

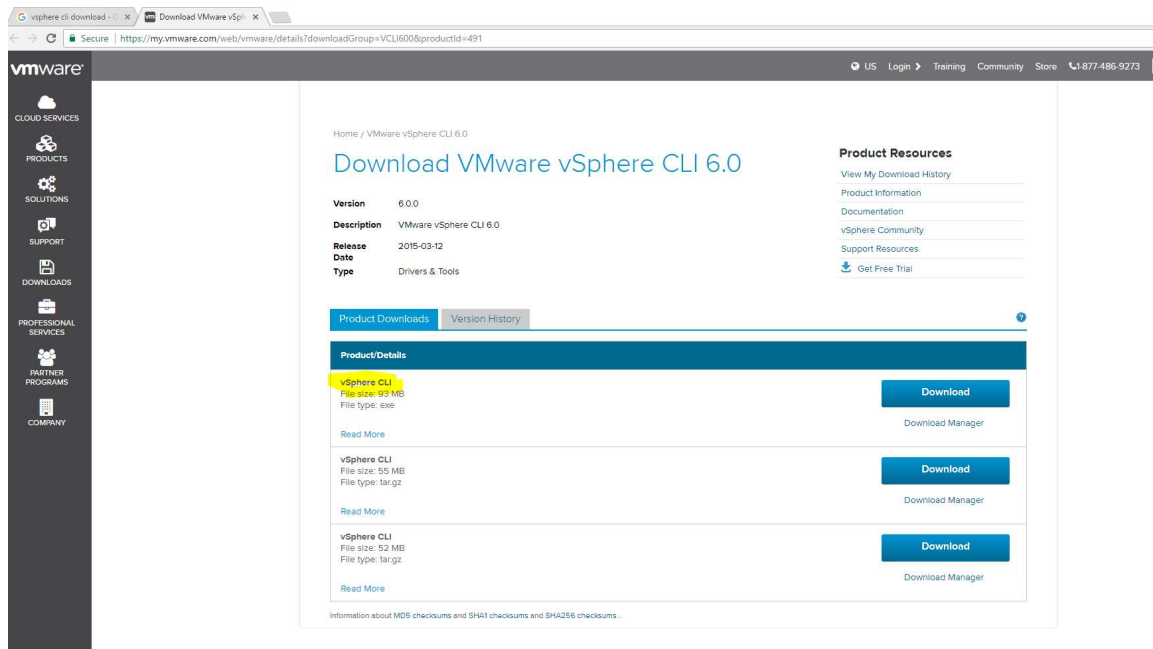
How to use vSphere cli

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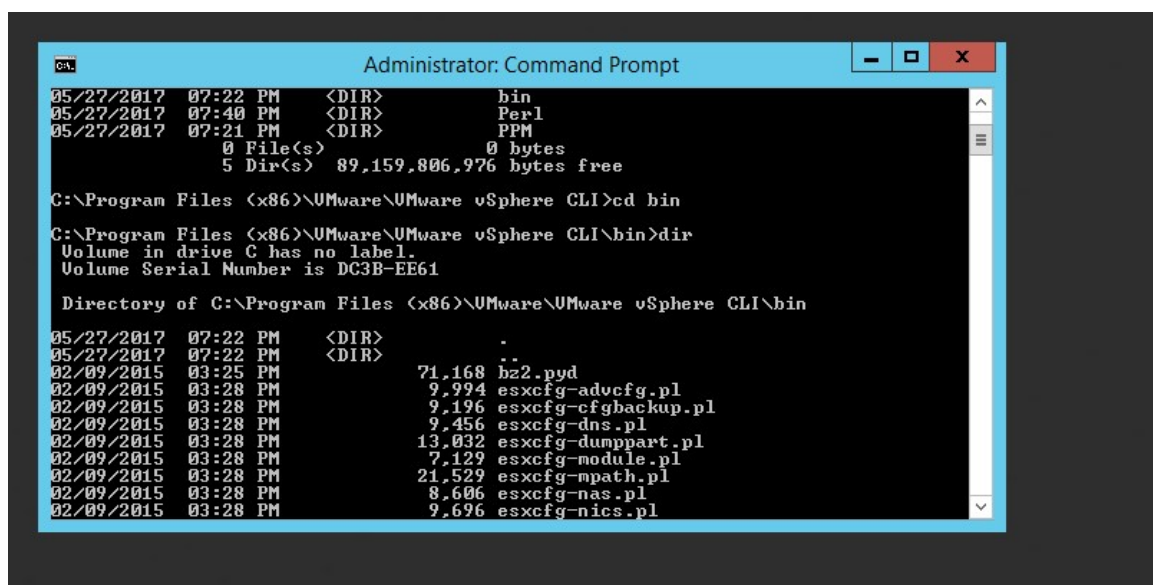
vSphere cli is a command line interface, where we can use to run commands on esx hosts. This is an alternative option for putty. We can install vSphere cli on any server/desktop in your network.

