

## Physical Imaging Standard - Restoring to VHD/X Files

<https://campus.barracuda.com/doc/73702252/>

### Applicable Products

These instructions apply to the following products:

- Barracuda Intronis Backup - MSP

### Overview

VHD/X is the virtual hard disk file type used by Microsoft's Hyper-V hypervisor. This restore type restores a VHD/X for each volume that you select.

The ECHOplatform agent produces the following files depending on the format that the user chooses:

- VHD: Windows 7, Windows 2008, Windows 2008 R2
- VHDX: Windows 8, Windows 8.1, Windows 10, Windows 2012, Windows 2012 R2, Windows 2016

All virtual hard disks are recovered as dynamic disks.

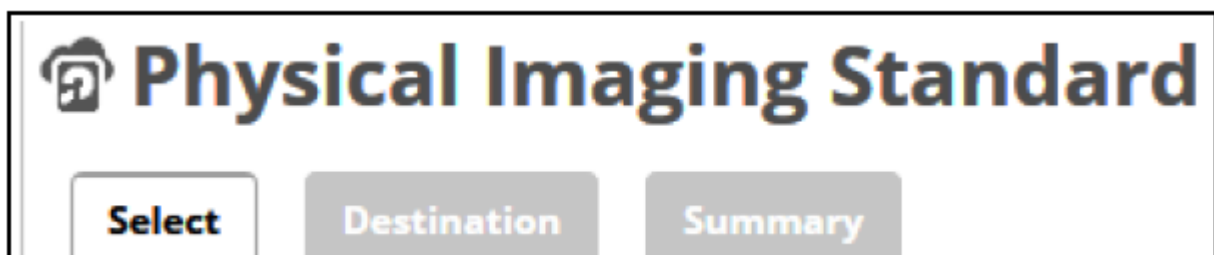
Virtual hard disks take the following naming convention by default:

Recovery\_{machine\_name}\_{volume or volume group label}

Example: Recovery\_LT-R9RLN75\_Boot

You can attach the Hyper-V disks (VHD files) that are restored to an existing VM.

### Physical Imaging Standard VHD/X File Restore Tabs



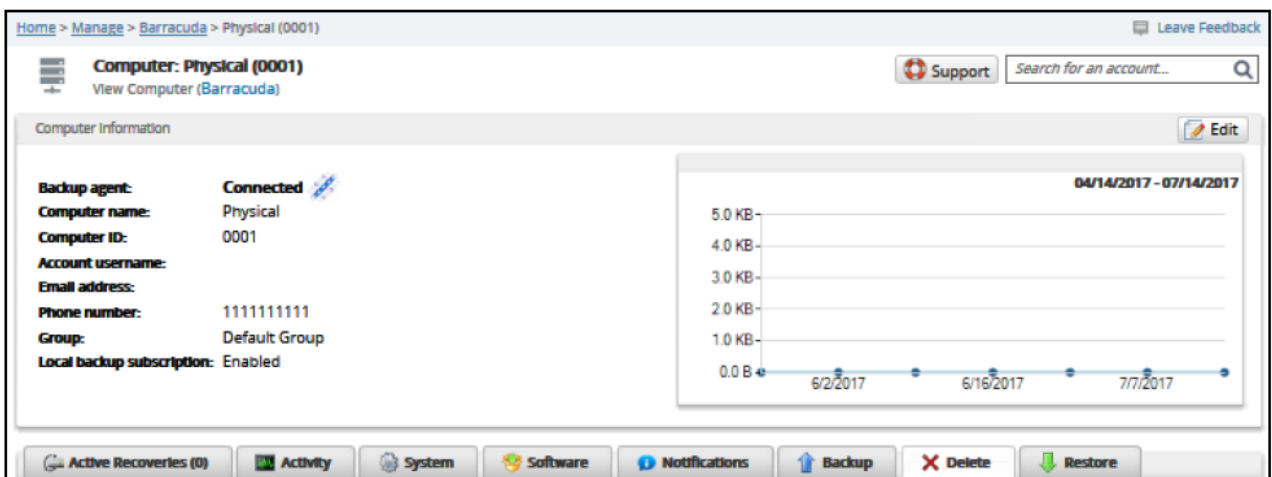
The following table provides a description of the page features.

Page	Description
Select	Select the volumes to restore to VHD/X files.
Destination	Choose what format is used to restore the data and choose where the data is restored.
Summary	A list of your selections is displayed

## Restore Volumes/Revisions to VHD/X Files


To restore Physical Imaging Standard volumes/revisions to VHD/X Files, perform the following steps.

