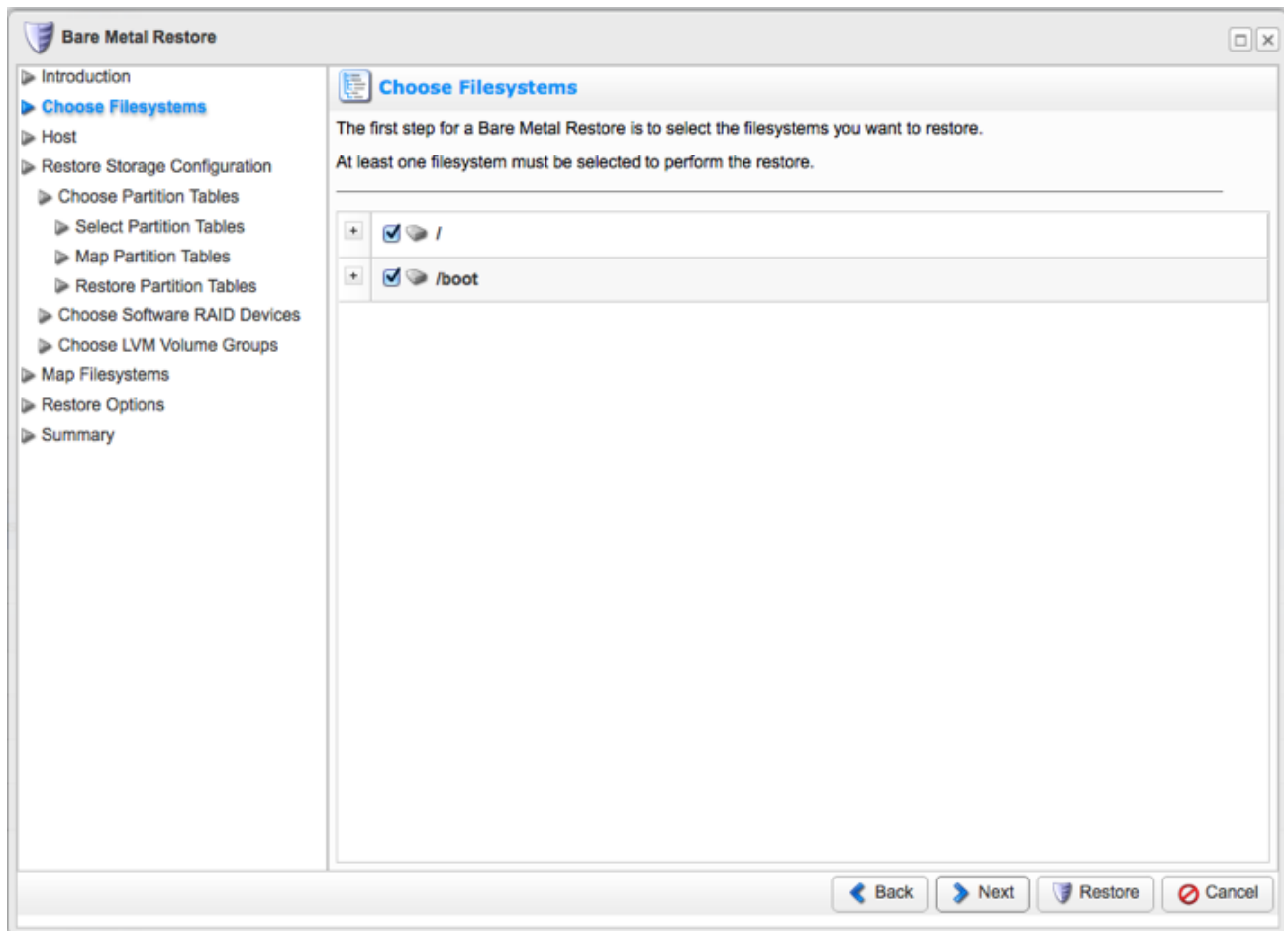
3. Select the recovery point you want to recover from and click on the Bare Metal Restore icon on the right side:



4. The Bare Metal Restore panel will appear:



5. Click Next to get to the Choose Filesystems page:



Select the partitions/filesystems that you want to restore. If this a full restore then you should select all.

6. Click Next to get to the 'Host' page:

The screenshot shows a window titled "Bare Metal Restore" with a sidebar on the left and a main content area on the right. The sidebar contains a list of steps: Introduction, Choose Filesystems, Host (highlighted with a blue arrow), Restore Storage Configuration, Choose Partition Tables, Select Partition Tables, Map Partition Tables, Restore Partition Tables, Choose Software RAID Devices, Choose LVM Volume Groups, Map Filesystems, Restore Options, and Summary. The main content area is titled "Host" and contains the following text: "When performing a bare metal restore, you have three options for selecting the host:". Below this text are three bullet points: "Restoring to the original host will connect to the hostname and port configured when the recovery point was created.", "Restoring to an alternate agent will connect to the selected agent's hostname and the specified port.", and "Restoring to an alternate hostname will connect to the specified hostname and port.". Below the bullet points are three radio button options: "Restore to Original Host" (selected), "Restore to Alternate Agent", and "Restore to Alternate Host Name/IP". The "Restore to Alternate Agent" option has a dropdown menu labeled "Agent". The "Restore to Alternate Host Name/IP" option has two text input fields: "Host Name/IP" and "Port" (containing the value "1167"). At the bottom right of the window are four buttons: "Back", "Next", "Restore", and "Cancel".

**Bare Metal Restore**

Introduction  
Choose Filesystems  
**Host**  
Restore Storage Configuration  
Choose Partition Tables  
Select Partition Tables  
Map Partition Tables  
Restore Partition Tables  
Choose Software RAID Devices  
Choose LVM Volume Groups  
Map Filesystems  
Restore Options  
Summary

**Host**

When performing a bare metal restore, you have three options for selecting the host:

- Restoring to the original host will connect to the hostname and port configured when the recovery point was created.
- Restoring to an alternate agent will connect to the selected agent's hostname and the specified port.
- Restoring to an alternate hostname will connect to the specified hostname and port.

