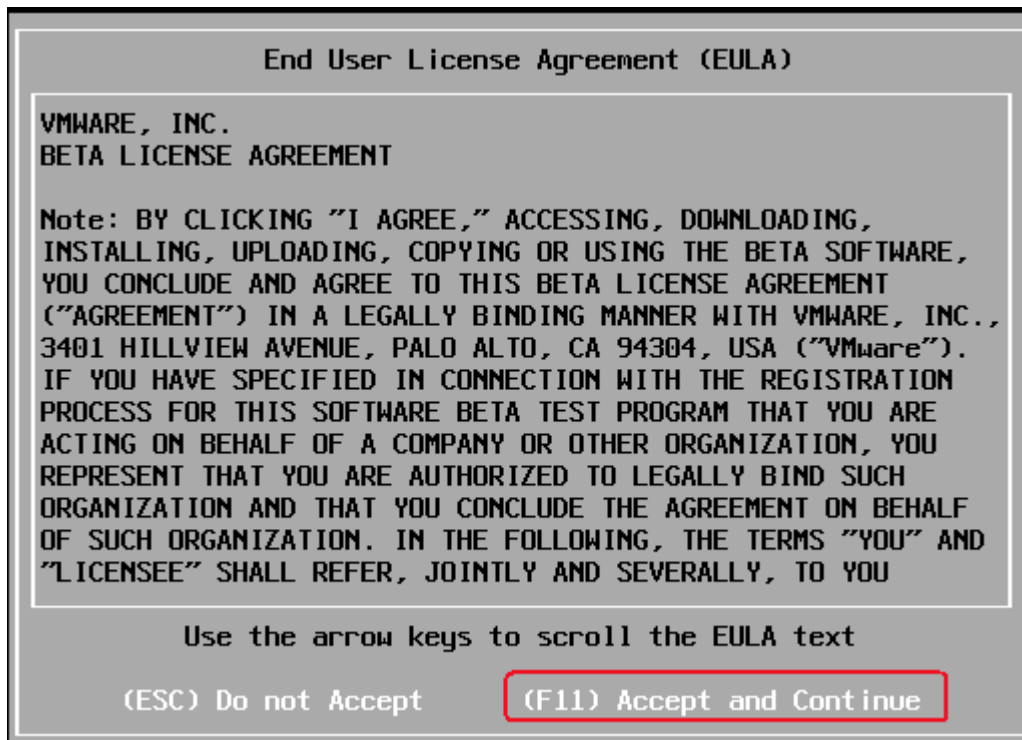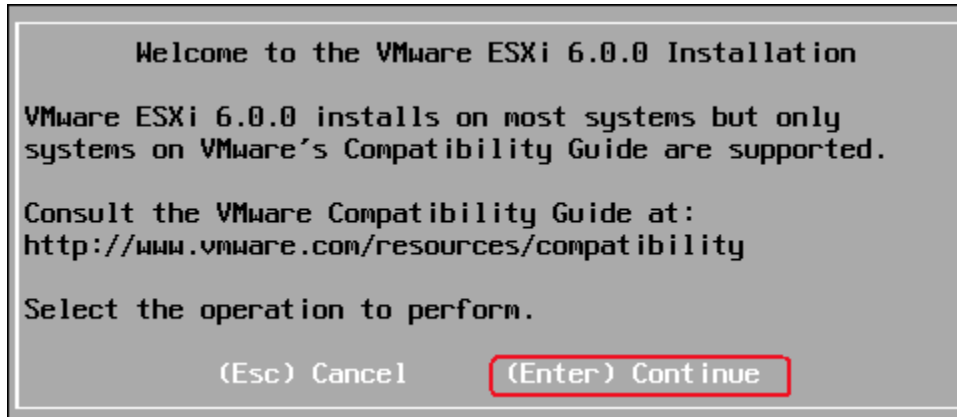# vsphere5.5 升级到 6.0 操作手册

