

ESXI | esxi6.0-6.7 下添加 USB 硬盘作为数 据存储

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- 原文链接: https://ld246.com/article/1590942612335
- 来源网站:链滴
- 许可协议: 署名-相同方式共享 4.0 国际 (CC BY-SA 4.0)



原文链接点击此处

一、在esxi物理机后台打开SSH的功能

按F2输入密码进入设置界面->Troubleshoot ing Options->Endabled



或者直接在web界面启用shell

vmware esxi		A			root@192.168.0.103 👻		
12 导航器 〇	ESXi						
 □ 日 主机 □ 日 主机 □ 田 主机 □ 営運 □ 监控 □ 副 Windows 7 □ 监控 > 函 k8s-node2 > 函 k8s-master □ 原多虚斑斑肌 • □ 存储 □ mpx.vmhba0:C0:T2:L0 > □ datastore1 □ 更多存稿 • ② 网络 ○ vmk0 > ③ vmk0 > ④ VM Network □ 愛多阿瘡 	一	 · ②		が注册違拟机 1 日日早 調算研模式	CPU 巴用: 1.9 GHz 内存 已用: 6.04 GB 存储 2 盒用安全 Shell (SSH) 2 盒用控制台 Shell		
	- 硬件		1. 物定	模式			
🗉 🎯 mpx.vmhba0:C0:T2:L0	制造商	LENOVO	8. 权限		ESXI-6.7.0-20181104001		
• 🗐 datastore1	型号	62772A9	G		Inc.)		
更多存储	+ 🖬 CPU	2 CPUs x Intel(R) Core(TM) i5-3210M CPU @ 2.50			未配置		
▼ 🧕 网络	1 内存	7.82 GB	SSH	控制台	不受支持		
vmk0	麗 永久内存	III 永久内存 0 B		* 系统信息			
▶ 👥 VM Network 更多同绪	• 🛃 虚拟闪存	0 B 已用, 0 B 容量		主机上的日期/时间	2020年5月31日星明日		

二、在不接入USB硬盘的情况下输入以下命令

\$ /etc/init.d/usbarbitrator stop

\$ chkconfig usbarbitrator off

• •	1 vee — ssh root@192.168.1.101 — 80×24	
VMware offers su see www.vmware.cv	pported, powerful system administration tools. Please om/go/sysadmintools for details.	
The ESXi Shell ca vSphere Security	an be disabled by an administrative user. See the documentation for more information.	
[root@localhost:	~]	
[root@localhost:	~]	
[root@localnost:	~]	
[root@localhost:	~]	
[root@localhost:	~]	
[root@localhost:	~]	
[root@localhost: UsbUtil: Releasi watchdog-usbarbi	<pre>~] /etc/init.d/usbarbitrator stop ng all USB adapters to VMkernel trator: Terminating watchdog process with PID 2098238</pre>	
usbarbitrator st	opped	
[root@localhost:	~] chkconfig usbarbitrator off	
[root@localhost:	~] esxcli storage core device list grep -i usb	
Display Name:	Local USB Direct-Access (mpx.vmhba33:C0:T0:L0)	
Is USB: true		
Is USB: false		
Is USB: false		
[root@localhost:	~]	

三接入你的USB硬盘。输入以下命令。这时我们可以看到(Is USB:true)说明我们的usb硬盘已经被识别出来

esxcli storage core device list |grep -i usb



ls /dev/disks/

• • •	ree — ssh root@192.16	58.1.101 — 93×40
[root@loca	lhost:~] esxcli storage core device list	grep -i usb
Display	Name: Local USB Direct-Access (mpx.vmhba	a32:C0:T0:L0)
Is USB:	true	
Is USB:	false	
Is USB:	false	
[root@loca	lhost:~] ls /dev/disks/	
mpx.vmhba3	2:C0:T0:L0	
t10.ATA	_CWDISK	AA18010900003084210
t10.ATA	CWDISK	AA18010900003084210:1
t10.ATA	CWDISK	AA18010900003084210:2
t10.ATA	CWDISK	AA18010900003084210:3
t10.ATA	CWDISK	AA18010900003084210:5
t10.ATA	CWDISK	_AA18010900003084210:6
t10.ATA	CWDISK	AA18010900003084210:7
t10.ATA	CWDISK	AA18010900003084210:8
t10.ATA	CWDISK	AA18010900003084210:9
t10.ATA	WDC_WD20EURS2D63S48Y0	WD2DWCAZAJ063809
t10.ATA	WDC_WD20EURS2D63S48Y0	WD2DWCAZAJ063809:1
t10.ATA	WDC_WD20EURS2D63S48Y0	WD2DWCAZAJ063809:2
t10.ATA	WDC_WD20EURS2D63S48Y0	WD2DWCAZAJ063809:3
vml.010000	0000202020202057442d5743415a414a30363338	3039574443205744
vml.010000	0000202020202057442d5743415a414a30363338	3039574443205744:1
vml.010000	0000202020202057442d5743415a414a30363338	3039574443205744:2
vml.010000	0000202020202057442d5743415a414a30363338	3039574443205744:3
vml.010000	00003031323334353637383941424344454e53313	303636
vml.010000	0000414131383031303930303030303330383432	313043574449534b
vml.010000	0000414131383031303930303030303330383432	313043574449534b:1
vml.010000	00004141313830313039303030303033330383432	313043574449534b:2
vml.010000	00004141313830313039303030303033303834323	313043574449534b:3
vml.010000	0000414131383031303930303030303033303834323	313043574449534b:5
vml.010000	0000414131383031303930303030303033303834323	313043574449534b:6
vml.010000	00004141313830313039303030303033303834323	313043574449534b:7
vml.010000	0000414131383031303930303030303033303834323	313043574449534b:8
vml.010000	0000414131383031303930303030303330383432	313043574449534b:9