☒ Restore to Original Host

☐ Restore to Alternate Agent

Agent

☐ Restore to Alternate Host Name/IP

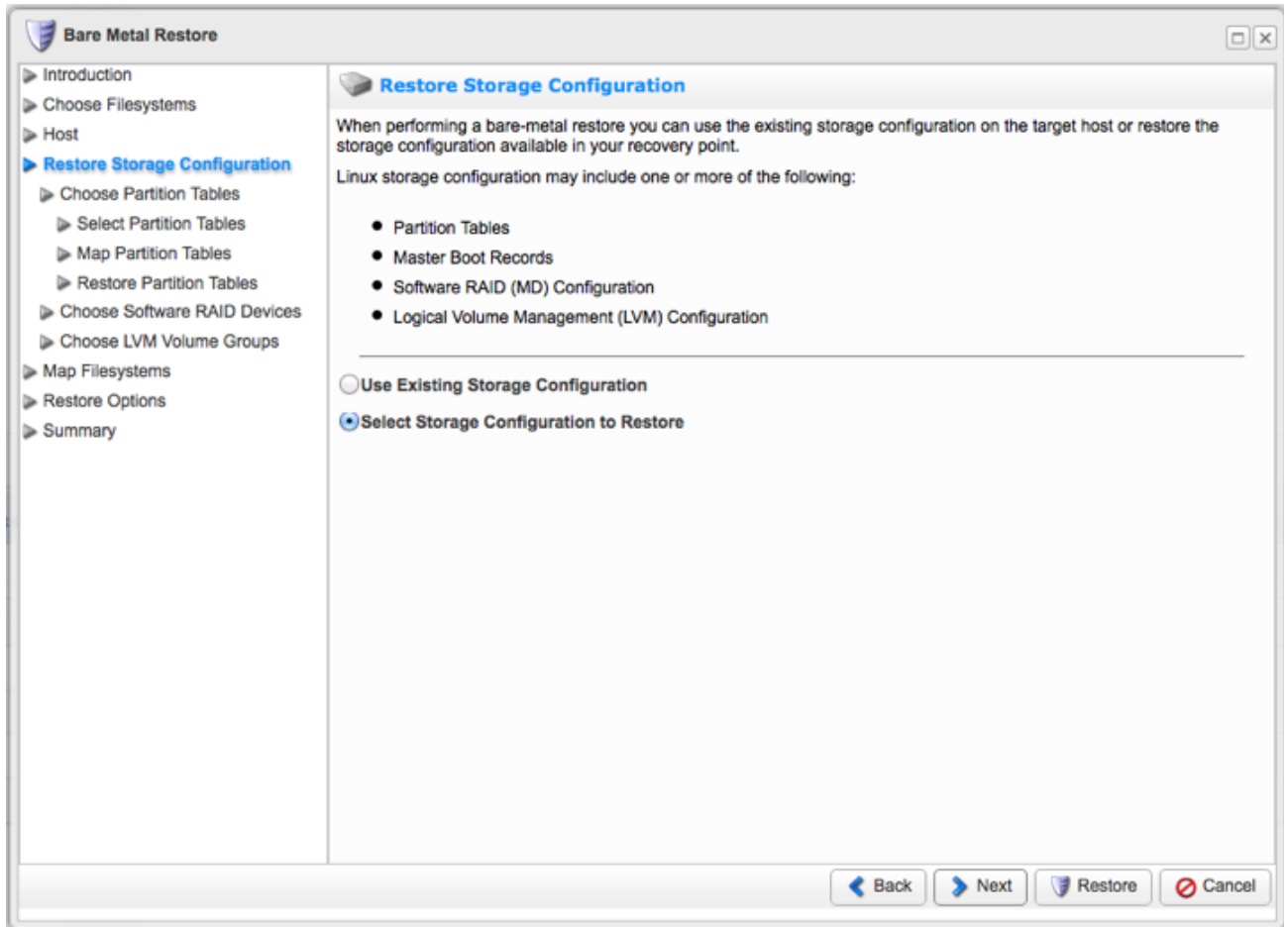
Host Name/IP

Port

Back Next Restore Cancel

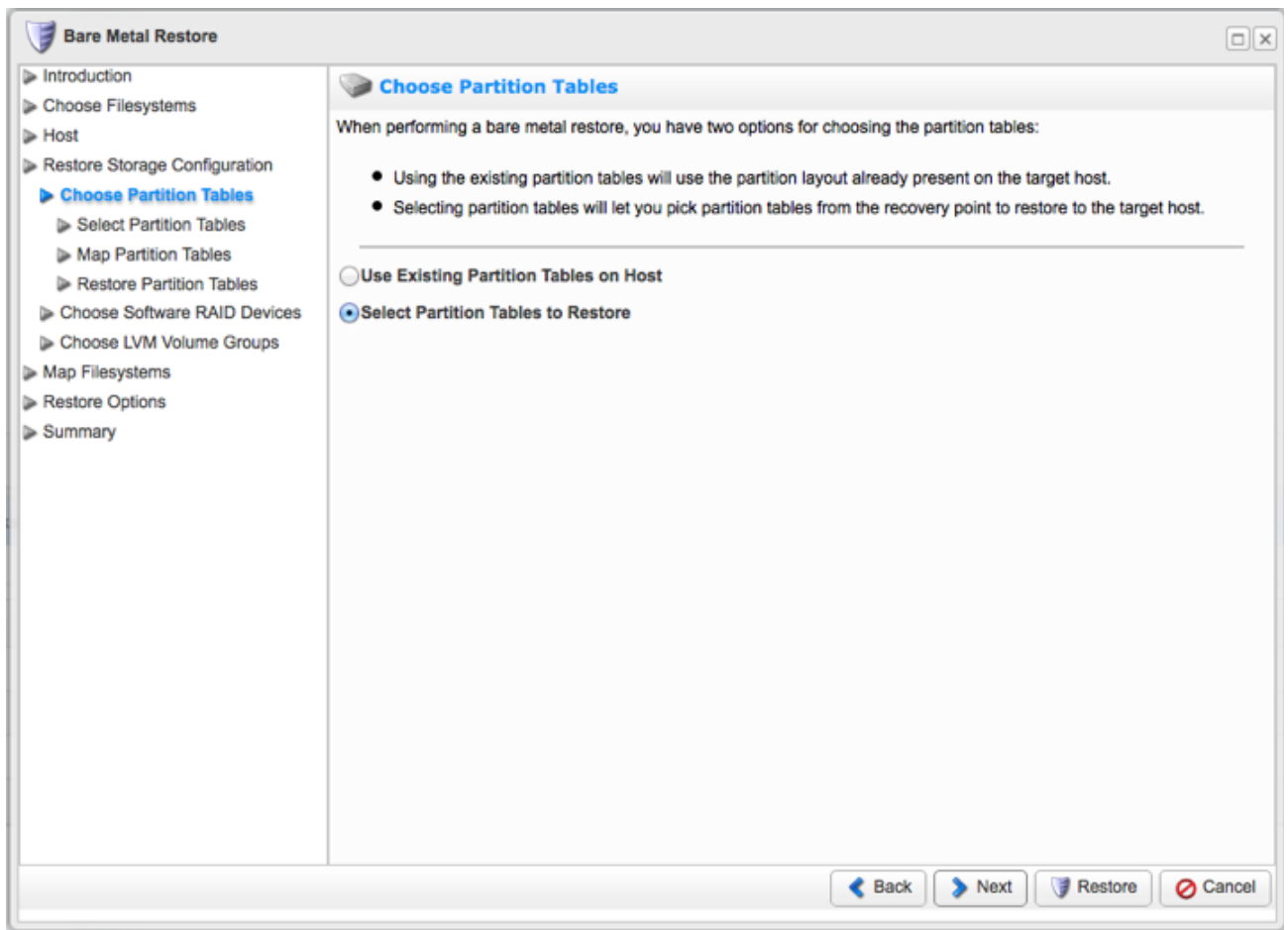
If you are restoring to the same server with the same IP address, then you can leave the setting as 'Restore to Original Host'; if not then you will need to select an alternate agent or set an IP address for an alternate system.

