vsphere5.5 升级到 6.0 操作手册

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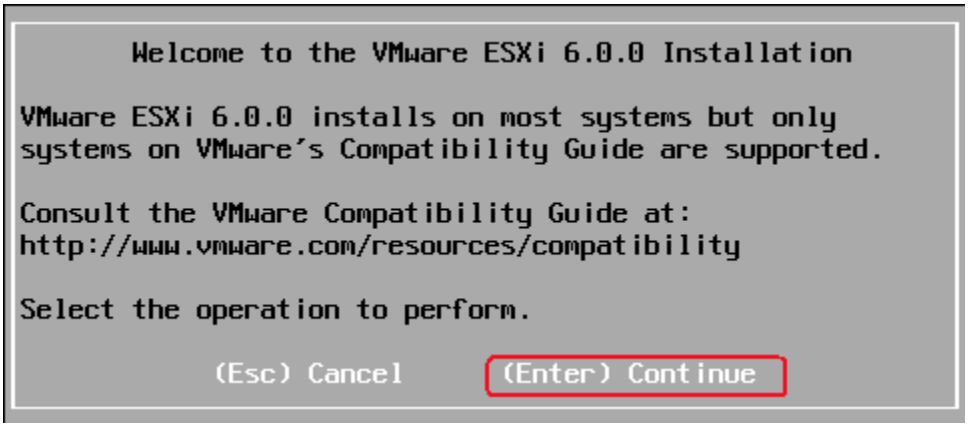
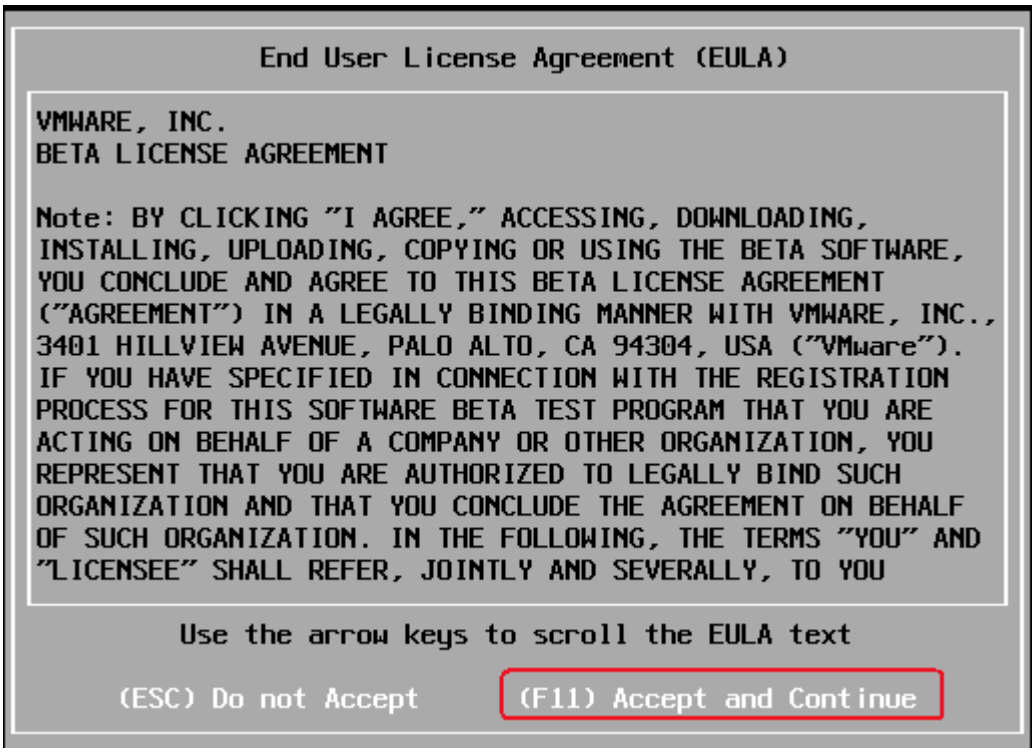
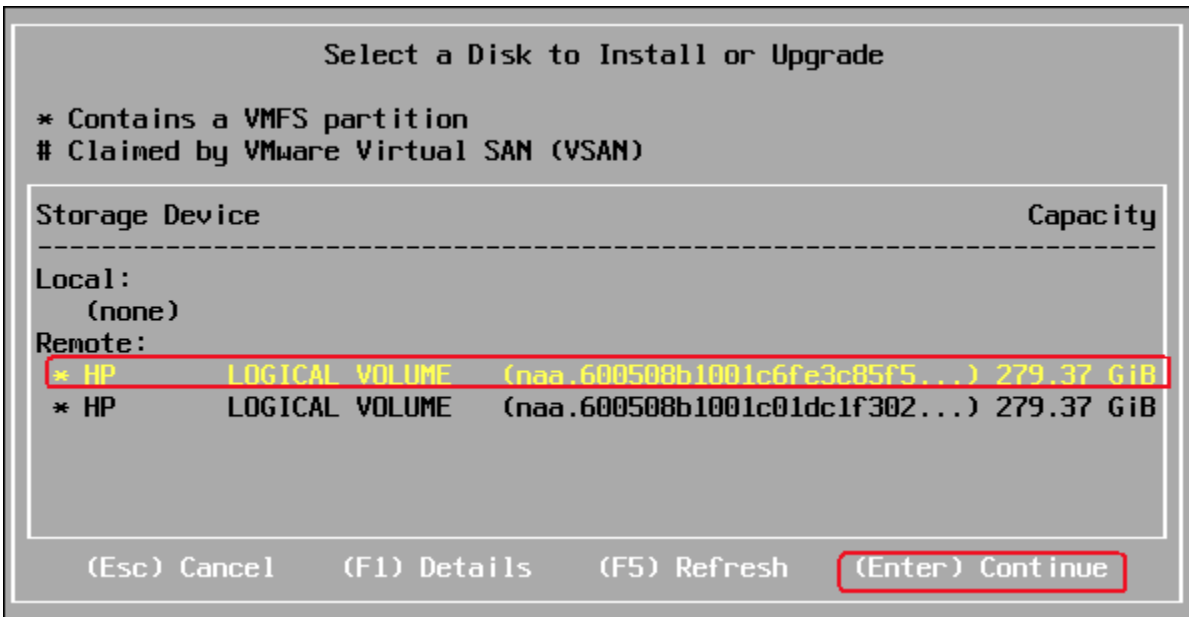
1 通过 USB 启动盘升级