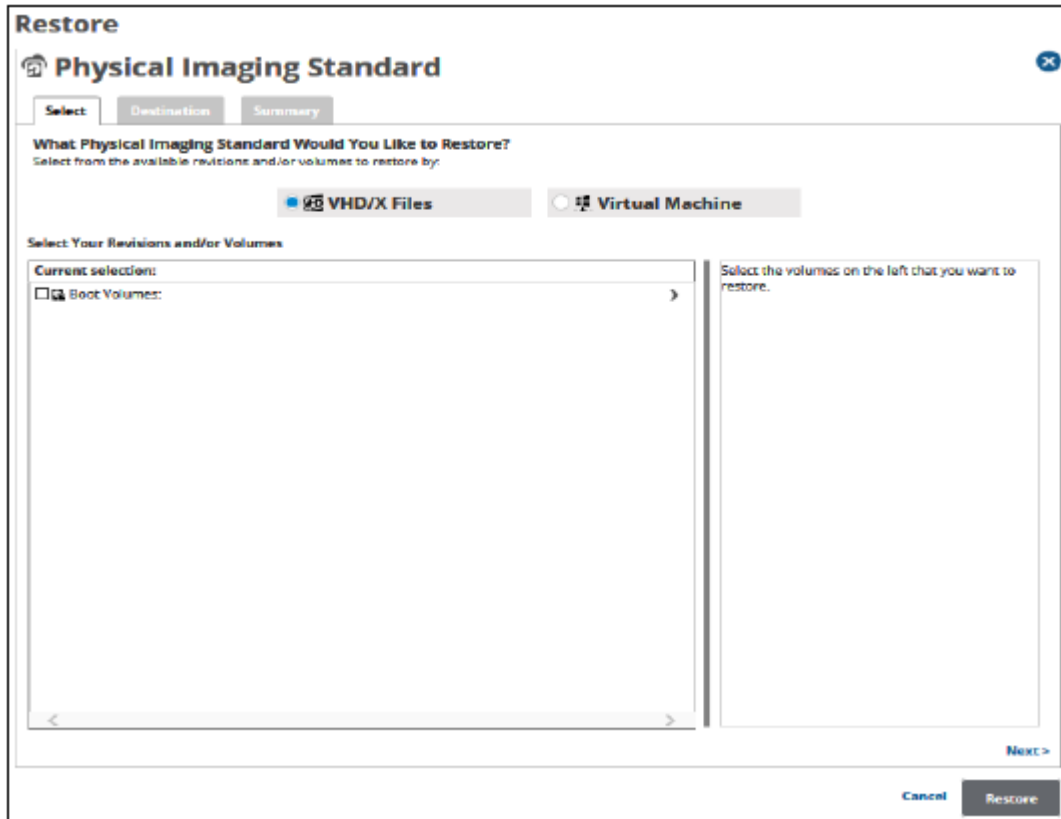
1. Navigate to the Computer page.  
The Computer page is displayed.



2. Click the **Restore** tab.  
The Restore Selections page is displayed.



3. Click the restore  icon of the backup type you want to restore.  
The Select page is displayed.



**Restore**

**Physical Imaging Standard**

**Select** Destination Summary

What Physical Imaging Standard Would You Like to Restore?  
Select from the available revisions and/or volumes to restore by:

☒ VHD/X Files ☐ Virtual Machine

Select Your Revisions and/or Volumes

Current selections:

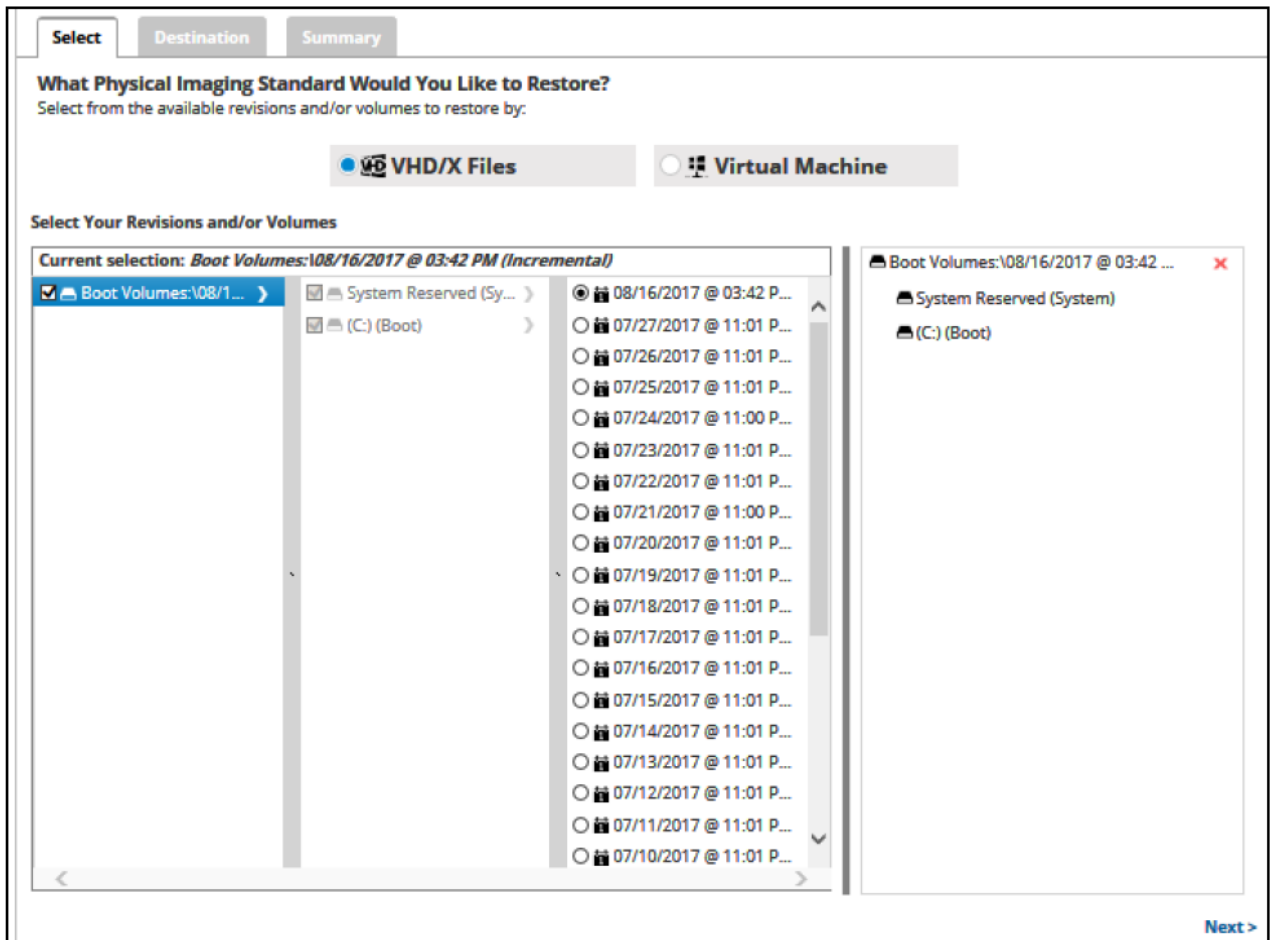
☐ Boot Volumes:

Select the volumes on the left that you want to restore.


Next >


Cancel Restore

- Click the **VHD/X Files** radio button.  
The Physical Imaging Standard revisions and volumes are displayed.

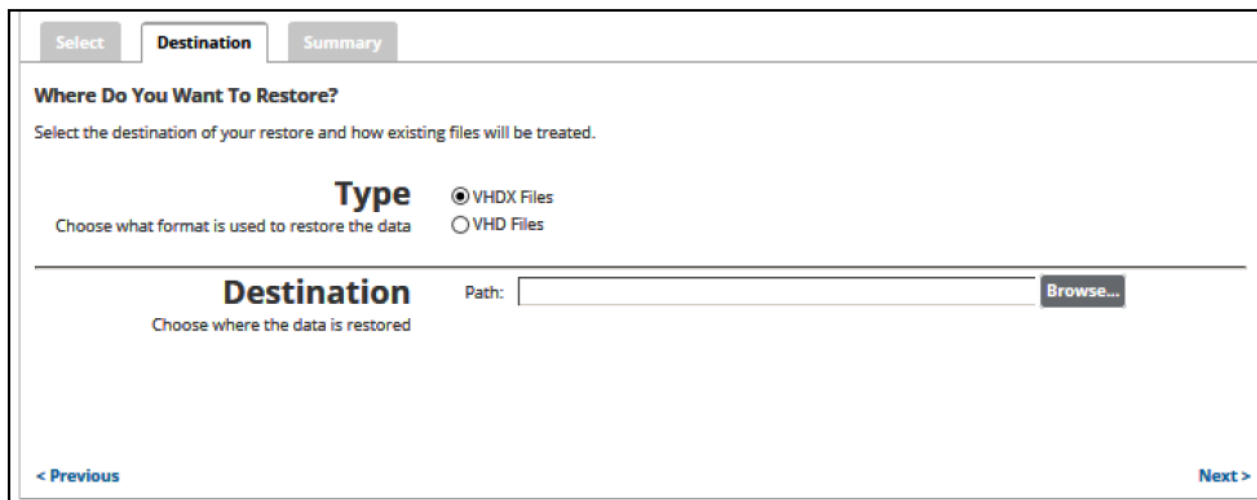


5. In the Current Selection pane, select the revision and/or volumes you would like to restore.

Clicking the arrow  at the right of the items displays more revisions/volumes.