Written By Suntengfei

2015/4/13

1 通过 USB 启动盘升级

使用 USB 升级好处就是可以跨大版本升级，比如从 5.0/5.1/5.5 升级到 6.0。

1) 首先你需要制作一个 ESXi-6.0.0-2494585 的 USB 启动盘（制作方法请参考在我的文库里找，这里不再讲解）
2) 修改 BIOS 启动顺序，让它从 USB 启动（在此之前请将该主机上的虚拟机都迁移到其他主机或关机，然后重启 ESXI 主机）
3) 开始升级，选择"upgrade ESXi, Preserve VMFS datastore"

```
                 Select a Disk to Install or Upgrade

 * Contains a VMFS partition
 # Claimed by VMware Virtual SAN (VSAN)

 Storage Device                                             Capacity
 --------------------------------------------------------------------
 Local:
    (none)
 Remote:
   * HP        LOGICAL VOLUME    (naa.600508b1001c6fe3c85f5...) 279.37 GiB
   * HP        LOGICAL VOLUME    (naa.600508b1001c01dc1f302...) 279.37 GiB




    (Esc) Cancel      (F1) Details      (F5) Refresh    (Enter) Continue
```

```
                         ESXi and VMFS Found

 * Cont The selected storage device contains an installation of
 # Clai ESXi and a VMFS datastore.  Choose whether to upgrade
        or install and overwrite the existing ESXi
 Storag installation.  Also choose whether to preserve or      apacity
 ------ overwrite the existing VMFS datastore.                  -------
 Local:
    (no (X) Upgrade ESXi, preserve VMFS datastore
 Remote ( ) Install ESXi, preserve VMFS datastore
   * HP ( ) Install ESXi, overwrite VMFS datastore             .37 GiB
   * HP                                                        .37 GiB

        Use the arrow keys and spacebar to select an option.

                   (Esc) Cancel       (Enter) OK

    (Esc) Cancel      (F1) Details      (F5) Refresh    (Enter) Continue
```
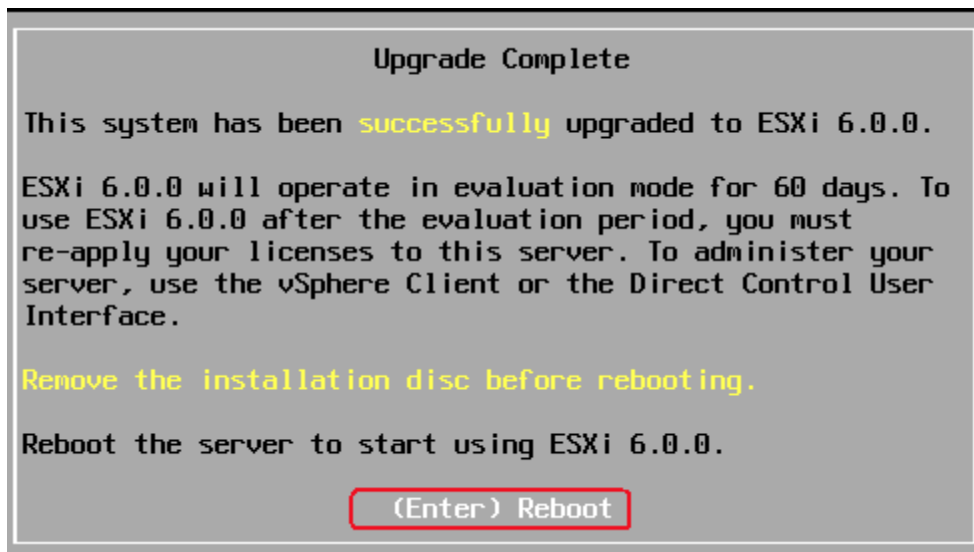
```
                         Confirm Upgrade

        The installer is configured to upgrade your
          system from ESXi 5.5.0 to ESXi 6.0.0 on:
            naa.600508b1001c6fe3c85f54ea9703861b.

        (Esc) Cancel       (F9) Back       (F11) Upgrade
```

```
                    Upgrade Complete

This system has been successfully upgraded to ESXi 6.0.0.

ESXi 6.0.0 will operate in evaluation mode for 60 days. To
use ESXi 6.0.0 after the evaluation period, you must
re-apply your licenses to this server. To administer your
server, use the vSphere Client or the Direct Control User
Interface.

Remove the installation disc before rebooting.

Reboot the server to start using ESXi 6.0.0.

                    (Enter) Reboot
```

4) 等待升级完成后重启主机

2　通过 Esxcli 命令升级

通过 SSH 升级的方式便于你远程操作，但缺点是不能够一次从 5.0/5.1 版本升级到 6.0。如果你是从 5.5 升级则完成没有问题。

1) 下载官方升级包 ESXi Offline Bundle

| Product Downloads | Drivers & Tools | Open Source | Custom ISOs |

File	Information	
ESXi ISO image (Includes VMware Tools)		Download Now
File size: 348 MB File type: iso		Download Manager
Read More		
ESXi Offline Bundle		Download Now
File size: 345 MB File type: zip		Download Manager

Name: VMware-ESXi-6.0.0-2494585-depot.zip
Release Date: 2015-03-12
Build Number: 2494585

ESXi Offline Bundle
Contains VIB packages, and image profiles for ESXi, including VMware Tools. Use the
image profiles and the VIB packages with VMware Image Builder and VMware Auto
Deploy to create custom image/ISO generation for ESXi deployments.

