

Book of Hyper-V - Hyper-V Administration

[PDF generated December 27 2023. For all recent updates please see the Nutanix Bible releases notes located at https://nutanixbible.com/release_notes.html. Disclaimer: Downloaded PDFs may not always contain the latest information.]

Important Pages

More coming soon!

Command Reference

Execute command on multiple remote hosts

Description: Execute a PowerShell on one or many remote hosts

```
$targetServers = "Host1","Host2","Etc"
Invoke-Command -ComputerName $targetServers {

}
```

Check available VMQ Offloads

Description: Display the available number of VMQ offloads for a particular host

```
gwmi -Namespace "root\virtualization\v2" -Class Msvm_VirtualEthernetSwitch | select elementname, MaxVMQOffloads
```

Disable VMQ for VMs matching a specific prefix

Description: Disable VMQ for specific VMs

```
$vmPrefix = "myVMs"
Get-VM | Where {$_.Name -match $vmPrefix} | Get-VMNetworkAdapter | Set-VMNetworkAdapter -VmqWeight 0
```

Enable VMQ for VMs matching a certain prefix

Description: Enable VMQ for specific VMs

```
$vmPrefix = "myVMs"
Get-VM | Where {$_.Name -match $vmPrefix} | Get-VMNetworkAdapter | Set-VMNetworkAdapter -VmqWeight 1
```

Power-On VMs matching a certain prefix

Description: Power-On VMs matching a certain prefix

```
$vmPrefix = "myVMs"
Get-VM | Where {$_.Name -match $vmPrefix -and $_.StatusString -eq "Stopped"} | Start-VM
```

Shutdown VMs matching a certain prefix

Description: Shutdown VMs matching a certain prefix

```
$vmPrefix = "myVMs"
Get-VM | Where {$_.Name -match $vmPrefix -and $_.StatusString -eq "Running"}} | Shutdown-VM -RunAsynchronously
```

Stop VMs matching a certain prefix

Description: Stop VMs matching a certain prefix

```
$vmPrefix = "myVMs"  
Get-VM | Where {$_.Name -match $vmPrefix} | Stop-VM
```

Get Hyper-V host RSS settings

Description: Get Hyper-V host RSS (receive side scaling) settings

```
Get-NetAdapterRss
```

Check Winsh and WinRM connectivity

Description: Check Winsh and WinRM connectivity / status by performing a sample query which should return the computer system object not an error

```
allssh "winsh "get-wmiobject win32_computersystem"
```

Metrics and Thresholds

More coming soon!

Troubleshooting & Advanced Administration

More coming soon!