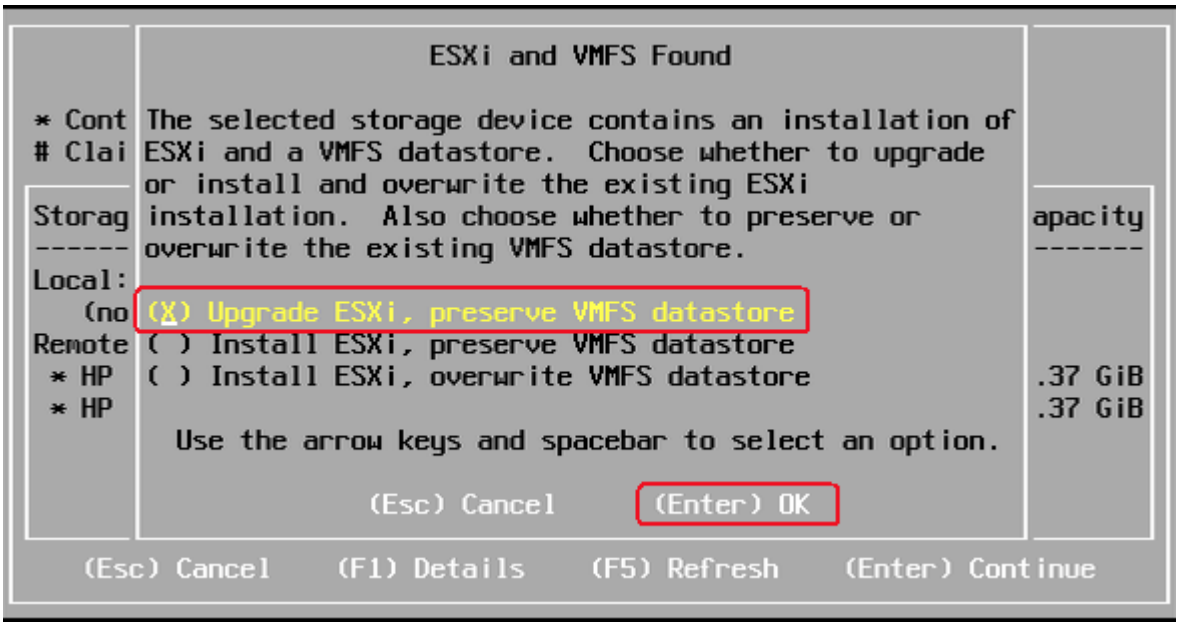
使用 USB 升级好处就是可以跨大版本升级，比如从 5.0/5.1/5.5 升级到 6.0。