The selection is displayed in the right pane. Click the remove  icon to remove any selections

6. After making your selections, click **Next**.  
The Destination page is displayed.



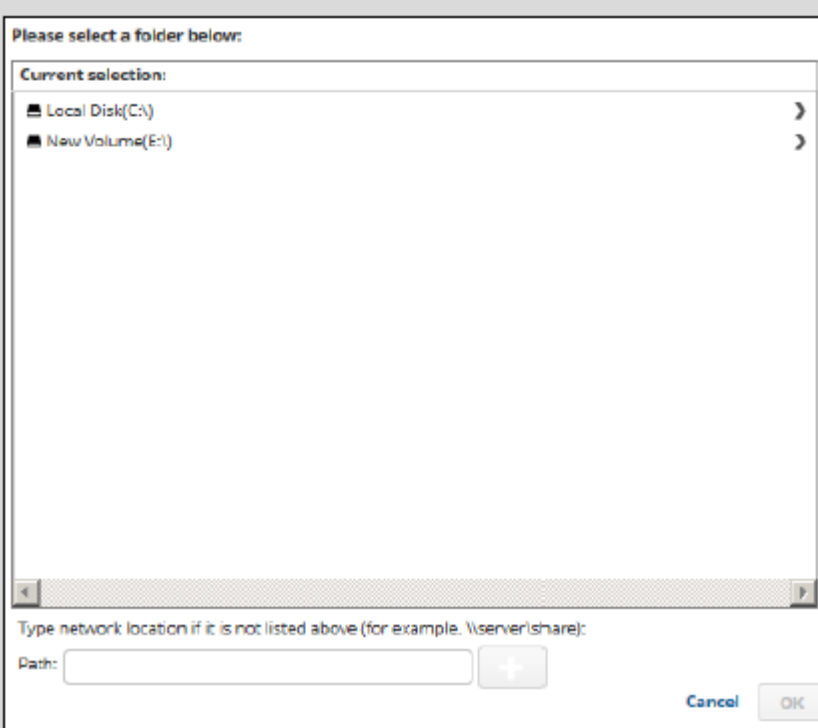
The screenshot shows the 'Destination' tab of a restore wizard. At the top are three tabs: 'Select', 'Destination' (active), and 'Summary'. Below the tabs is the heading 'Where Do You Want To Restore?' followed by the instruction 'Select the destination of your restore and how existing files will be treated.' The 'Type' section has the heading 'Type' and the instruction 'Choose what format is used to restore the data'. It contains two radio buttons: 'VHDX Files' (selected) and 'VHD Files'. The 'Destination' section has the heading 'Destination' and the instruction 'Choose where the data is restored'. It features a 'Path:' label, a text input field, and a 'Browse...' button. At the bottom left is a '< Previous' link, and at the bottom right is a 'Next >' link.

7. At the Type section, select either the **VHDX Files** or the **VHD Files** radio button.
8. At the Destination Path field, type a path, or click the **Browse** button to select the destination of your restore.

### Browse option


- a. Click the **Browse** button.

The folder options are displayed.




**b. Select the destination.**

The OK button is activated.



**c. Click OK.**

The address is displayed in the Path field.



**d. To add a network location that is not listed, perform the step below.**

**Adding a Network Location**

**a. To restore VHD/X files on another network location that is not listed, type the network path address in the Path field as shown in the example below.**

Type network location if it is not listed above (for example, \\server\share):

Path:

The add button is activated.

b. Click the add  button.

9. After selecting the destination of your restore, click **Next**.  
The Summary page is displayed.

Select Destination Summary

**Select** Contains 2 Volume(s) selected, size : 8.22 GB (estimated)

- System Reserved
- (C:)

**Destination** Restored to C:\Recovery  
Type: VHDX Files

< Previous

Cancel

10. Verify your selections, and then click the **Restore** button.  
The confirmation pop-up is displayed.

You are about to restore backed up data using the settings you just defined.

Proceed with this restore?

No

11. Click **Yes**.  
The Restore Selections page is displayed with the status.

## Figures

1. Image\_VHD\_1.png
2. Image\_VHD\_2.png
3. Image\_VHD\_3.png
4. Restore Icon.png
5. Image\_VHD\_4.png
6. Image\_VHD\_5.png
7. arrow.png
8. Remove.png
9. Image\_VHD\_6.png
10. Image\_VHD\_7.png
11. Image\_VHD\_8.png
12. Image\_VHD\_9.png
13. Image\_VHD\_10.png
14. Image\_VHD\_11.png

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