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"



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	Select a Disk to	Install or Upg	ırade
* Contains a VM # Claimed by VM	FS partition ware Virtual SAN (V	SAN)	
Storage Device			Capacity
Local: (none) Remote:			
* HP LOG	ICAL VOLUME (naa.	600508b1001c6fe	:3c85f5) 279.37 GiB
* HP LOG	ICAL VOLUME (naa.	600508b1001c01c	lc1f302) 279.37 GiB
(Esc) Cancel	(F1) Details	(F5) Refresh	(Enter) Continue

	ESXi and VMFS Found	
* Cont # Clai Storag	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.	apacity
Local: (no Remote * HP * HP	 (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. 	.37 GiB .37 GiB
	(Esc) Cancel (Enter) OK	
(Esc	c) Cancel (F1) Details (F5) Refresh (Enter) Cont	inue



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

File			Inf	ormation			
ESXi ISO image (In	cludes VMware	Tools)					Download Now
File size: 348 MB File type: iso Read More							Download Manager
ESXi Offline Bundl	e						Download Now
File size: 345 MB File type: zip							Download Manager
Name: VMware-E Release Date: 20 Build Number: 2	ESXi-6.0.0-249458 115-03-12 494585	5-depot.zip		ESXi Offline Bundle Contains VIB packag image profiles and th Deploy to create cus	ues, and image profiles for the VIB packages with VMw tom image/ISO generation	ESXi, including VI vare Image Builder n for ESXi deploym	Mware Tools. Use the r and VMware Auto eents.
				MD5SUM: bebc4	3450b9743c560736029 72bb7cd70bbbf2dd5f5	931d63600	9h7o

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 Virtu	al Machines Resource Allocation	Performance Configuration Local Users & G	roups Events Perr	
General		Resources		
Manufacturer: Model: CPU Cores: Processor Type:	VMware, Inc. VMware Virtual Platform 6 CPUs x 2.294 GHz Intel(R) Core(TM) i7-3610QM CPU @ 2.30GHz	CPU usage: 133 MHz Capa 6 x 2. Memory usage: 1101.00 MB Capa 4095	city .294 GHz city .43 MB	
License:	Evaluation Mode -	Storage 🛆 Drive Type	Capacity	
Processor Sockets: Cores per Socket: Logical Processors: Hyperthreading: Number of NICs: State: Virtual Machines and Templates: vMotion Enabled: VMware EVC Mode:	2 3 6 Inactive 1 Connected 0 N/A Disabled	Image: datastore Browse Datastore Image: datastore Browse Datastore Image: datastore Rename Image: datastore Rename Image: datastore Unmount Image: datastore Delete Image: datastore Refresh Image: datastore Properties Image: datastore Copy to Clipboard	2trl+C	
vSphere HA State Host Configured for FT:	@ N/A N/A	Refresh Virtual Total Primary VMs: 0 Powered On Primary VMs: 0	Machine Counts	
Active Tasks: Host Profile:	N/A	Total Secondary VMs: 0 Powered On Secondary VMs: 0		
Image Profile	ESVi-5 5 0-1331820-standard	Tomered on occandary that to		

Datastore Browser - [datastore1]	Research 1			x
Folders Search Upload File				
Upload Folder	Size	Туре	Path	Modif
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	III			-

🕜 Datastore Browser - [datastore1]			E	
a 🖍 📁 🎙 🛢 🖹 🗙	0			
Folders Search	[datastore1] /			
	Name	Size	Туре	Path
.sdd.sf	📁 .sdd.sf		Folder	[datastore1].sd
	VMware-ESXi-6.0.0-2494585-depotzip	353,010.60 KB	File	[datastore1]
	< <u> </u>			•

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

Clusters	Services Properties	
192.1.7.1 VMware ESXi, 5. Getting Started Summary	Remote Access By default, remote clients are prevented from accessing services on this host, and local clients are prevented from accessing services on remote hosts. Unless configured otherwise, daemons will start automatically.	A 2 Hardware Status
Processors Memory Storage Networking Storage Adapters Network Adapters	Label Daemon Network Login Server (Active Direc Stopped Ibtd Running vSphere High Availability Agent Running vpxa Running ESXi Shell Running	Refresh Properties
Advanced Settings Power Management Software Licensed Features Time Configuration DNS and Routing Authentication Services	Status Running Startup Policy Start automatically if any ports are open, and stop when all ports are closed	Refresh Properties
Power Management Virtual Machine Startup/ Virtual Machine Swapfile Security Profile Host Cache Configuratio System Resource Alloca	Start and stop with nost	
) Statu 1) Ø	OK Cancel Help Options OK Cancel Help	s: Clear × tart Time Completed Time 015/3/31 10:47:34 2015/3/31 10:47:

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

Reputry Configuration	×
Category:	Basic options for your PuTTY session Specify the destination you want to connect to
Keyboard Bell Features ⊡ Window	Host Name (or IP address) Port 172.17.8.3 22 Connection type: Serial
Appearance Behaviour Translation Selection Colours Connection Data Proxy Telnet Rlogin Cogin	Load, save or delete a stored session Sav <u>e</u> d Sessions
	Default Settings Load splunk Save Delete Delete
Serial	Close window on e <u>x</u> it: Always Never Only on clean exit
About	<u>O</u> pen <u>C</u> ancel

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