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”

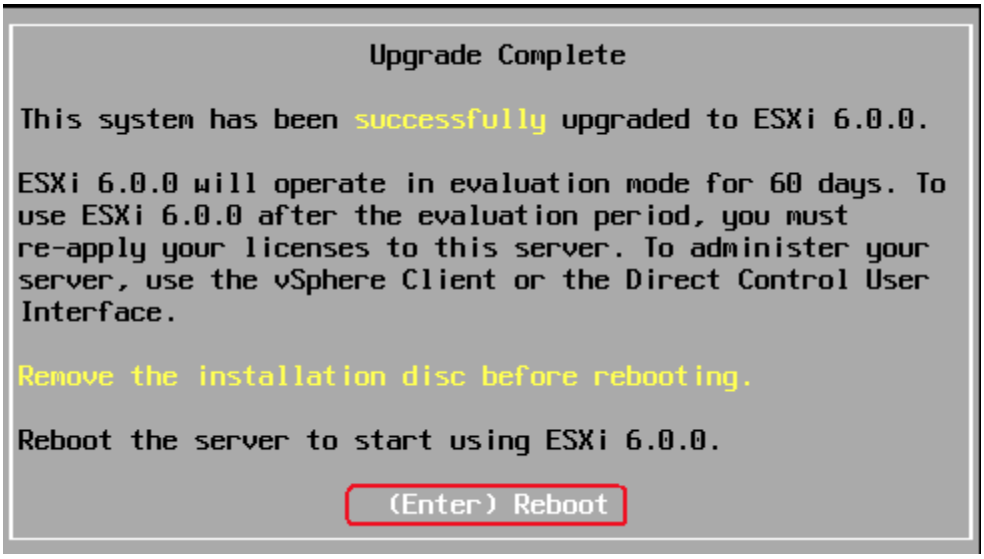





Select a Disk to Install or Upgrade
* Contains a VMFS partition
# Claimed by VMware Virtual SAN (VSAN)
Storage Device Capacity
Local:
(none)
Remote:
* HP LOGICAL VOLUME (naa.600508b1001c6fe3c85f5...) 279.37 GiB
* HP LOGICAL VOLUME (naa.600508b1001c01dc1f302...) 279.37 GiB
(Esc) Cancel
(F1) Details
(F5) Refresh
(Enter) Continue


ESXi and VMFS Found
The selected storage device contains an installation of ESXi and a VMFS datastore. Choose whether to upgrade or install and overwrite the existing ESXi installation. Also choose whether to preserve or overwrite the existing VMFS datastore.
(X) Upgrade ESXi, preserve VMFS datastore
( ) Install ESXi, preserve VMFS datastore
( ) Install ESXi, overwrite VMFS datastore
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

