

Support Guide: Create a Virtual Hard Disk to use as a collection container



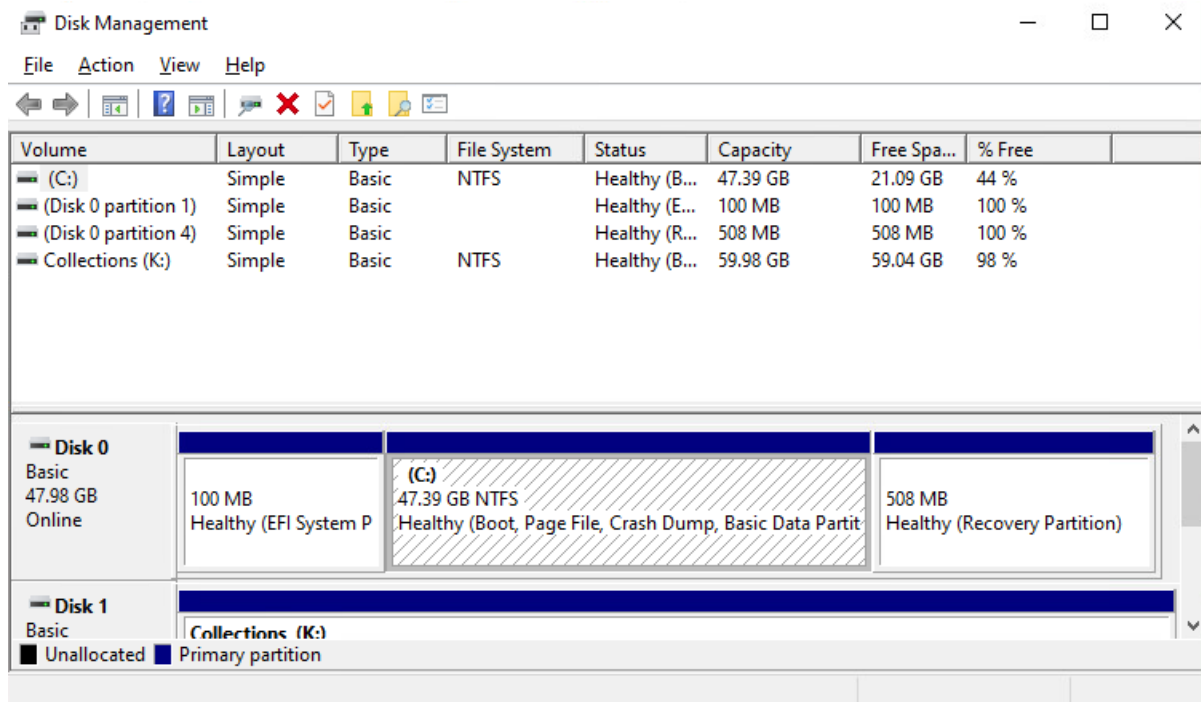
How to set up a dynamic VHD to store collected data.

Important Note

Disclaimer: The following guide is provided as-is. The exact steps necessary to create, attach, and manage a Virtual Hard Disk (VHD) may be different in different versions of Windows. Your screens and the steps required may not match up directly to the ones pictured below. When in doubt, always refer to Microsoft's documentation for your specific version of Windows.

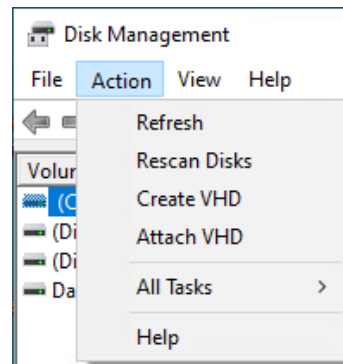
Step 1: Open the Windows Disk Manager

Open Windows Disk Management tool (this can be accessed any number of ways depending on the version of Windows you are running):



