

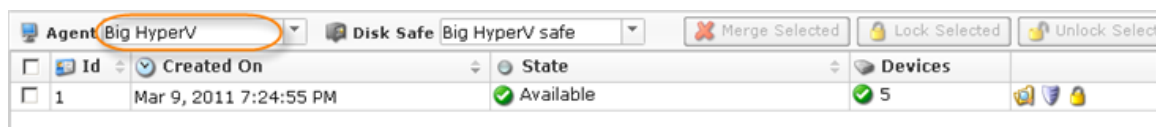
# Restoring VHDs

You can restore VHD files using CDP. Follow the instructions below.

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



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



3. From the drop-down menu located on the "Recovery Points" list toolbar, select a Disk Safe where the replication of VHD file is located.



4. Find a Recovery Point to restore from. Click on the "Browse" icon in the "Actions" column for this Recovery Point.

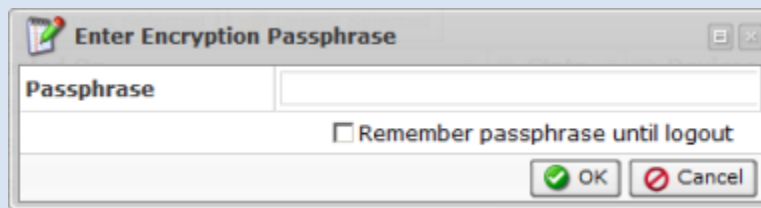


**Tip**

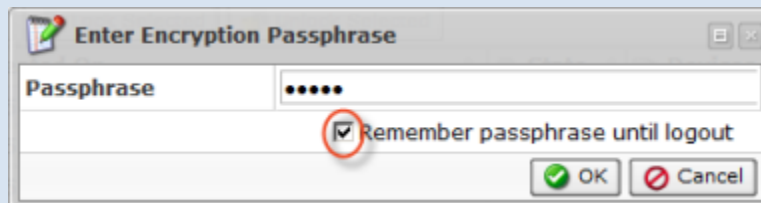
To find a Recovery Point, you can use the Basic and Advanced List Filters. See [Customizing the Recovery Points List](#).

**Note**

Note that if you configured the encryption during [Disk Safe creation](#), you will be asked to enter the encryption passphrase when you click on the "Browse," "Bare Metal Restore," "Browse Databases," or "Exchange" icon.



So that you don't have to enter the passphrase every time you click on one of the above-mentioned icons, check the "Remember passphrase until logout" check-box. Then click the "OK" button.



5. The "Browse Recovery Point" window opens.

See also: [Browsing Recovery Points](#).

6. Select the checkboxes next to the files and folders you want to restore.



7. Once the files and folders are selected, click on "Restore Selected."



8. The "Restore Files" window will open.

9. Specify the following options:

#### Restore to Agent

- **Agent** - Select this option to restore to an Agent that is already in the system. Connects to the Agent named and uses the port configured.
- **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 that is different than the original Host's.
- **Port Number**

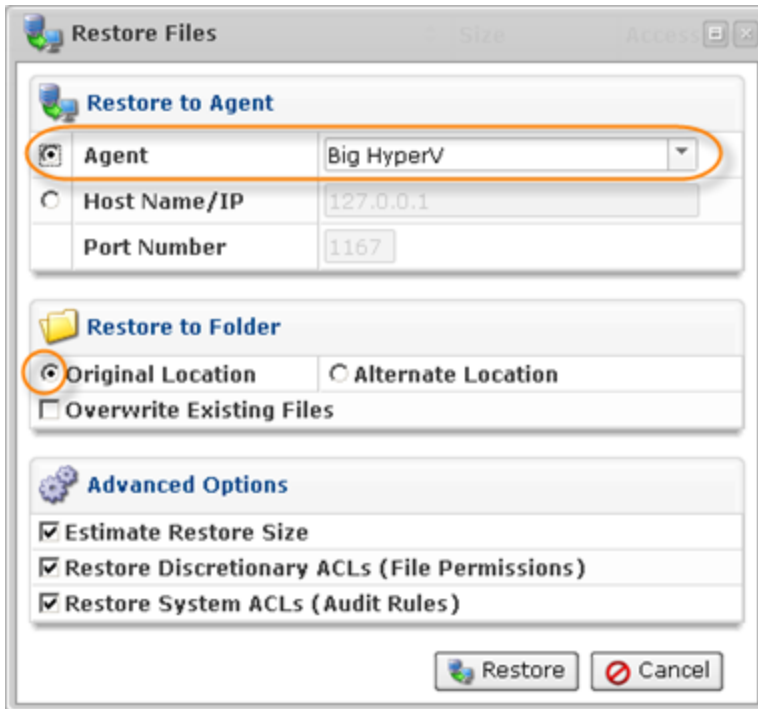
#### Restore to Folder

- **Original Location** - Restores to the same directories as when the Recovery Point was created.
- **Alternate Location** - Specifies the path on the Host to restore the files to. The complete path and directory structure of all selected files will be created under the path specified here. If the specified path does not exist, it will be created.
- **Overwrite Existing Files** - When enabled, any existing files or directories with the same name will be overwritten, even if they are newer.

#### Advanced Options

- **Estimate Restore Size** - Enabled by default. When enabled, you can see the additional "Estimated Restore Size" and "Estimated Object Count" values in the "Reporting" page - "Summary" tab - "Restore Status" area.
- **Restore Discretionary ACLs (File Permissions)**
- **Restore System ACLs (Audit Rules)**

In our example, we select an existing Agent "Big HyperV" and the "Original Location" option.

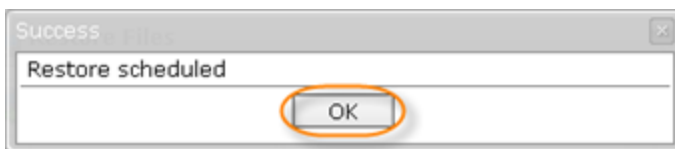


10. Click on "Restore."



11. A notification window will inform you that the Restore Task has been scheduled. It means the task has started. The "Reporting" screen displays the progress of the task.

Click "OK" in the displayed window.



Tip

The task results can be sent via email as a Report. See [Reporting](#).

12. To view the Restore Task details, access the "Reporting" window. See [Accessing Task History](#).

State	Alert	Type	Name	Agent Name	Scheduled	Run Time	
✓				Big HyperV	3/13/11 2:10 PM	32m 5s	
✓			Backup Hyper-V Wir	Big HyperV	3/9/11 7:24 PM	41m 12s	

1 / 1 10 Items Per Page

Summary Files Restored Alerts Logs Restore Settings Task

File Restore Summary

**Success**  
File restore completed successfully

Files Restored 1 / 1

Files Failed 0

Progress

Average Speed 2.9 MB/s (peak 11.8 MB/s) Current Speed

Time Remaining 0s Time Elapsed 31m 4s (size calculation 0s)

5.3 GB / 5.3 GB

Verbose Status:

13. After you have restored the VHD file, in order to access its contents, you need to attach and mount it using the [Hyper-V VHD Explorer](#). See [Attaching VHDs](#), [Mounting VHD Volumes](#).