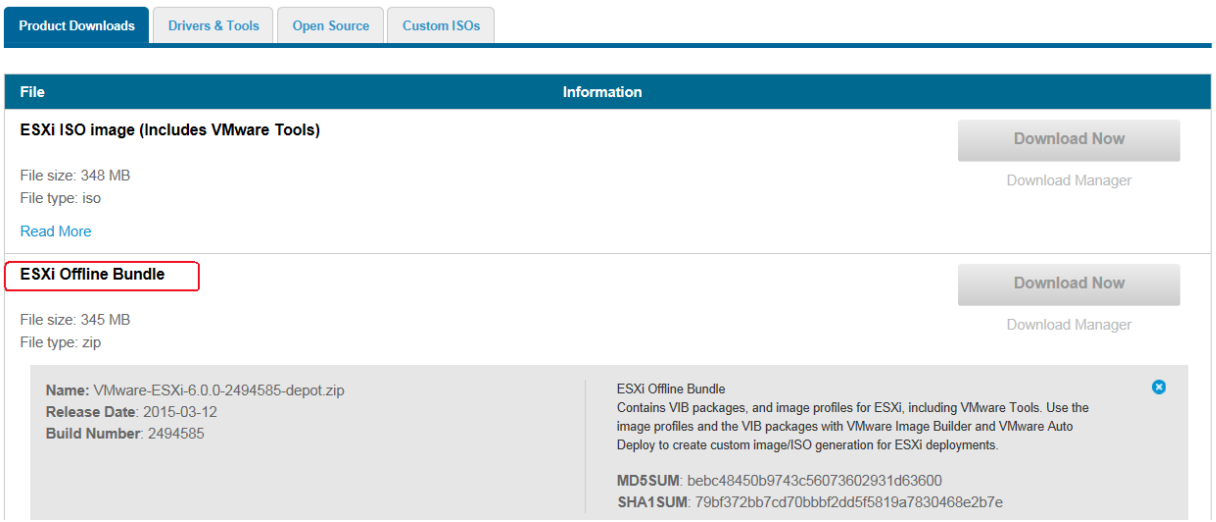


4) 等待升级完成后重启主机

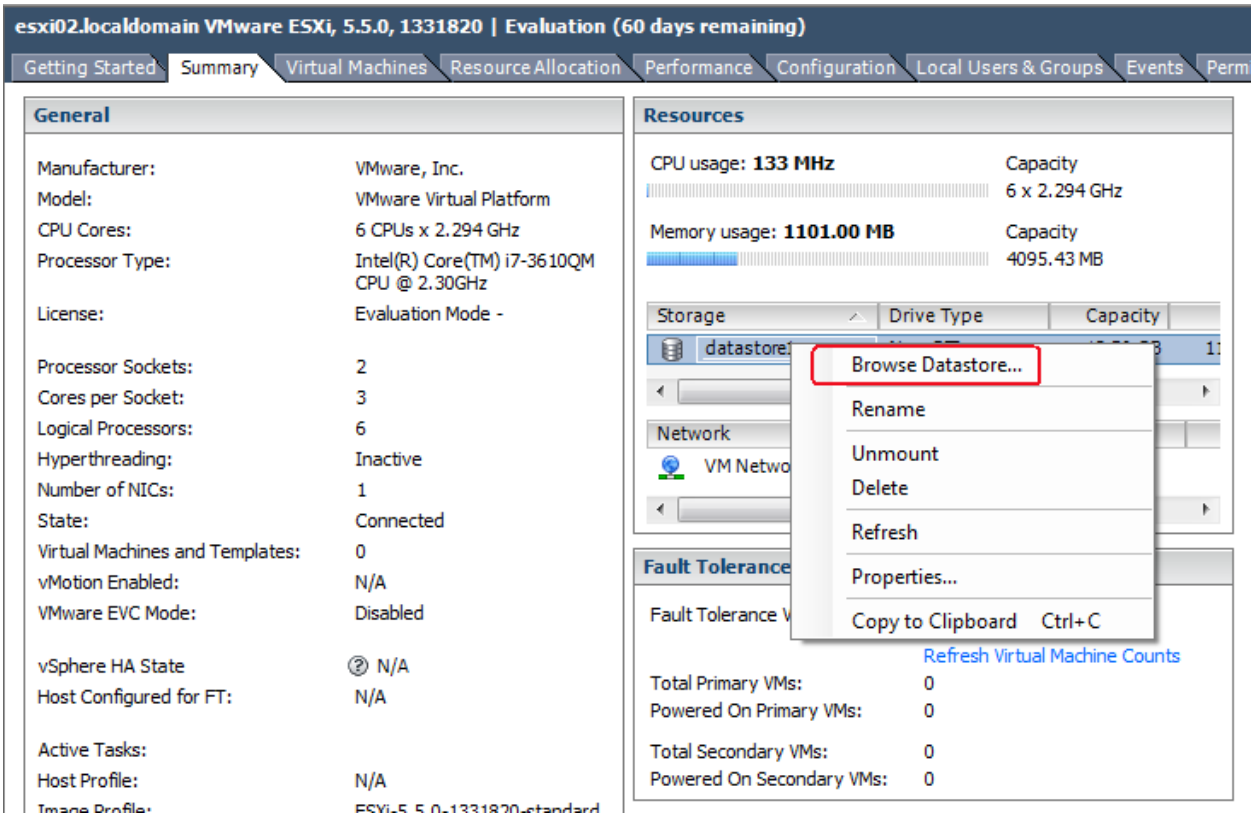
2 通过 Esxcli 命令升级

