

How to export Hyper-V virtual machines in Windows 10

You can use Hyper-V export and import functions to quickly copy virtual machines. Virtual machines that are accessed can be used for backup or as a way to migrate a virtual machine between Hyper-V servers.

General information

Hyper-V allows running virtual computer systems on a physical server. These virtualized systems (also known as guest) can be used and managed like physical computer systems, but they exist in a virtualized and isolated environment.

You can use Hyper-V export and import functions to quickly copy virtual machines. Virtual machines that are accessed can be used for backup or as a way to migrate a virtual machine between Hyper-V servers.

The import function allows you to restore virtual machines. You don't need to export a virtual machine to import it.

When performing a virtual machine export, all linked files will be grouped together. They include configuration files, hard drive files, and any existing test files on the system.

The instructions below will show you how to export one or all Hyper-V virtual machines (clients) on your Windows 10 computer (server).

Note : You must be logged on as an administrator to be able to export Hyper-V virtual machines.

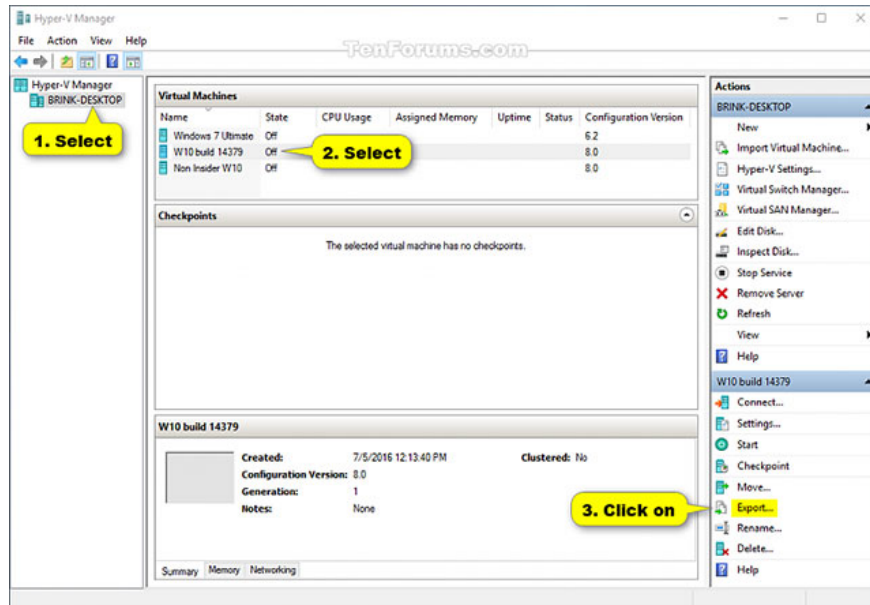
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Export Hyper-V virtual machines using the Hyper-V Manager

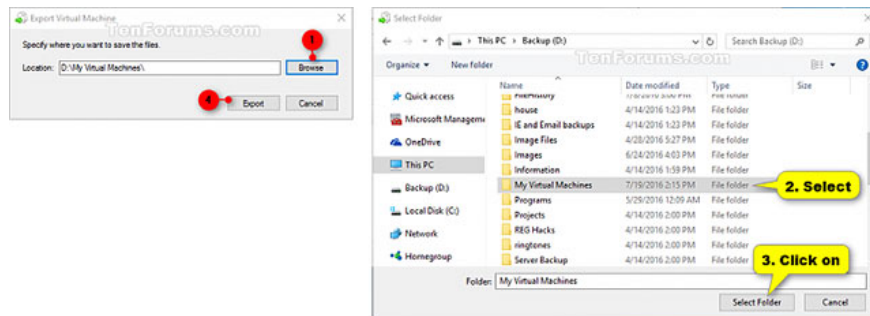
1. Open the Hyper-V Manager (Hyper-V Manager).

2. Select the Hyper-V server (for example, "BRINK-DESKTOP") from the left pane of the screen, then select one or more virtual machines in the middle pane to export and import, and then click the **Export** button in the task pane on the right of the screen (see screenshot below).

