

# Problem with New-Harddisk ...

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[cnielsen](#) 54 posts since

Dec 8, 2004

Hi

I am trying to create a new harddisk to my VM. When I execute the command I get an error.

```
PS C:\Program Files\VMware\Infrastructure\VIToolkitForWindows> get-vm "HORSE" | new-harddisk -capacitykb 10240
```

```
New-HardDisk : 03-06-2008 21:54:47 New-HardDisk No free LSI nodes
```

```
At line:1 char:32
```

```
+ get-vm "HORSE" | new-harddisk <<<< -capacitykb 10240
```

```
PS C:\Program Files\VMware\Infrastructure\VIToolkitForWindows>
```

It is a VM without a SCSI controller, an I guess it tells me that. Then my question is: How do I add a SCSI controller??

Regards

Claus



[LucD](#) 2,443 posts since

Oct 31, 2005 **1. Re: Problem with New-Harddisk** Jun 4, 2008 12:12 PM

The function below adds a BusLogic SCSI controller to a guest.

The prerequisite for the function to work correctly is that there are no devices with the same "key" defined on the guest.

The function could be elaborated with a test that loops through the current devices and checks if the key is free.

Something like the functions I showed in [Re: Changing Disk Persistence](#)

```
function add-SCSIController
{
    param($VMname)

    $vm = Get-View (Get-VM $VMname).ID

    $spec = New-Object VMware.Vim.VirtualMachineConfigSpec
    $spec.deviceChange = @( )
    $spec.deviceChange += New-Object
VMware.Vim.VirtualDeviceConfigSpec

    $spec.deviceChange[0].device = New-Object
VMware.Vim.VirtualBusLogicController
    $spec.deviceChange[0].device.busNumber = 0
    $spec.deviceChange[0].device.ControllerKey = 100
    $spec.deviceChange[0].device.DeviceInfo = New-Object
VMware.Vim.Description
```

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```
$spec.deviceChange[0].device.DeviceInfo.label = "SCSI Controller
0"
$spec.deviceChange[0].device.DeviceInfo.summary = "BusLogic"
$spec.deviceChange[0].device.hotAddRemove = $TRUE
$spec.deviceChange[0].device.key = 1000
$spec.deviceChange[0].device.scsiCtlrUnitNumber = 7
$spec.deviceChange[0].device.sharedBus = "noSharing"
$spec.deviceChange[0].operation = "add"

$vm.ReconfigVM_Task($spec)
}

Add-SCSIController("HORSE")

Get-VM "HORSE" | New-HardDisk -CapacityKB 10240
```



[cnielsen](#) 54 posts since

Dec 8, 2004 2. **Re: Problem with New-Harddisk** Jun 4, 2008 11:15 PM

in response to: [LucD](#)

That did the trick. Thanks for the nice script. (I modified it to add a LSI scsi adapter in no time)

Regards

Claus