Below are the steps

1. Download vSphere cli from vmware.com



2. Once you installed vSphere cli, you can browse the below path and run the commands. Most of the commands are written in activepearl scripting language.



3. We can get help for all the commands using --help parameter.

```

C:\Program Files (x86)\VMware\VMware vSphere CLI\bin>esxcfg-nics.pl --help
Synopsis: C:\Program Files (x86)\VMware\VMware vSphere CLI\bin\esxcfg-nics.pl OP
TIONS [<argval>]

Command-specific options:
--auto
-a

    Set the given NIC to auto-negotiate its speed and duplex settings.

--duplex
-d

    <duplex>
    Set the duplex value which a given card should run.

--list
-l

    List the NICs in the system and, lists for each NIC, the PCI bus,
    driver, speed, duplex information, MAC address and a description.
    It also shows whether the link is up.

--speed
-s

```

4. As an example, we can use vicfg-vmnic commands to configure our network interfaces

```

C:\Program Files (x86)\VMware\VMware vSphere CLI\bin>vicfg-vmnic.pl --server esx05 -l
Enter username: root
Enter password:
Interface  Port Group/DU/Port  IP Family  IP Address  Netmask  MAC Address  MTU  Type  Uplink
vmk0      11                    IPv4       192.168.1.80 255.255.255.0 00:0c:29:23:00:05 1500 STATIC Not Available
vmk1      11                    IPv6       fe80::20c:29ff:fe23:805 64 00:0c:29:23:00:05 1500 STATIC Not Available
vmk1      icse101              IPv4       192.20.20.2 255.255.255.0 00:50:56:60:14:f2 1500 STATIC Not Available
vmk1      icse101              IPv6       fe80::250:56ff:fe60:14f2 64 00:50:56:60:14:f2 1500 STATIC Not Available
vmk2      icse102              IPv4       192.20.20.3 255.255.255.0 00:50:56:60:14:f3 1500 STATIC Not Available
vmk2      icse102              IPv6       fe80::250:56ff:fe60:e743 64 00:50:56:60:e7:43 1500 STATIC Not Available
vmk3      28                    IPv4       192.168.10.1 255.255.255.0 00:50:56:63:h6:3c 1500 STATIC Not Available
vmk3      28                    IPv6       fe80::250:56ff:fe63:h63c 64 00:50:56:63:h6:3c 1500 STATIC Not Available
C:\Program Files (x86)\VMware\VMware vSphere CLI\bin>

```

5. We can use vmware-cmd.pl command do the virtual machine operations.

```

Administrator: Command Prompt
C:\Program Files (x86)\VMware\VMware vSphere CLI\bin>vmware-cmd.pl -l --server esx05
Enter username: root
Enter password:
/vmfs/volumes/5841be13-e7b7d93e-3c1b-000c29c84a1a/vm0003/vm0003.vmx
C:\Program Files (x86)\VMware\VMware vSphere CLI\bin>_

```