7. Click Next to get the 'Restore Storage Configuration' page:



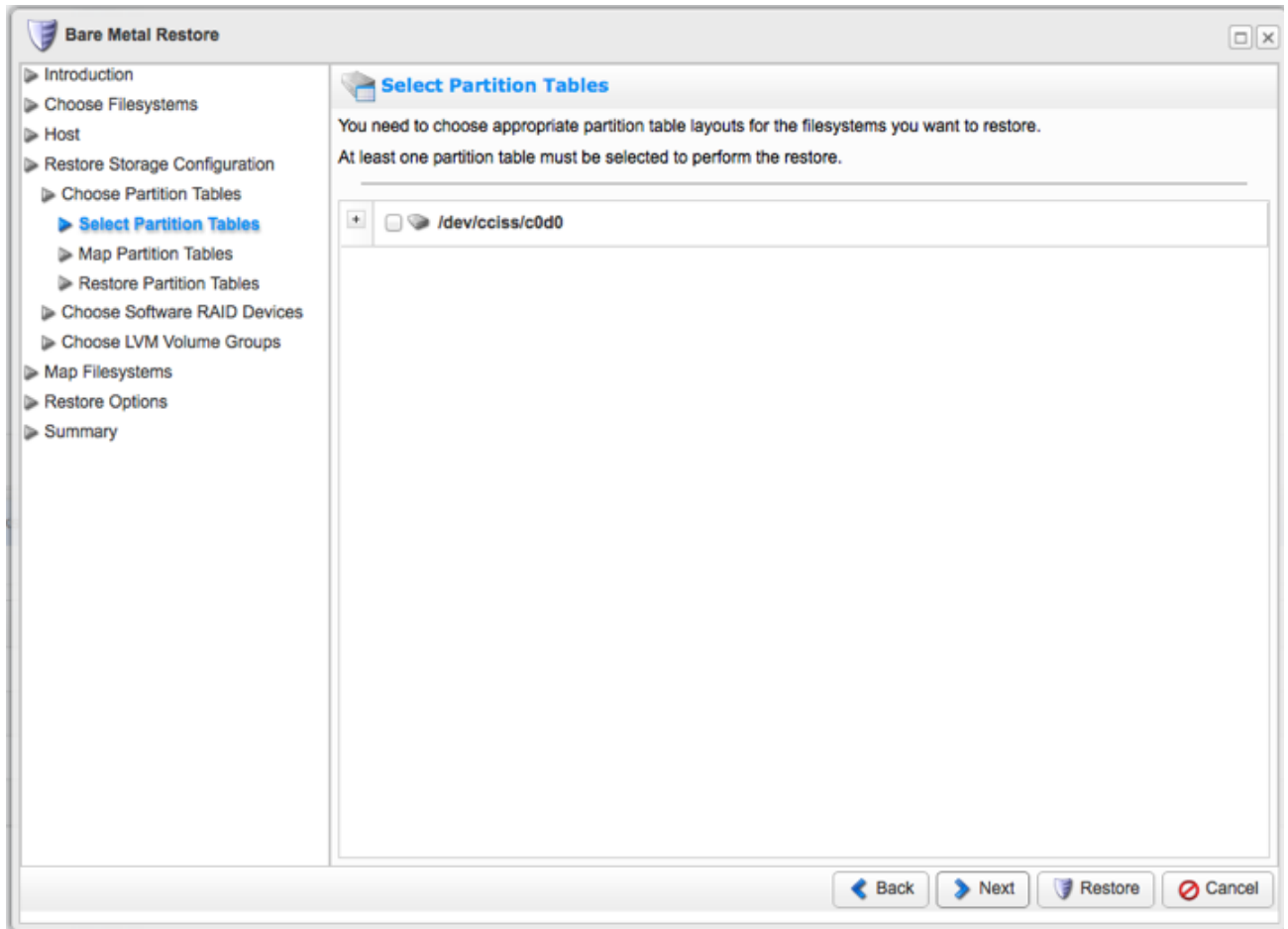
Assuming that you want to restore the system to the exact same disk configuration as before, you should select 'Select Storage Configuration to Restore'. This will overwrite any data/partitions on the destination server.

8. Click Next to get to the 'Choose Partitions Tables' page:



Assuming that you want to restore the system to the exact same disk configuration as before, you should select 'Select Partition Tables to Restore'. This will overwrite any data/partitions on the destination server.

9. Click Next to get to the 'Select Partitions Tables' page:



Select the disk/partitions that you wish to restore. If you wish to do a complete restore, then select all disks.