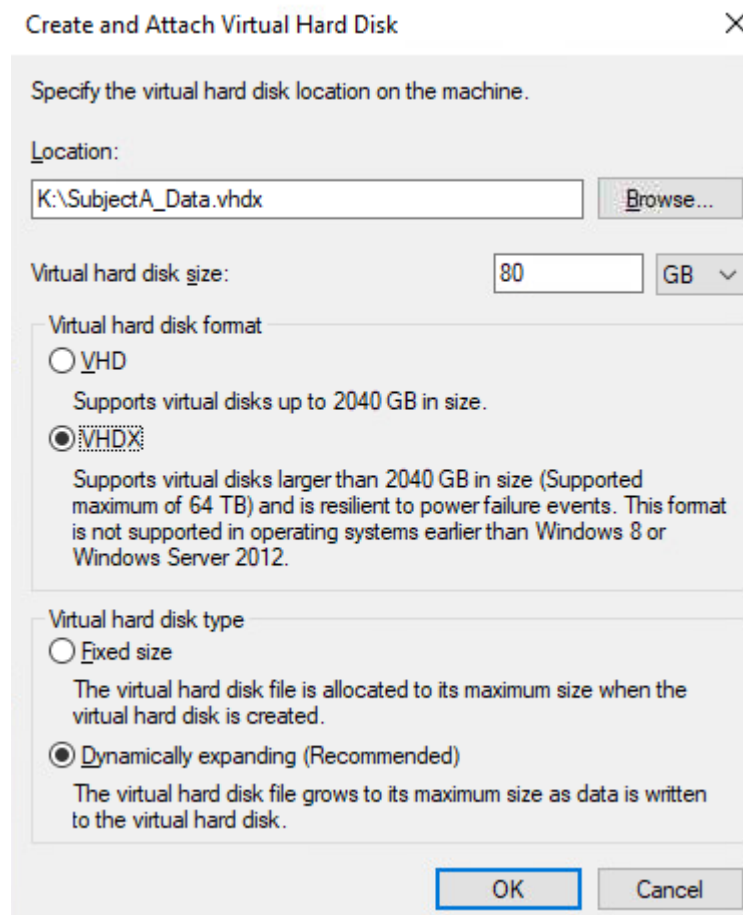
Windows Disk Management

In the Disk Management tool, choose Create VHD from the Action drop-down menu.



Step 2: Create a dynamic VHD

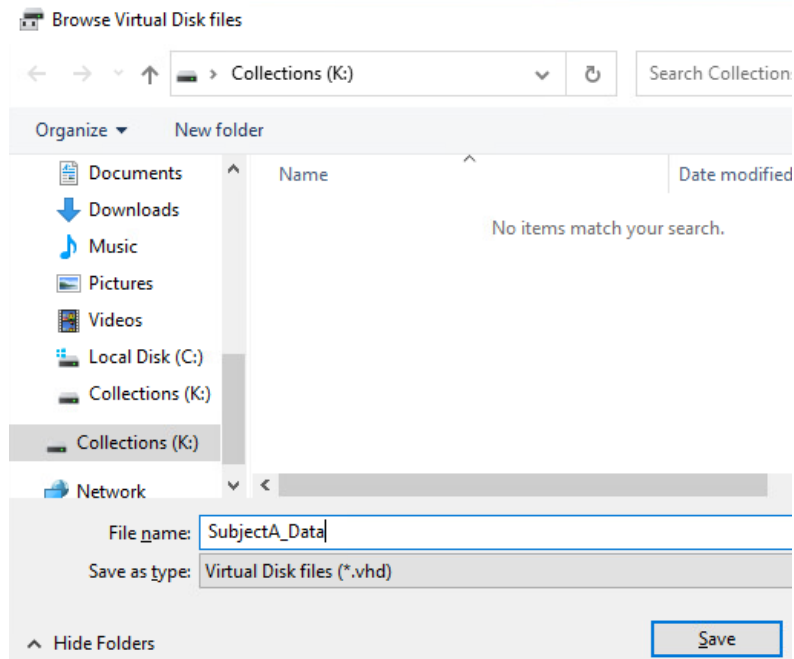
Now you can create a dynamic VHD on your destination drive.



Options for creating a VHD

There are 4 options to specify in this window, each is covered below.

First you need to specify the location for your dynamic VHD container. Click the browse button to locate your drive. In this example we have a destination drive attached to our examiner machine assigned to the K volume.



Destination Drive location for dynamic VHD

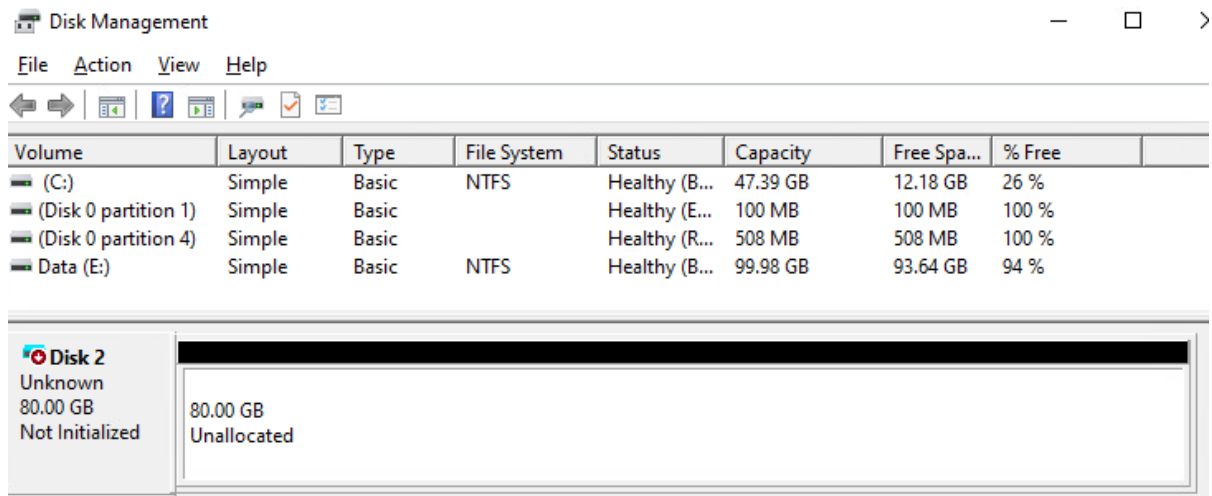
Create a name for the VHD container in the File name field and click Save.

