

Restoring Physical Imaging Rapid Recovery via Bare Metal Recovery

https://campus.barracuda.com/doc/93197927/

Prerequisites

You must perform the following tasks, before to restore Physical Imaging Rapid Recovery via Bare Metal Recovery (BMR):

- Download the Bare Metal Recovery Media:
 - Downloading the Recovery Media Creator as an ISO File
 - Downloading the Recovery Media Creator as a USB Flash Drive
- Ensure the computer has at least 500 MB of hard drive space.

Running Recovery Media

To run the Recovery Media, perform the following steps.

1. Boot the recovery machine from the disk or flash drive to start the recovery application. The Bare Metal Restore screen is displayed.

	Bare	Metal Restore	×
	Bare Metal Restore:		
	Start Recovery Wizard	This wizard will walk you through each step required to perform a bare metal restore.	
-			_
	Troubleshooting Tools:		
	Add Drivers to Recovered Machine	Use <u>only</u> if you've gone through the recovery wizard and the restored machine fails to boot.	
	Add Drivers for WinPE	Use if the recovery application does not recognize this machine's hardware.	
	Open Command Line	Use to open the command-line interface (cmd.exe)	

2. Click **Start Recovery Wizard** . The log in screen is displayed.



	User Login	×
To ensure data se with this account/c	curity, you must enter the log-in crea computer (not partner log-in credenti	dentials associated als).
Username:	Please enter account username]
Password:	Please enter computer password	0
Computer ID:	Y]
	Login	

3. Type your credentials, select the Computer ID, and then click the **Login** button. **Note** : Credentials are not case sensitive.

If you have a private key associated to your computer, you are prompted to enter it. The Select Backup Set Type screen is displayed with **Physical Imaging Rapid Recovery** selected as the default.

Recovery Wizard	
Select Backup Set Type Select the backup set type you want to restore Physical Imaging revisions from.	Step (1/5)
Physical Imaging Rapid Recovery	
O Physical Imaging Standard	
Debug Logging Enabled	
Den cmd.exe	Next >

4. Optionally select the **Debug Logging Enabled** check box, and then click **Next** . The Select Backup Restore Source screen is displayed.

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Select from where you wa	ore Source ant to restore your Physical Imaging Standard revisions.	Step (2/5)
Restore from Cloud	l Catalog	
O Restore from Secor	ndary Catalog	
Path:	Browse	1

5. Select a Source Catalog option radio button and then click **Next** .

IF	THEN
IF there is not at least 500 MB of space available for the restore, the following error message is displayed.	a. Click OK . The Restore Catalog page is displayed.
	Type network location if it is not listed above (for example, liserver/ahare): Path: D. Select a location or type a path to a network share with at least 500 MB space to restore the catalog file and then click Add.



a restore catalog file already exists, the following message is displayed.	a. Click OK . b. Delete the existing catalog or provide a new share for the recovery catalog, as		
Error	shown below.		
The selected directory already has one or more catalog file(s): \\10.12.144.216\share\catalog.fdb Please clear any catalog files from the target location before proceeding.	Image: Strate Strate Image: Strate Strate Image: Strate S		
ОК	a the function of 0 a the function of 0 a the function of 0 d function function of 0 function of 0 funct		

The catalog is restored and the Select Recovery Volumes screen is displayed.

Recovery Wizard	— ×
elect Recovery Volumes elect the volumes and revisions you would like to restore to	this machine Step (3/5)
SELECT VOLUMES TO RESTORE:	VOLUMES SELECTED FOR RESTORE: Boot Volumes: (7/24/2023 12/29:32 AM) System Reserved (System) C: (Boot)
 7/24/2023 12:29:32 AM (Inc) 7/21/2023 12:25:31 AM (Inc) 7/20/2023 11:39:35 PM (Inc) 7/16/2023 10:42:03 PM(Full) 	
Log file will be downloaded to this path: X:\P2P\logs\download\a79d5228-c24b-4c9b-952d-	Use this option to download older logs from the servers Download log

6. Select the volumes and the revisions to be restored.

The selections are displayed in the right pane.

The latest version of a volume is selected for restore by default. You can restore older versions of volumes by clicking on the volume name and selecting the revision in the Select Revision box.

7. Click Next.

If the backup is online only, the recovery media takes the blocks directly from the Cloud. If the backup is online & local or local only, the Local Vault Location is displayed.

Note : If the restore is local only, you must select the path for Local vault.

If the restore is online & local, you can click **Cancel** to advance to the Map Recovery Volumes to Target Disks page.