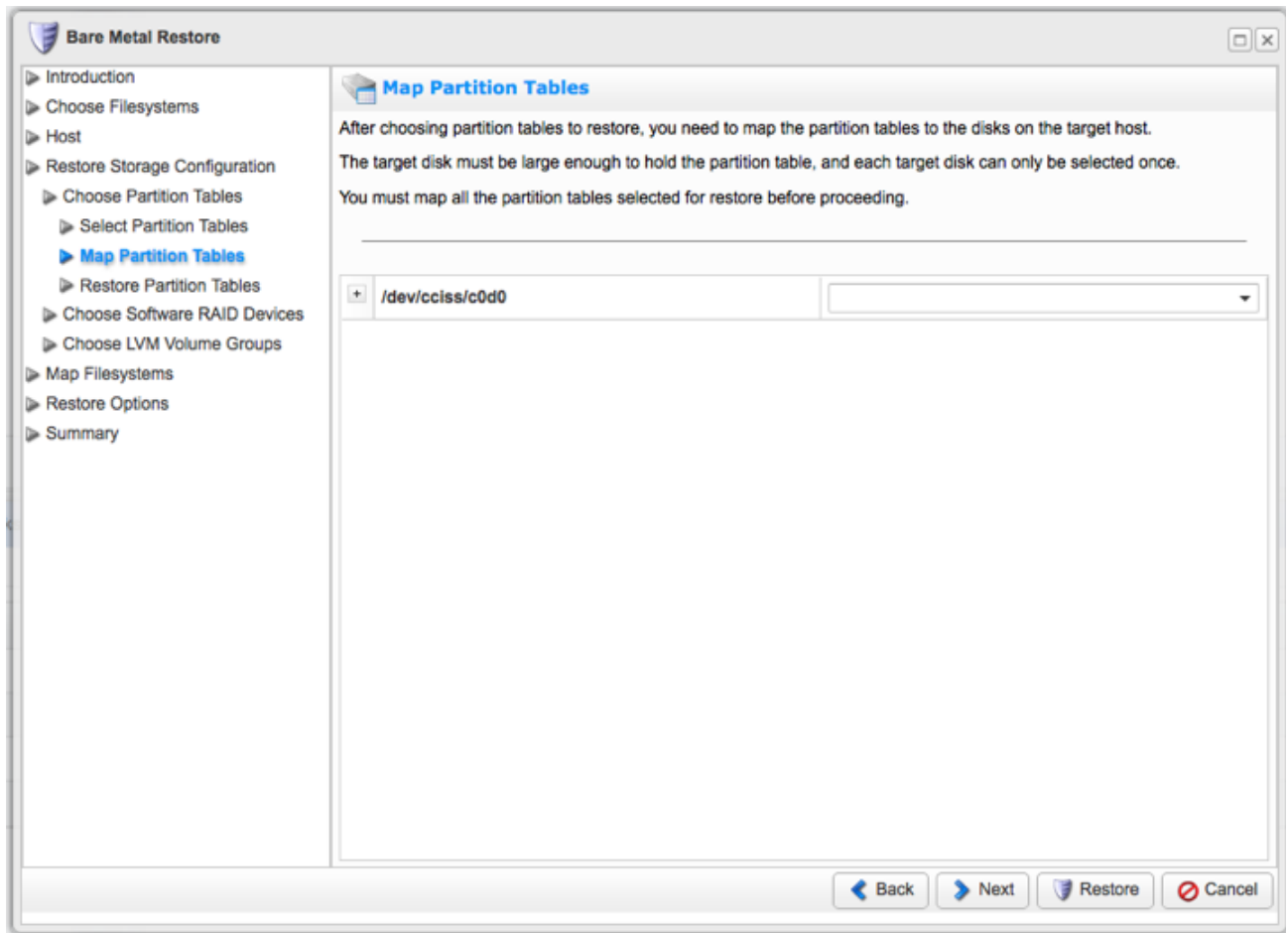
At this point the backup manager will attempt to contact the target server. If the agent is not running or the server is uncontactable then an error message will be generate:



If this happens, confirm that the agent is running on the target server.

10. Click Next to get to the 'Map Partitions Tables' page:





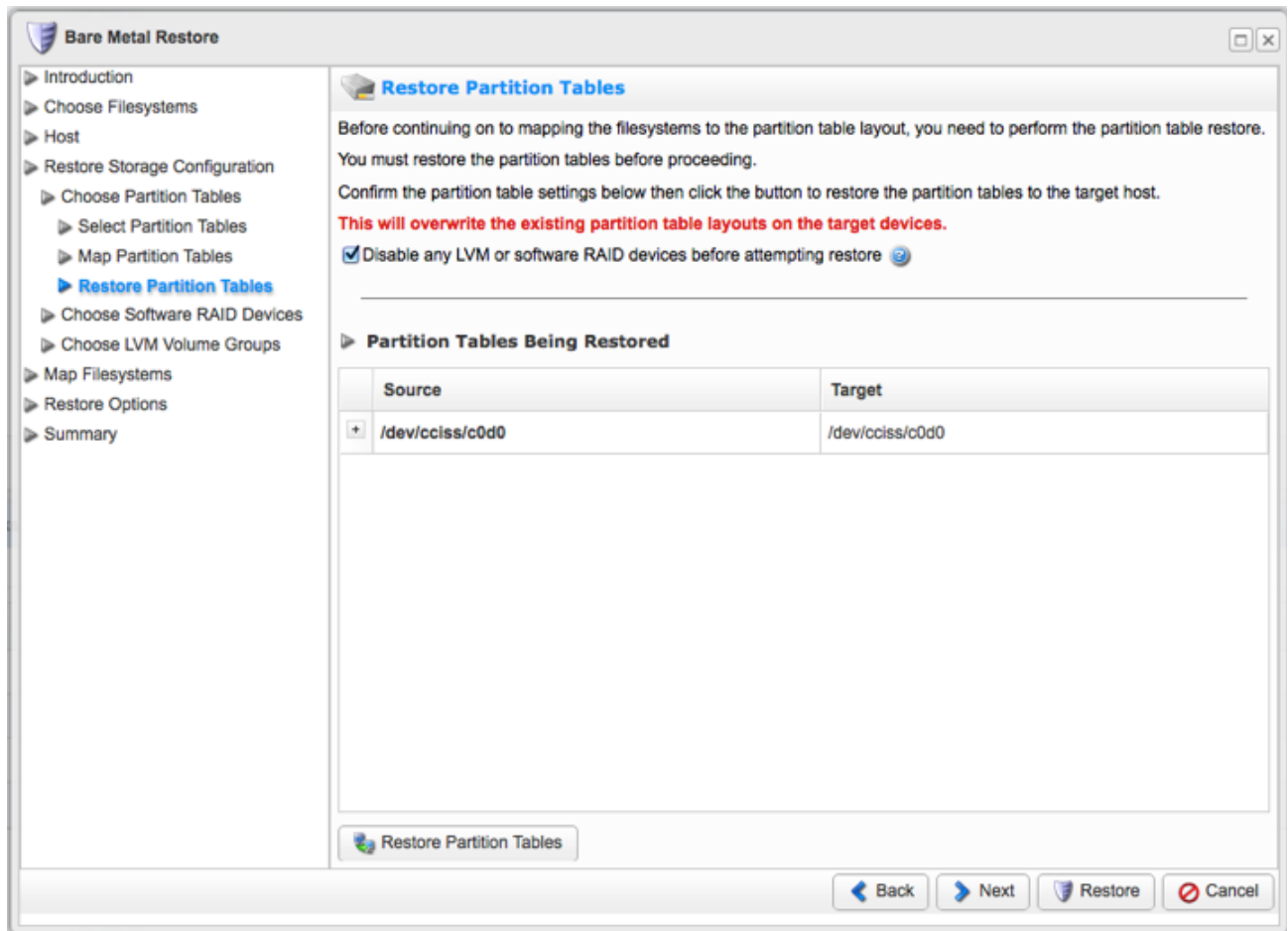
You now need to map the partitions from the backup to the actual hardware:



The left side shows the disks from the backup and the right shows the two possible devices on the server. They should be the same:



11. Click Next to get to the 'Restore Partitions Tables' page:



Confirm that the source and target disks are correct and before taking another step, triple check that you are restoring to the right machine. The next step will destroy any data on the target machine.