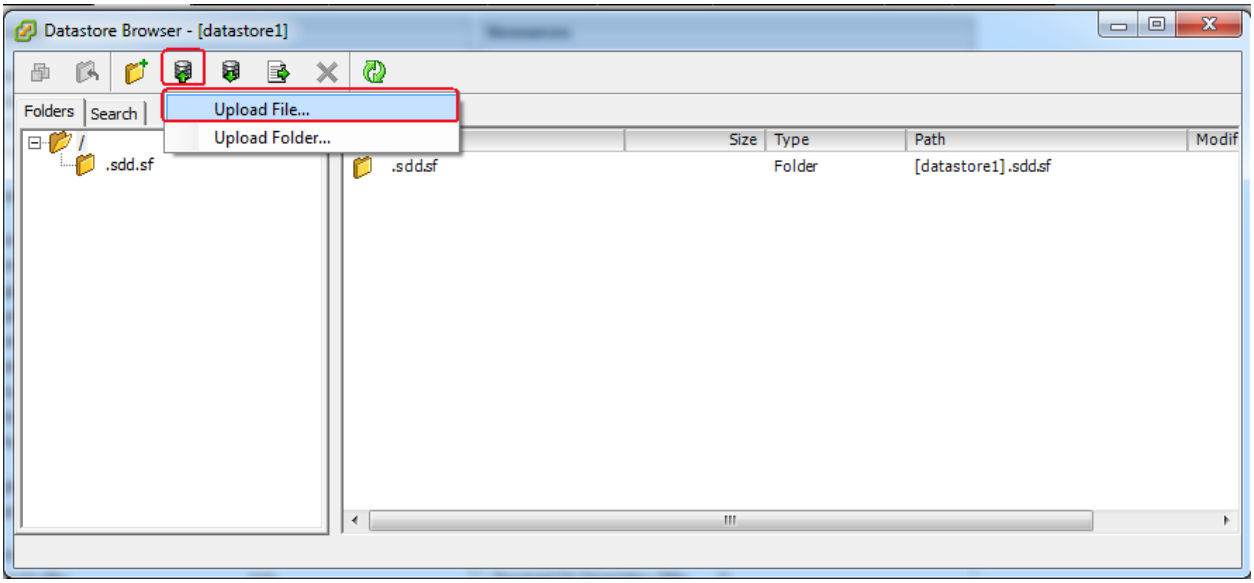
通过 SSH 升级的方式便于你远程操作，但缺点是不能够一次从 5.0/5.1 版本升级到 6.0。如果你是从 5.5 升级则完成没有问题。

