

Adding NFS shares accross multiple ESX ...



[jeff5144](#) 6 posts since

Apr 10, 2009

Can anyone assist with using the powershell command to add mutiple NFS shares accross multiple virtual centers reading from a CSV file.

Task

Create powershell command to look to a CSV file with a list of ESX hosts in different virtual center servers.

Add 4 NFS datastores.

Any assistance would be much appreciated!



[LucD](#) 2,431 posts since

Oct 31, 2005 **1. Re: Adding NFS shares accross multiple ESX servers.** Jun 12, 2009 3:41 PM

Could you perhaps describe what is in the CSV file ? VC names and/or ESX hostnames ?

And where will get the account/password to logon to the VCs ? Or will this go via pass through with the account that runs the script ?

Adding a NFS datastore can be done with the New-Datastore cmdlet.

See [NFS mount on multiple hosts](#)



[jeff5144](#) 6 posts since

Apr 10, 2009 **2. Re: Adding NFS shares accross multiple ESX servers.** Jun 15, 2009 7:11 AM

in response to: [LucD](#)

The CSV file will contain the host name and IP address in which we'll inject a different user account.



[LucD](#) 2,431 posts since

Oct 31, 2005 **3. Re: Adding NFS shares accross multiple ESX servers.** Jun 15, 2009 11:11 AM

in response to: [jeff5144](#) I'll assume that the CSV file contains the names of the VCs.

Then you can do something like this provided you have a header row in the CSV that says "VCname"

```
Import-Csv "C:\cvname.csv" | %{
    Connect-VIServer -Server $_.VCname
    Get-VmHost | New-Datastore -Nfs -Name NFSds -Path NFSds
-RemoteHost <NFSServer> -RemotePath <NFSEXport>
}
```

If there is no header row you can do

```
Import-Csv "C:\cvname.csv"
-Header MyVC | %{
```

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```
Connect-VIServer -Server $_.MyVC
Get-VmHost | New-Datastore -Nfs -Name NFSds -Path NFSds
-RemoteHost <NFSserver> -RemotePath <NFsexport>
}
```

This assumes that the account with which you execute the script has rights on all the VCs.

The Connect-VIServer uses passthrough authentication.



[jeff5144](#) 6 posts since

Apr 10, 2009 4. **Re: Adding NFS shares across multiple ESX servers.** Jun 15, 2009 1:26 PM

in response to: [LucD](#)

I've been trying your script above and it keeps giving me the error at : Connect-VIServer -Server <<<< \$_.MyVC

*

```
vSphere PowerCLI C:\Program Files\VMware\Infrastructure\ViToolKitForWindows> Connect-VIServer -Server
$_.MyVC*
```

Connect-VIServer : Cannot validate argument on parameter 'Server'. The argument cannot be null or empty.

At line:1 char:25

+ Connect-VIServer -Server <<<< \$_.MyVC

- + CategoryInfo : InvalidData: (:) [Connect-VIServer](#), ParameterBindingValidationException*
- + FullyQualifiedErrorId : ParameterArgumentValidationError,VMware.VimAutomation.Commands.ConnectVIServer

*



[LucD](#) 2,431 posts since

Oct 31, 2005 5. **Re: Adding NFS shares across multiple ESX servers.** Jun 15, 2009 2:00 PM

in response to: [jeff5144](#) It looks like the import from the CSV file is not functioning.

Could you perhaps include a screenshot of the first few lines of this VC file?

You can scramble the text if you need to, I just want to see the layout.



[jeff5144](#) 6 posts since

Apr 10, 2009 6. **Re: Adding NFS shares across multiple ESX servers.** Jun 15, 2009 2:15 PM

in response to: [LucD](#)

Its exactly as below, I'm testing this against 2 hosts for the time being.

Thank you for assisting. Another question if you want to add multiple datastores?

servername.domain.com


servername.domain.com



[LucD](#) 2,431 posts since

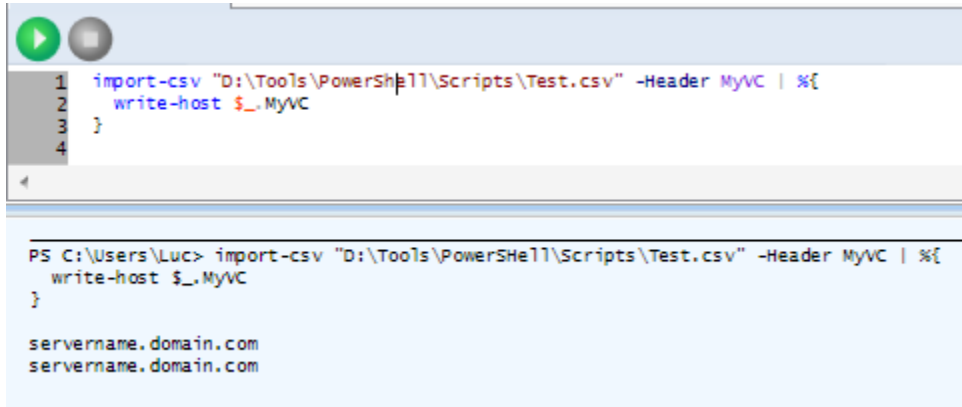
Adding NFS shares accross multiple ESX ...

Oct 31, 2005 7. **Re: Adding NFS shares accross multiple ESX servers.** Jun 15, 2009 2:28 PM

 in response to: [jeff5144](#) There must be something wrong but I can't see what it is.

This is from a run of such a script on my test PC.

Note that I replaced the Connect-ViServer by a Write-Host to see the variable.



```
1 import-csv "D:\Tools\PowerShell\Scripts\Test.csv" -Header MyVC | %{
2 write-host $_.MyVC
3 }
4
```

```
PS C:\Users\Luc> import-csv "D:\Tools\PowerShell\Scripts\Test.csv" -Header MyVC | %{
write-host $_.MyVC
}

servername.domain.com
servername.domain.com
```


	A
1	servername.domain.com
2	servername.domain.com
3	

If you want to add multiple NFS datastores you have to repeat the line with the New-Datastore cmdlet.



[jeff5144](#) 6 posts since

Apr 10, 2009 8. **Re: Adding NFS shares accross multiple ESX servers.** Jun 15, 2009 2:32 PM

 in response to: [LucD](#)

Yea, I tried breaking this down and I get the CSV file imported succesfully.

Here is what I am doing to troubleshoot.

This part works fine, when I run this it returns the 2 host servers in the csv file

Import-Csv "C:\scripts\input.csv" -Header MyVC

This part errors out:

```
**%{*Connect-ViServer* -Server $_.MyVC Get-VmHost*
```

*



[LucD](#) 2,431 posts since

Oct 31, 2005 9. **Re: Adding NFS shares accross multiple ESX servers.** Jun 15, 2009 9:51 PM

 in response to: [jeff5144](#) Is there really a Get-VmHost on the Connect-ViServer line ?

It should be

Adding NFS shares accross multiple ESX ...

```
Import-Csv  
"C:\scripts\input.csv" -Header MyVC | %{  
    Connect-VIServer -Server $_.MyVC  
    ...  
}
```

Perhaps you could PM me the script your are trying to use.

The forum SW sometimes scrambles code one inserts in a post.