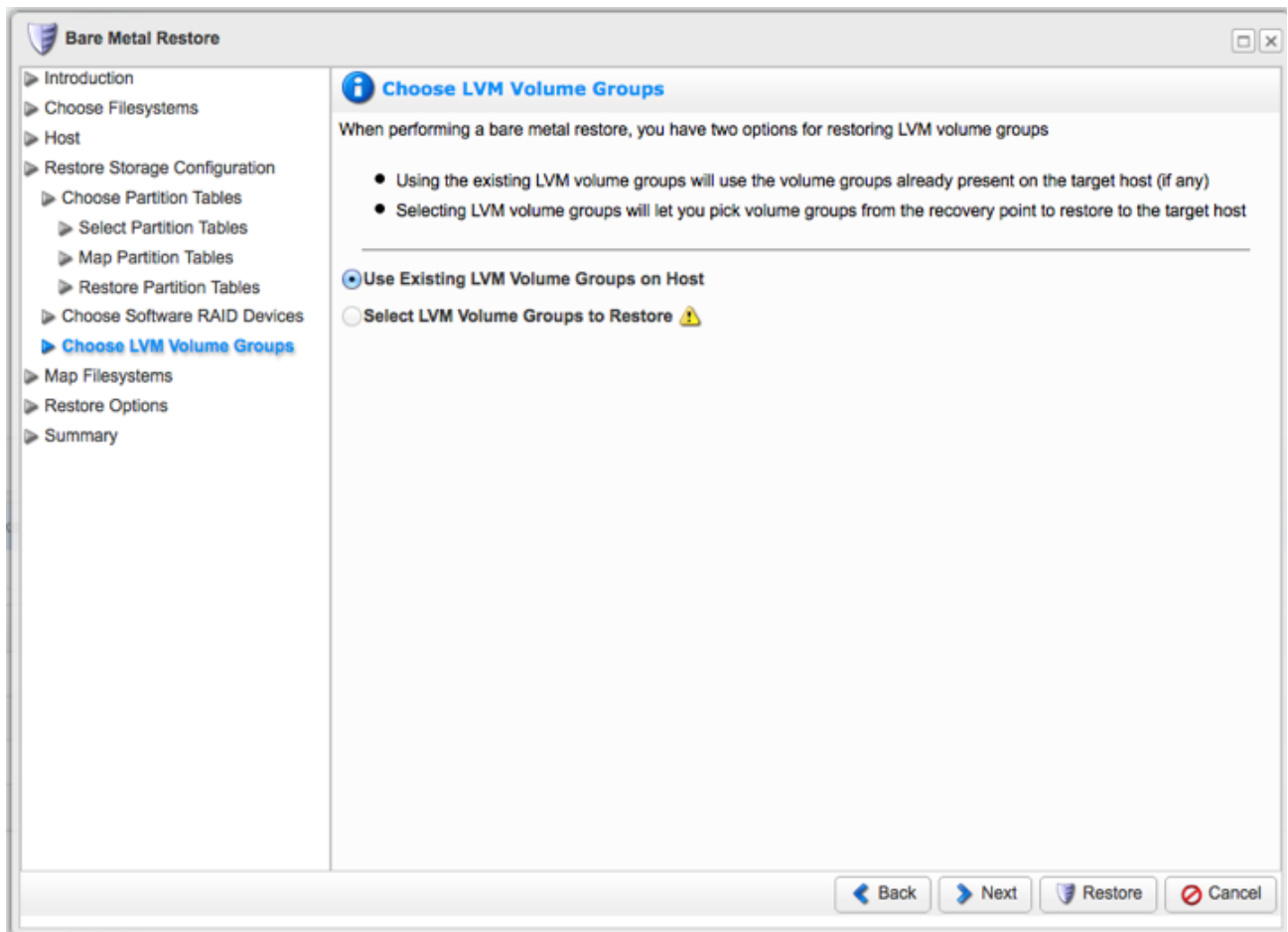
If you are 100% sure, then click on the 'Restore Partition Tables' button.

Once the partition tables are written to the target disk, you will get a popup to confirm:



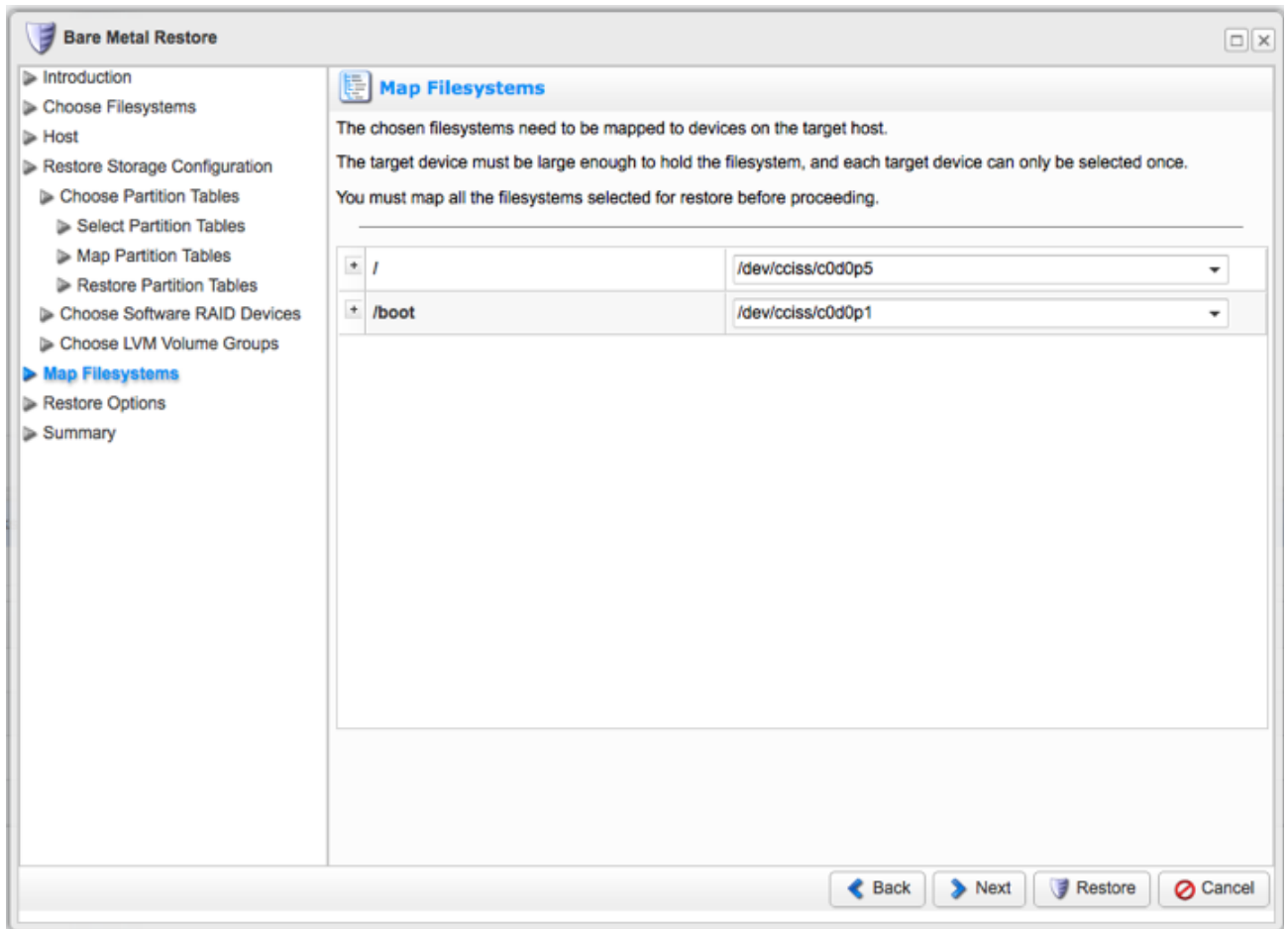
Click OK to close it.

12. Click Next to get to the 'Choose LVM Volume Groups' page:



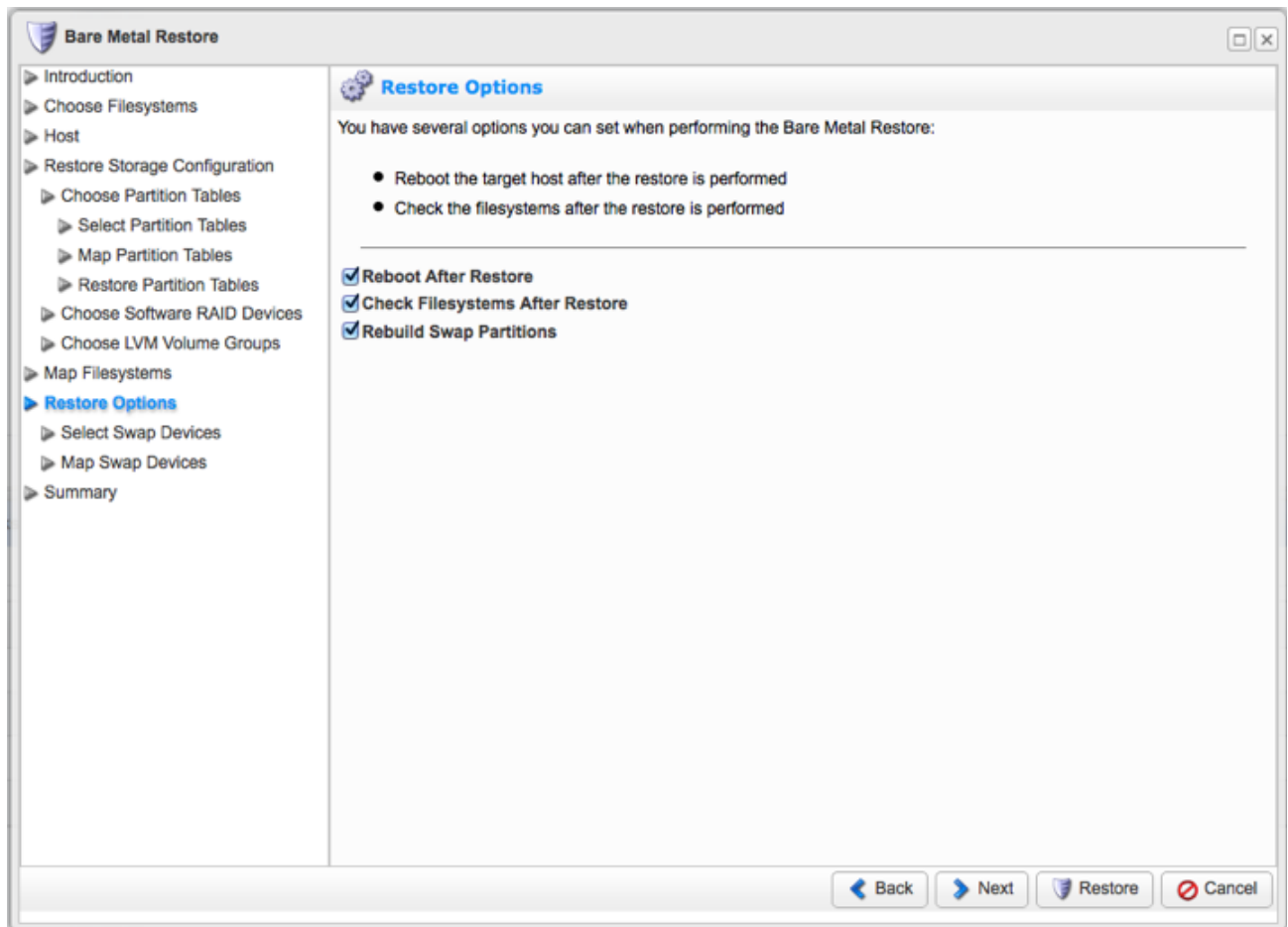
You should choose 'Select LVM Volume Groups to Restore' if you have LVM groups in your backup. In this example we do not, so will leave it at the default setting.