Next, you'll need to choose the Max size for the dynamic VHD in the Virtual Hard Disk Size field. We recommend not exceeding 90% of the available destination drive space.

VHD vs VHDx is a matter of personal preference as most collections will not exceed 2TB (2040 GB) in size. Select the Dynamically Expanding option to allow the collection to expand to only what is needed. Click OK to finalize and create the dynamic VHD.

Step 3: Initialize and format the VHD

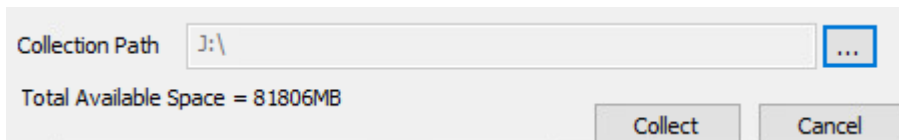
Once the VHD is created, it will appear in the list of disks in the disk management tool.



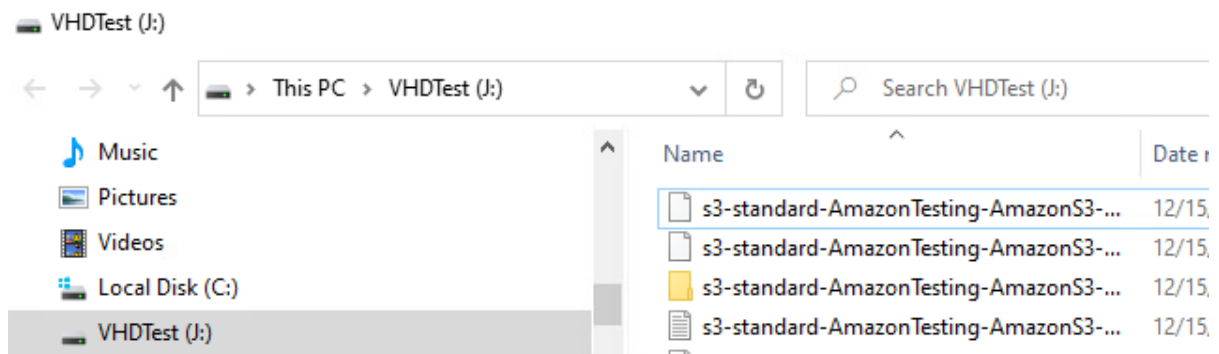
To finish the process, you'll need to simply initialize, format the disk, and assign a volume letter as you would for any newly attached disk in the Windows OS.

Step 4: Perform your collection

Now you can perform your collection and use the drive letter you assigned to the newly created dynamic VHD

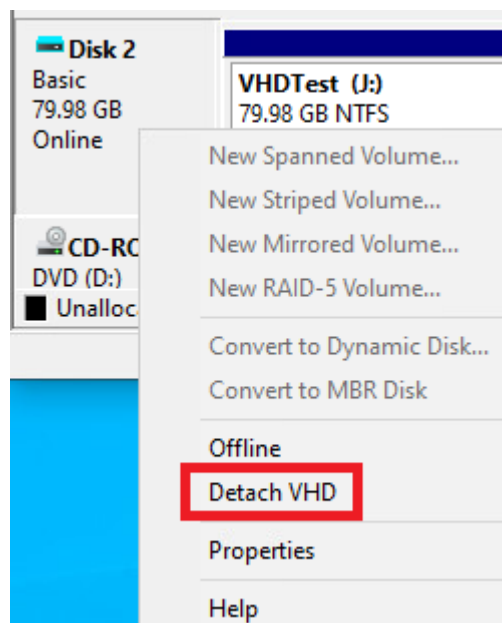


Once completed you'll can review the data in the VHD:



Step 5: Finalizing and working with the VHD

Once you have completed collecting all the necessary data to the VHD you can detach it in the Disk Management tool by right clicking and selecting Detach VHD. Windows will shrink the disk down shedding the unused space.



You now have a solid forensic container for your collection which can be duplicated, shared, and mounted as a read-only disk.