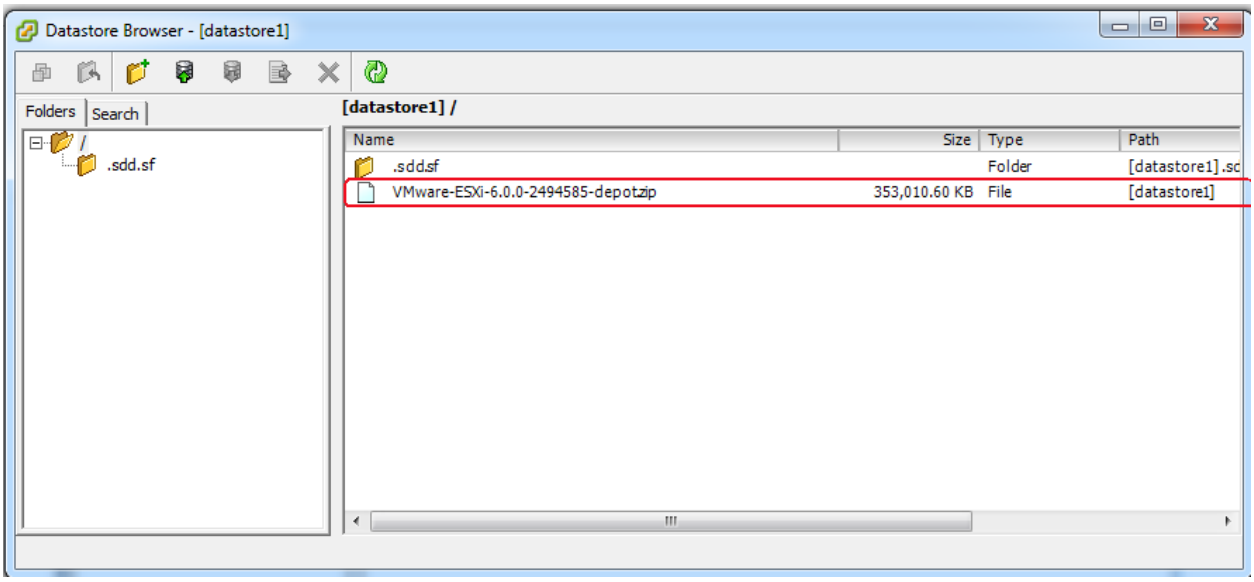
1) 下载官方升级包 ESXi Offline Bundle



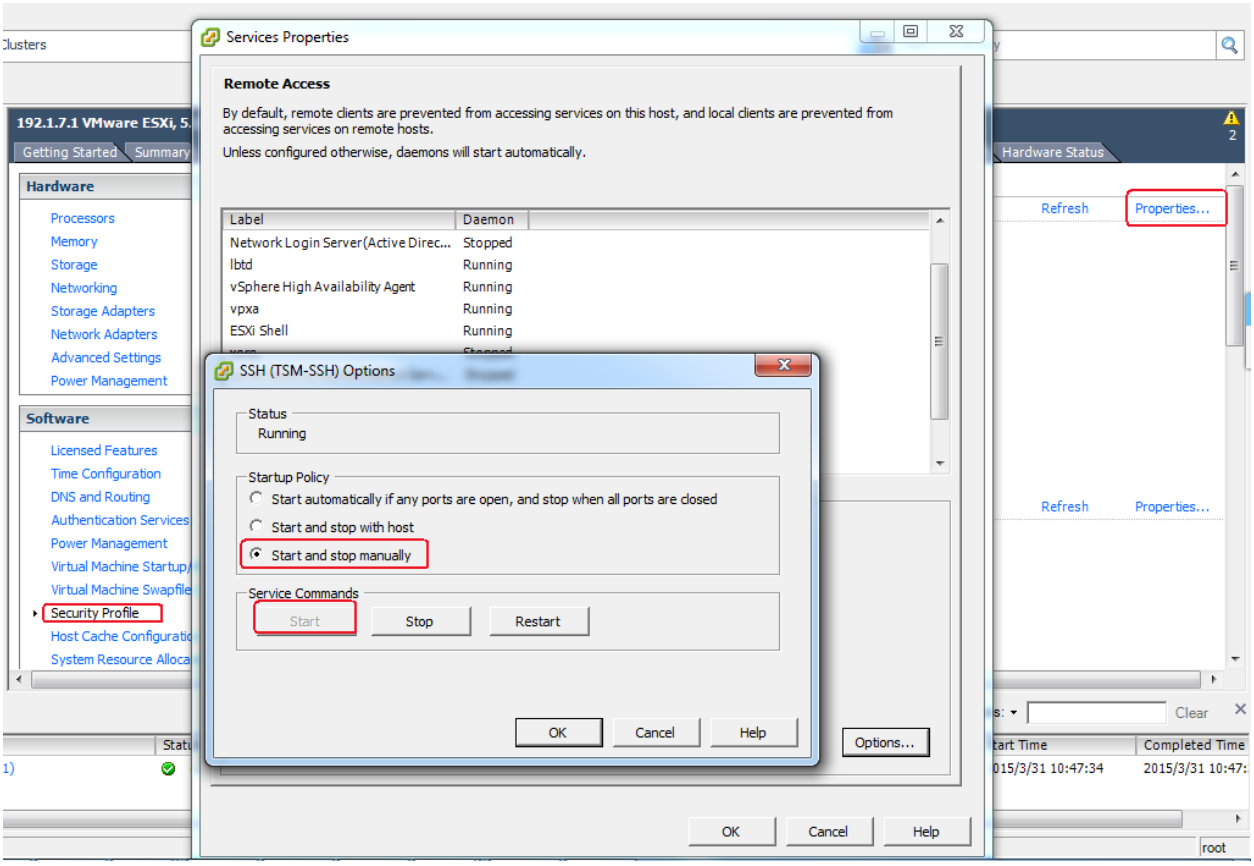
2) 下载完成后将包上传到 ESXi 可见的存储上，我这里使用的 ESXi 本地的存储（注：如果有共享存储，建议上传到共享存储上，这样可以避免多次上传），请记得上传 目录，后面会用到。