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2	Local Vault Location	•		x
Select #	e Local Vault location of your source machine's image backups:			
0 0 0 0	MyComposter			
Type ne	twork location if it is not listed above (for example, Vserver/share):			
Path:			Add	
		-		-

8. Select the Local Vault location of your source machine's image backups, and then click **OK**. The Map Recovery Volumes to Target Disks screen is displayed.

🚅 Recovery Wiz	zard				×
Map Recovery Recreate the orig	y Volumes to Target inal disk layout to make a	Disks an exact copy of this machine, or map source volu	mes to volumes on the tard	Step (jet machine indivi	4/5) dually.
Automatic	Delete all existing data of	on this machine and automatically recreate the orig	inal source partitions.		
🔿 Manual	Manually create and edi existing volumes.	t partitions on this machine using Disk Managemen	nt and map the source volu	mes individually t	o new or
					gement
Source Volume		Target Volume	Volume Label	Volume Letter	Bootable?
System Reserved	d (217.09 KB / 500.00	System Reserved (217.09 KB / 500.00 MB)	System Reserved		Yes
C: (823.21 MB /	99.51 GB)	C: (823.21 MB / 99.51 GB)		C:	Yes
					·
Open cmd.exe			< Ba	ck St	art Recovery
_					

Important The automatic option erases all data on the target machine. You can retain data using the manual option, but as a best practice it is recommended to back up any data to be kept on the target machine before starting a bare metal restore. Ensure that the disk has enough space to store those volumes.

- 9. To automatically restore all selected volumes to the target machine's disk, select the **Automatic** radio button.
- 10. To manually create volumes on the target machine, select the **Manual** radio button. The manual fields are displayed.

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	lete all existing data	on this machine and automatically recre	ate the original so	ource partitions.	umon individually t	
Manual ex	isting volumes.	at partitions on this machine using Disk.	nanayement and	map the source vo	unes marvioually t	o new or
Cauras Values		Torret Velore		Vehren Lehel	Disk Mana	gement
Source volume	17.00 KR / 500.00		~	Volume Laber	Volume Letter	Doorable
C: (022.21 MD / 00.5	1 CP)		~			
C. (023.21 MD / 33.5	(105)					

- 11. For manual restore, click the **Disk Management** button and then, select which source volume to restore to which target volume.
 - Manual restore allows for more flexibility upon restore (for example, you can restore a source volume as a larger target volume; or change the layout of volumes across disks).
 - If WinPE cannot recognize the target machine's disks and the target machine is using a RAID controller, you are asked to supply the RAID controller driver.
- 12. Click the **Start Recovery** button to begin the restore. The Recovery Progress and Logs screen is displayed.



covery Progress and	Logs			Step (5/5
Congratulations, Re	estore completed!			
				View Action L
Volume	State	Progress	Start Date	Runtime
System Reserved	Finished	100%	10/2/2023 1:17:14 PM	00:00:02
ou must restart your mach	to a machine with discimil	covered volumes.	t need to inject missing drivers	
you are restoring volumes	to a machine with dissimil	ar naroware, you may ins	t need to inject missing drivers.	

13. Click the **View Action Logs** button to observe progress.

When successfully restored, the Congratulations message is displayed. After the restore is completed without errors, chkdsk runs automatically.

Check your boot volume for errors and attempt to fix them	×
Running chkdsk /r for your boot volume will attempt to fix any errors on automatically.	that volume
 79757124 KB in 3044966 files. 1401336 KB in 96635 indexes. 0 KB in bad sectors. 3630951 KB in use by the system. 65536 KB occupied by the log file. 19554140 KB available on disk. 4096 bytes in each allocation unit. 26085887 total allocation units on disk. 4888535 allocation units available on disk. Total duration: 4.00 minutes (240430 ms). Failed to transfer logged messages to the event log with status 6. 	* *
Please answer any queries by clicking the Reply button (typically you ne $Y/N). \label{eq:plass}$	eed to answer with
Answer Reply	
Attempt repair (/r)	Stop check disk

- 14. Answer any queries by clicking the **Reply** button.
- 15. Attempt to repair any errors by clicking the **Attempt Repair** button.



- If you are restoring volumes to a machine with dissimilar hardware, inject missing drivers by rebooting the machine or clicking the **Add Missing Drivers** button.
 See <u>Adding Missing Drivers</u>.
- 17. Click the **Restart** button to boot from the recovered volumes.



Figures

- 1. campus restore a.png
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