13. Click Next to get to the 'Map Filesystems' page:



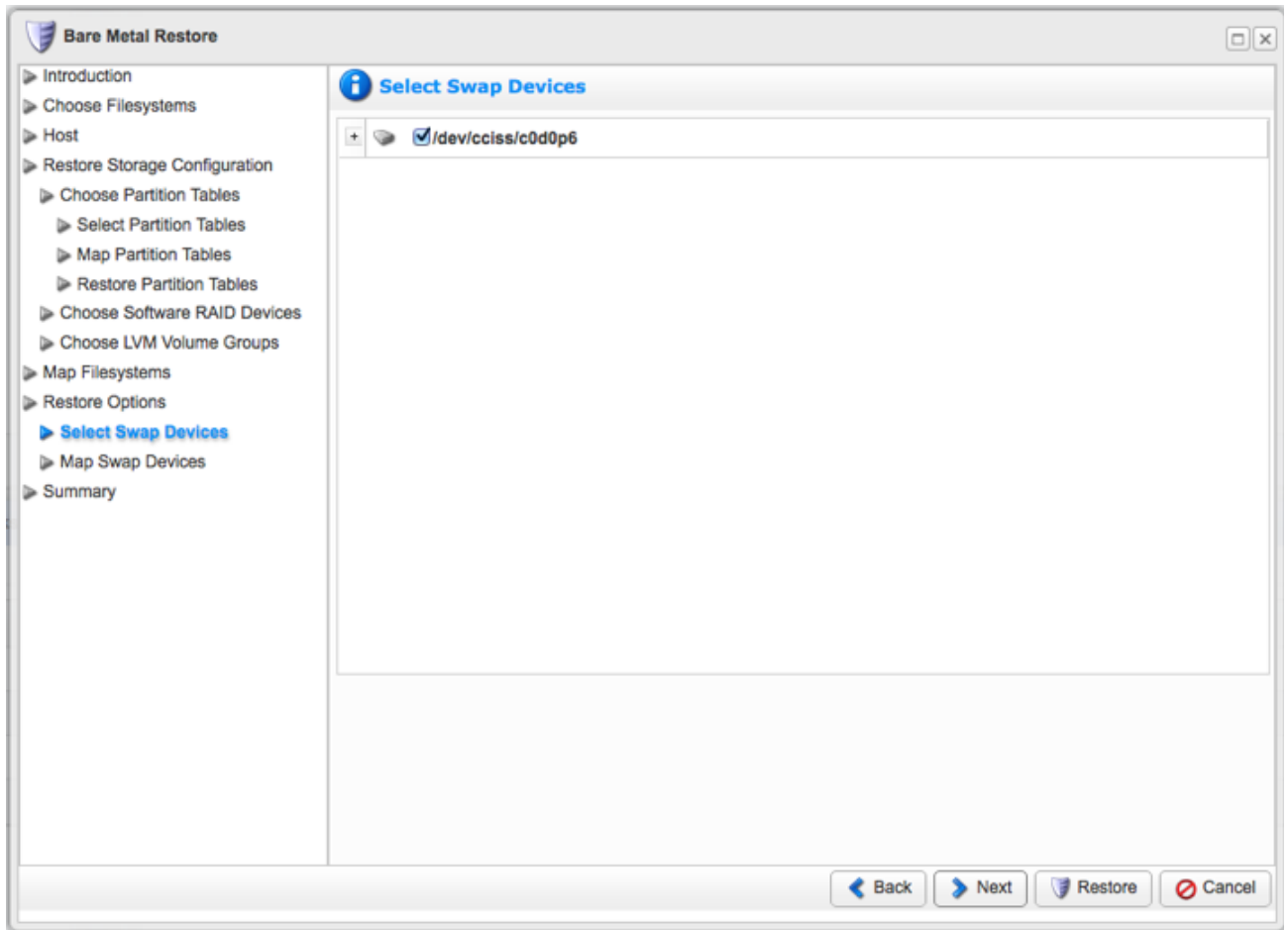
The backup manager will attempt to work out which partition name should be mapped to which partition device. Check them and if they are incorrect adjust them accordingly.

14. Click Next to get to the 'Restore Options' page:



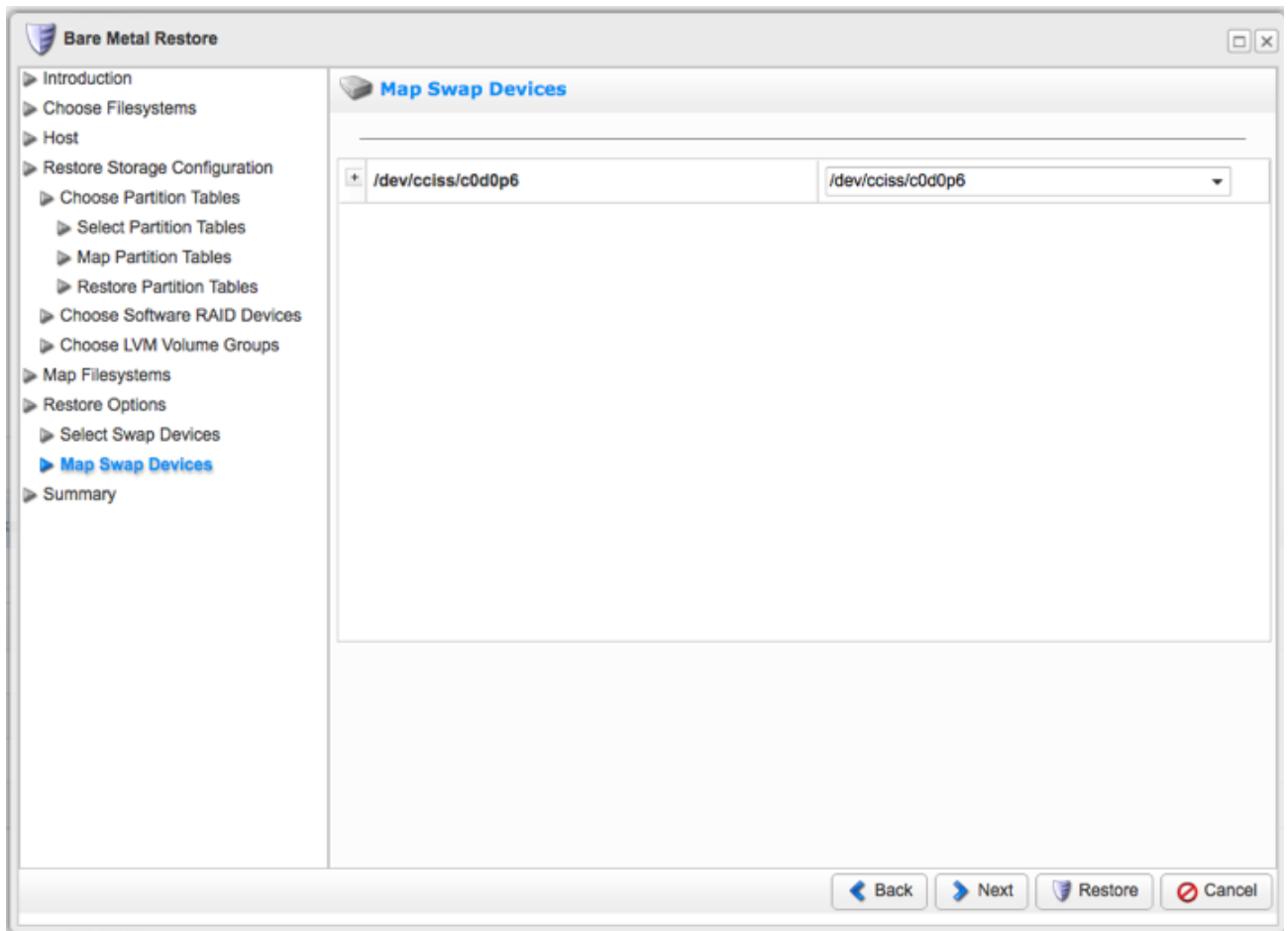
Select Reboot after restore, check filesystems and rebuild swap. This will ensure that everything is properly restored and verified.