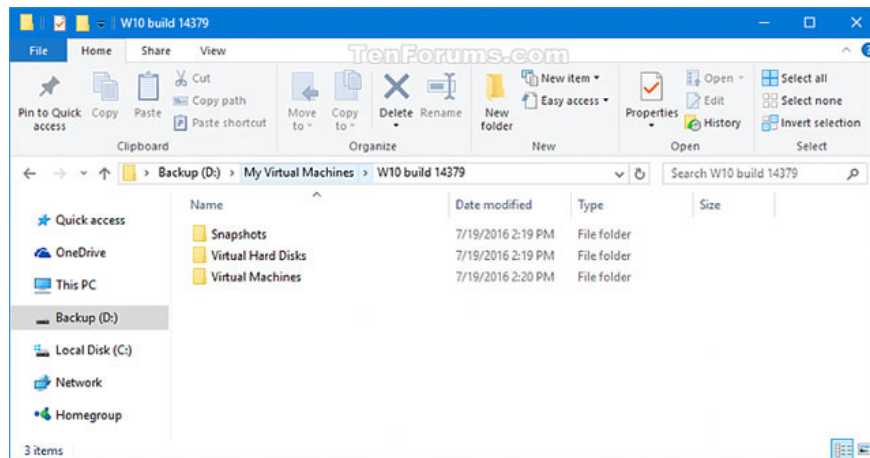
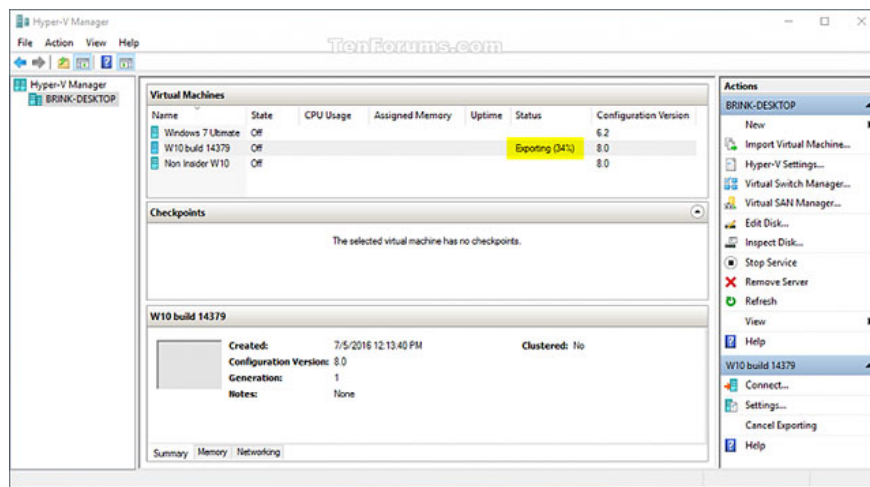


Note :You can press and hold the Ctrl key and click on any virtual machine (s) to select them for retrieval, then release the Ctrl key when you're done.

3. Click the **Browse** button, navigate to and select the appropriate folder (eg "My Virtual Machines") that you want to export, then click **Select Folder** and click **Export** . (see screenshot below).



4. Now the virtual machine (s) will be exported.This action may take some time to complete (see screenshot below).



5. When this process is complete, you can close the Hyper-V Manager if you wish.

Export all Hyper-V virtual machines using PowerShell

1. Open PowerShell.
2. Copy and paste the command below into PowerShell and press Enter.

```
Get-VM | Export-VM -Path 'Full path of directory to export to'
```

Note: Replace the full path of the directory to export to the above command with the full path of the directory location you want to export the file of the virtual machine to.

3. When done, you can close PowerShell if you want.

Note: The process of exporting virtual machine (s) to this designated directory location may take some time to complete.

Export a single Hyper-V virtual machine using PowerShell

1. Open PowerShell.

2. Type the command below into PowerShell, press Enter and note the name of the virtual machine you want to export (eg "w10 build 14379"), (see screenshot below).

Get-vm

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32> get-vm

Name                State CPUUsage(%) MemoryAssigned(M) Uptime      Status           Version
-----
Non Insider w10     Off   0           0                 00:00:00    Operating normally 8.0
w10 build 14379     Off   0           0                 00:00:00    Operating normally 8.0
Windows 7 Ultimate Off   0           0                 00:00:00    Operating normally 6.2

PS C:\WINDOWS\system32>
```

3. Type the command below into PowerShell and press Enter (see screenshot below).

Export-VM -Name 'Name of virtual machine' -Path 'Full path of directory to export'

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32> Export-VM -Name 'w10 build 14379' -Path 'D:\My Virtual Machines'
PS C:\WINDOWS\system32>
```

Attention:

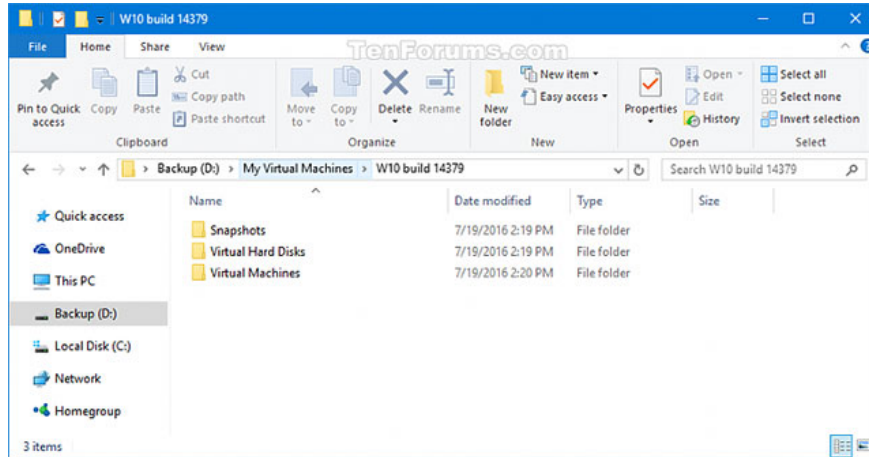
Replace the virtual machine name in the above command with the name of the virtual machine from step 2 above.

Replace the full path of the directory to export to the above command with the full path of the directory in which you want to export the virtual machine.

For example:

Export-VM -Name 'w10 build 14379' - Path 'D: My Virtual Machines'

4. Virtual machine will be exported.This action may take a while to complete (see screenshot below).



5. When done, you can close PowerShell if you want.

See more:

1. 4 free virtualization software solutions on Windows
2. What is the future of server virtualization?
3. Is Windows Virtualization (Virtualization) testing enabled?
4. How to attach and split VHD and VHDX files in Windows 10

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