MD5SUM: bebc48450b9743c56073602931d63600
SHA1SUM: 79bf372bb7cd70bbbf2dd5f5819a7830468e2b7e

2) 下载完成后将包上传到 ESXi 可见的存储上，我这里使用的 ESXi 本地的存储（注：如果有共享存储，建议上传到共享存储上，这样可以避免多次上传），请记得上传 目录，后面会用到。

esxi02.localdomain VMware ESXi, 5.5.0, 1331820 | Evaluation (60 days remaining)

Getting Started | Summary | Virtual Machines | Resource Allocation | Performance | Configuration | Local Users & Groups | Events | Perm

General

Manufacturer:	VMware, Inc.
Model:	VMware Virtual Platform
CPU Cores:	6 CPUs x 2.294 GHz
Processor Type:	Intel(R) Core(TM) i7-3610QM CPU @ 2.30GHz
License:	Evaluation Mode -
Processor Sockets:	2
Cores per Socket:	3
Logical Processors:	6
Hyperthreading:	Inactive
Number of NICs:	1
State:	Connected
Virtual Machines and Templates:	0
vMotion Enabled:	N/A
VMware EVC Mode:	Disabled
vSphere HA State	⑦ N/A
Host Configured for FT:	N/A
Active Tasks:	
Host Profile:	N/A
Image Profile:	ESXi-5.5.0-1331820-standard

Resources

CPU usage: **133 MHz**   Capacity
▮▯▯▯▯▯▯▯▯▯▯   6 x 2.294 GHz

Memory usage: **1101.00 MB**   Capacity
▮▮▮▮▯▯▯▯▯▯▯   4095.43 MB

Storage	▲	Drive Type	Capacity	
🗄 datastore1				11

Browse Datastore...	
Rename	
Unmount	
Delete	
Refresh	
Properties...	
Copy to Clipboard Ctrl+C	

Network
🌐 VM Netwo

Fault Tolerance

Fault Tolerance V

Refresh Virtual Machine Counts

Total Primary VMs:	0
Powered On Primary VMs:	0
Total Secondary VMs:	0
Powered On Secondary VMs:	0

Datastore Browser - [datastore1]

Folders | Search |

	Upload File...
	Upload Folder...

⊟ 📁 /
    📁 .sdd.sf

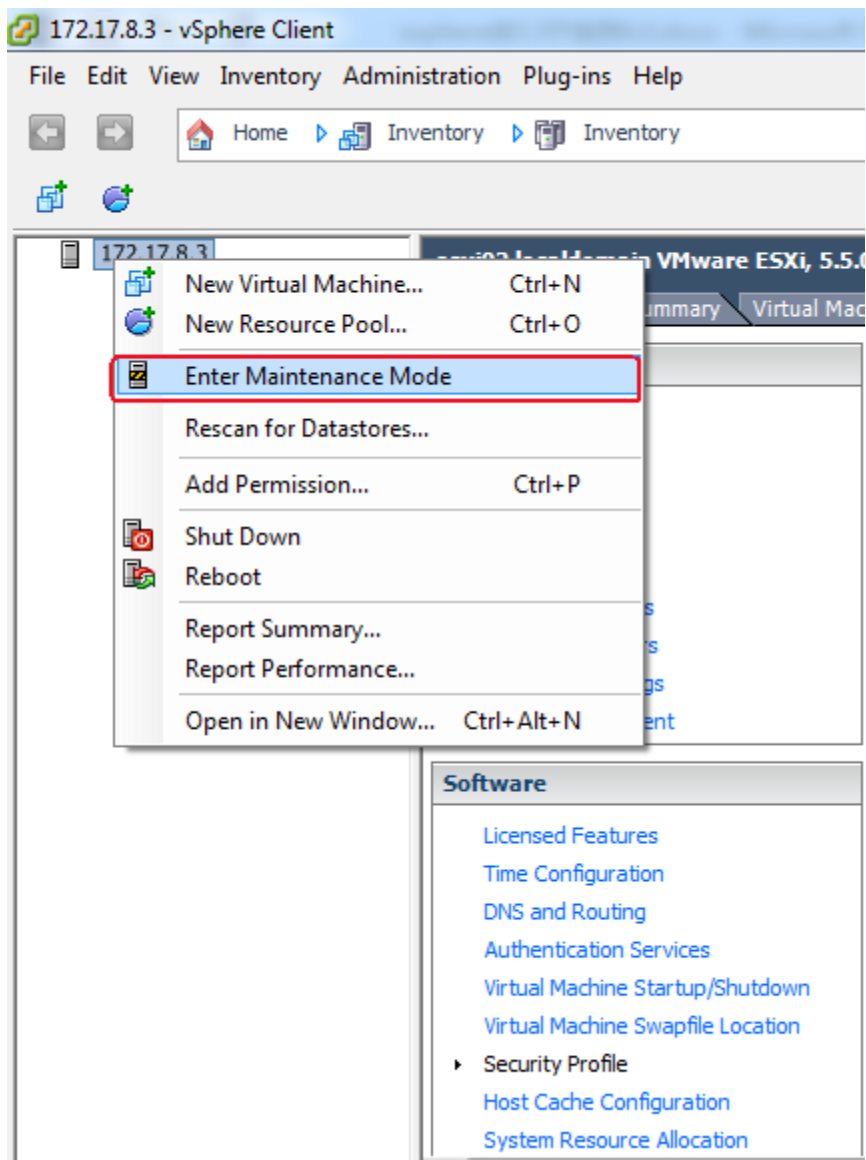|	Size	Type	Path	Modif
📁 .sdd.sf		Folder	[datastore1].sdd.sf	