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 N/A
Host Configured for FT: N/A
Active Tasks:
Host Profile: N/A
Resources
CPU usage: 133 MHz
Capacity
6 x 2.294 GHz
Memory usage: 1101.00 MB
Capacity
4095.43 MB
Storage
Drive Type
Capacity
Network
Browse Datastore...
Rename
Unmount
Delete
Refresh
Properties...
Copy to Clipboard Ctrl+C
Fault Tolerance
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

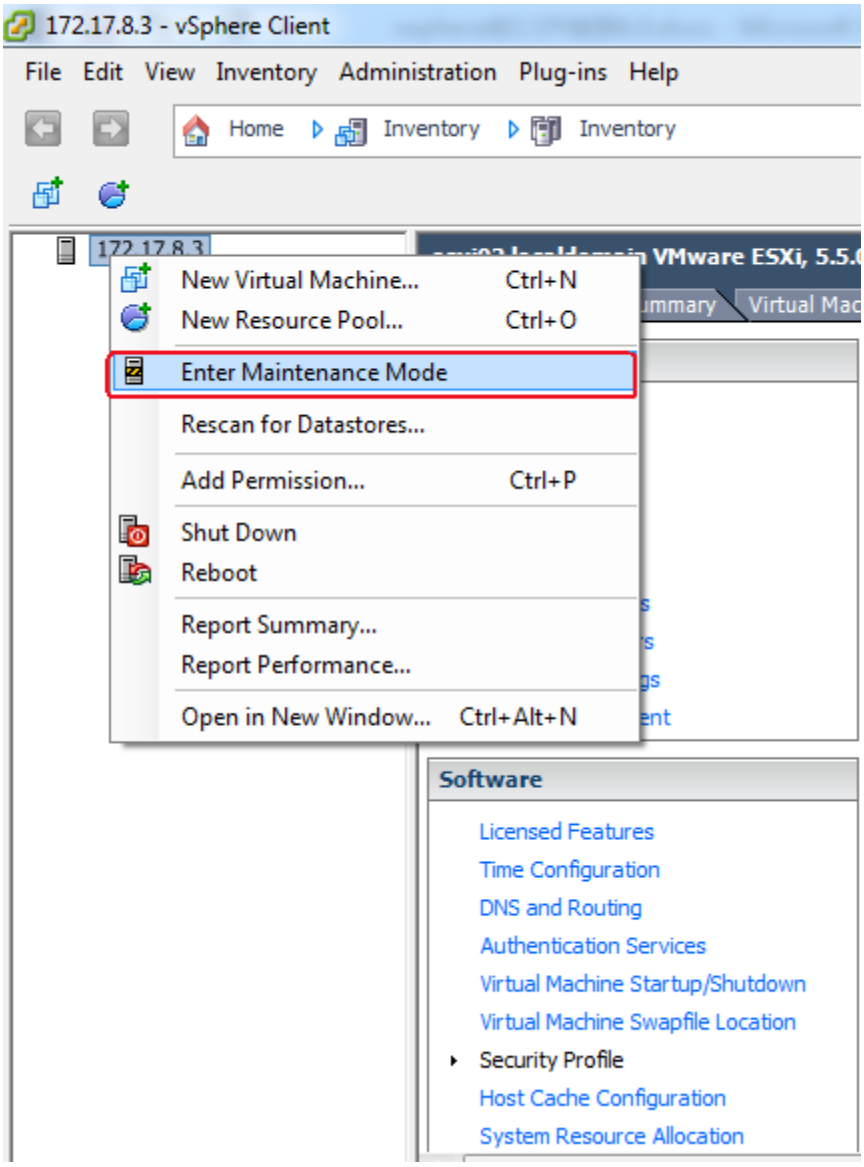


3) 打开 SSH，选择你的主机**> Configuration> Security Profile > Properties > SSH**

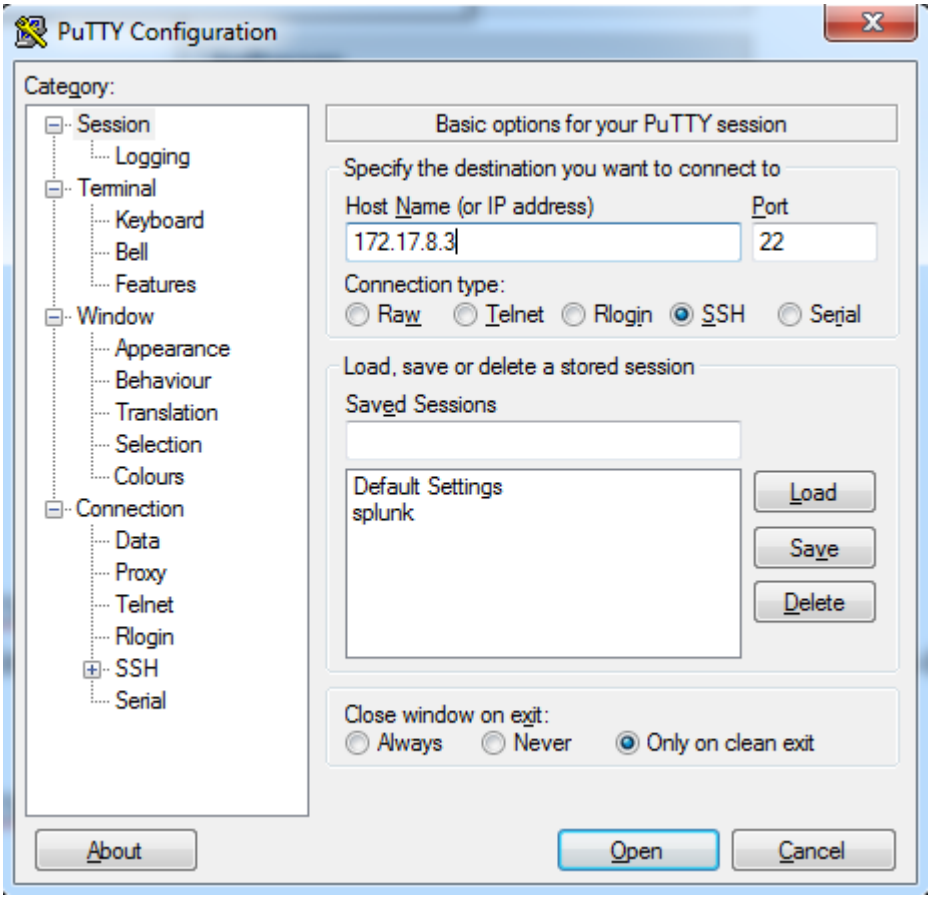


4) 将需要升级的 ESXi 主机上的的虚拟机迁移到集群上的其他 ESXi 主机上

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】