15. Click next to get to the 'Select Swap Devices' page:



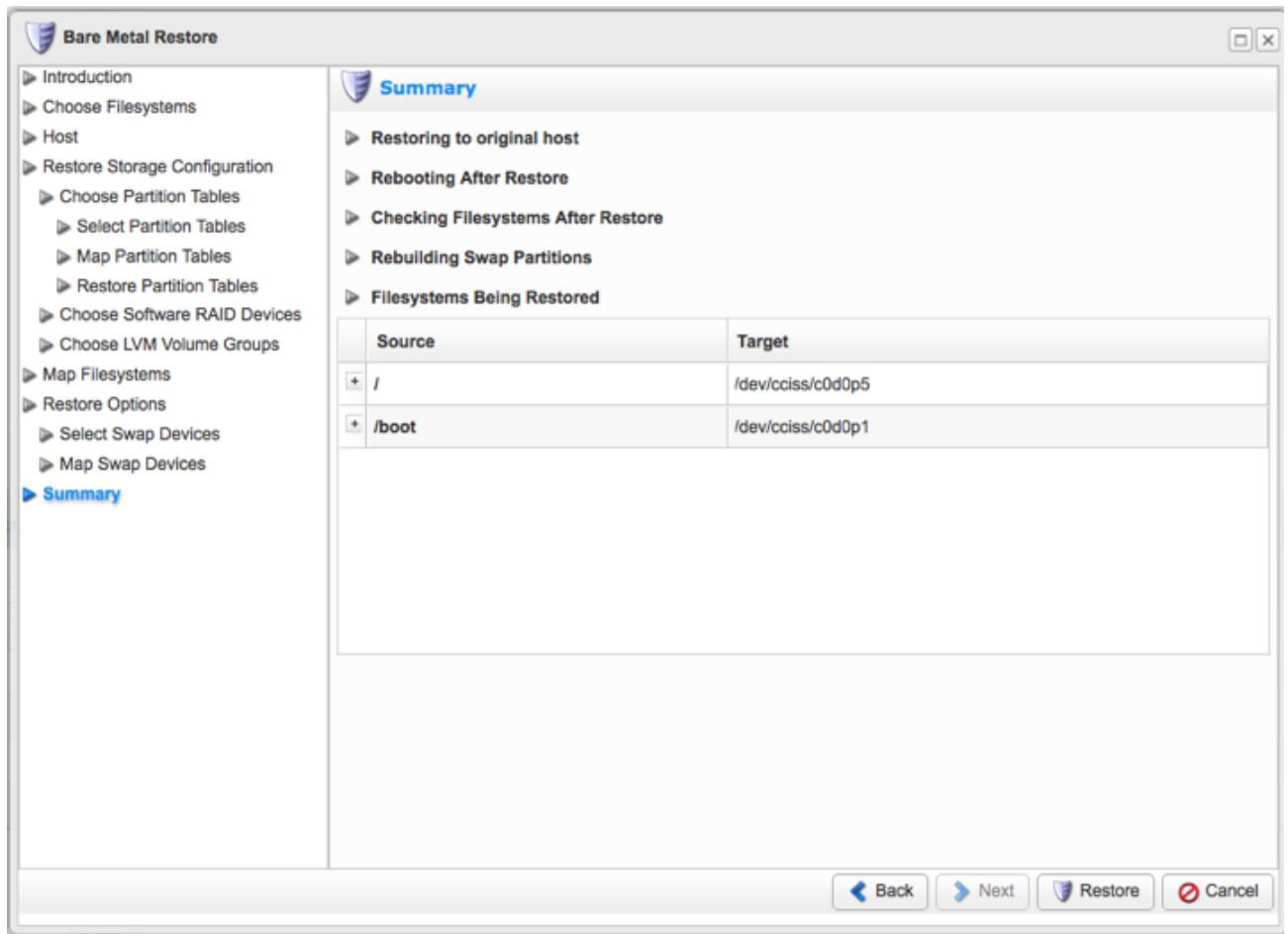
The backup manager will display the swap devices that it has detected from the backup.

16. Click next to get to the 'Map Swap Devices' page:



The backup manager will attempt to work out which partition name should be mapped to which partition device. Check them and if they are incorrect adjust them accordingly.

17. Click next to get to the final 'Summary' page:



Double check everything and when you're ready click 'Restore'

18. Restoration will start and a progress box will appear:



Summary

Devices

Alerts

Logs

Restore

Task

Bare Metal Restore Summary

Running

Task is now running

Devices Restored

0 / 2

Devices Failed

0

Statistics

Restore Run Time	11s
Total Deltas	1.7 MB -> 2.3 MB (ratio 0.8:1)

Current Operation: /boot (237 MB) - Restoring

Time Remaining

2m 2s

Time Elapsed

Verbose Status:

Last sent blocks 2,280 through 2,344 of 34,242

Average Throughput	260 KB/s
Current Network Rate	258.8 KB/s
Average Network Rate	197.5 KB/s (peak 259 KB/s)

Depending on the size of the backup, this can take a long time, it's a block-by-block restore.

If you have any questions, please do not hesitate to contact us.

**This guide is provided without warranty expressed or implied. With any data backup or restoration process there is a risk and it should be only undertaken by someone with sufficient training and expertise.**