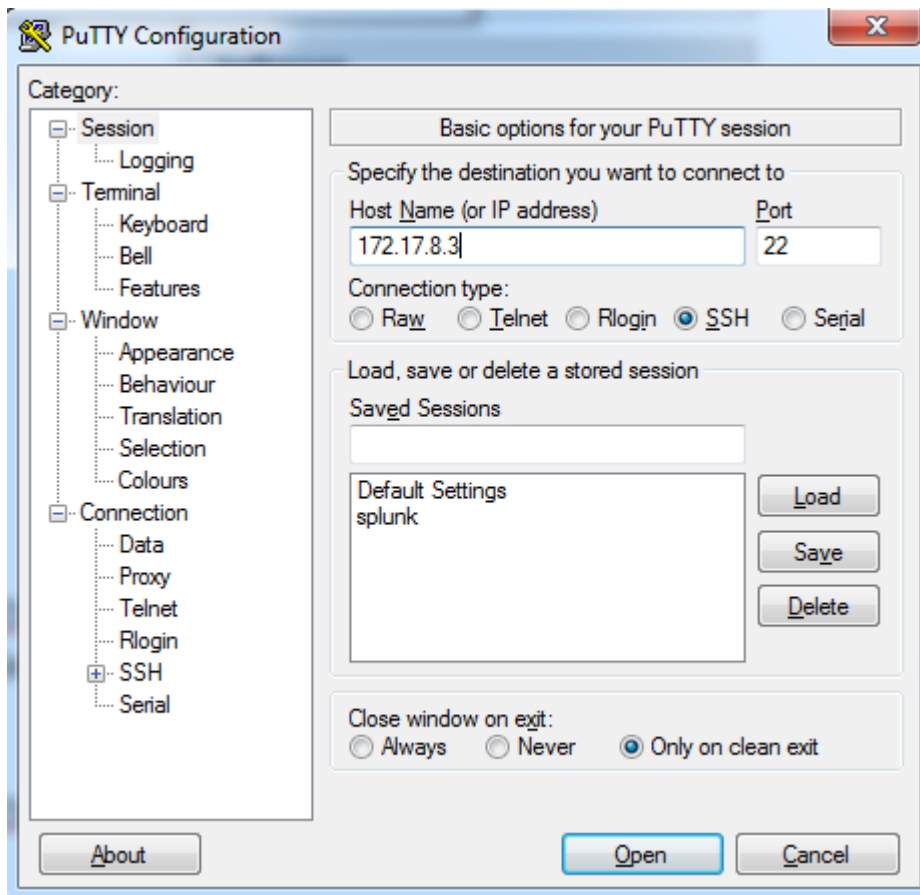3) 打开 SSH，选择你的主机**> Configuration> Security Profile > Properties > SSH**

4) 将需要升级的 ESXi 主机上的的虚拟机迁移到集群上的其他 ESXi 主机上
5) 将 ESXi 主机置为【维护模式】

6) 通过 SSH 登录到 ESXi 主机，esxcli software vib update -d /vmfs/volumes/你存储的名字（我这里的是 datestore1）/VMware-ESXi-6.0.0-2494585-depot.zip

esxcli software vib update -d /vmfs/volumes/datastore1/ISO/VMware-ESXi-6.0.0-2494585-depot.zip

7) 升级完成，重启 ESXi 系统
reboot

8) 重启完成，查看升级后的 ESXi 版本
vmware -v

9) ESXi 主机退出【维护模式】