[root@localhost:~]

或

[root@ESXi:] ls /dev/dis	ks/			
naa.5000000	00000001				
t10.ATA	Samsung_SSD_8	50_PRO_128GB_		S25SNSAG400199B	
t10.ATA	Samsung_SSD_8	50_PRO_128GB		S25SNSAG400199B	:1
t10.ATA	Samsung_SSD_8	50_PRO_128GB_	:	S25SNSAG400199B	:2
t10.ATA	Samsung_SSD_8	50_PRO_128GB_		S25SNSAG400199B	:3
t10.ATA	Samsung SSD 8	50 PRO 128GB		\$25\$N\$AG4001998	:5
t10.ATA	Samsung_SSD_8	50_PRO_128GB_		S25SNSAG400199B	:6
t10.ATA	Samsung_SSD_8	50_PRO_128GB_		S25SNSAG400199B	:7
t10.ATA	Samsung_SSD_8	50_PRO_128GB	5	S25SNSAG400199B	:8
t10.ATA	Samsung_SSD_8	50_PRO_128GB		S25SNSAG400199B	:9
vml.0100000	00533235534e5	3414734303031	393942202020202	2053616d73756e	
vml.0100000	00533235534e5	3414734303031	393942202020202	2053616d73756e:1	
vml.0100000	00533235534e5	3414734303031	393942202020202	2053616d73756e:2	
vml.0100000	00533235534e5	3414734303031	393942202020202	2053616d73756e:3	
vml.0100000	00533235534e5	3414734303031	393942202020202	2053616d73756e:5	
vml.0100000	00533235534e5	3414734303031	393942202020202	2053616d73756e:6	
vml.0100000	00533235534e5	3414734303031	393942202020202	2053616d73756e:7	
vml.0100000	00533235534e5	3414734303031	393942202020202	2053616d73756e:8	
vml.0100000	00533235534e5	3414734303031	393942202020202	2053616d73756e:9	
vml.0200000	0050000000000	000014e533130	3638		



\$ partedUtil mklabel /dev/disks/mpx.vmhba32\:C0\:T0\:L0 gpt

\$ partedUtil getptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0

	🏠 vee — s	ssh root@192.168.1.101 — 93×40	
[[root@localhost: Display Name: Is USB: true	~] esxcli storage cor Local USB Direct-Acc	e device list grep -i usb ess (mpx.vmhba32:C0:T0:L0)]
Is USB: false	1		
Is USB: false	1 la (dau/diaka/		1
mpy ymbba32:C0:1	~] IS /dev/disks/		1
+10.ATA CWDT	SK	AA18010900003084210	
t10.ATA CWDI	SK	AA180109000003084210:1	
t10.ATA CWDI	SK	AA180109000003084210:2	
t10.ATA CWDI	SK	AA18010900003084210:3	
t10.ATACWDI	SK	AA18010900003084210:5	
t10.ATACWDI	SK	AA18010900003084210:6	
t10.ATACWDI	SK	AA18010900003084210:7	
t10.ATACWDI	.sk	AA18010900003084210:8	
t10.ATACWDI	.sk	AA18010900003084210:9	
t10.ATAWDC_	WD20EURS2D63S48Y0	WD2DWCAZAJ063809	
t10.ATAWDC_	WD20EURS2D63S48Y0	WD2DWCAZAJ063809:1	
t10.ATAWDC_	WD20EURS2D63S48Y0	WD2DWCAZAJ063809:2	
t10.ATAWDC_	WD20EURS2D63S48Y0	WD2DWCAZAJ063809:3	
vm1.01000000020	12020202057442d5743415	a414a303633383039574443205744	
vml.01000000020	12020202057442d5743415	a414a303633383039574443205744:1	
vm1.010000000020	12020202057442d5743415	a414a303633383039574443205744:2	
vm1.010000000020	12020202057442d5743415	a414a303633383039574443205744:3	
Vm1.010000000030	/3132333435363/3839414	2434445465331303636	
vm1.01000000041	.413138303130393030303	0303330383432313043574449534D	
Vm1.010000000041	.41313830313039303030303	03033303834323130435744495340:1	
Vm1.010000000041	.41313830313039303030303	030333038343Z3L3043574449534D;Z	
VM1.010000000041	.41313830313039303030303	03033303834323130435744495340:3	
Vm1.010000000041	41313830313039303030303	03033303834323130435744495346:5	
vm1.010000000041	4131303031303730303030303	03033303634323130430744490340;0	
vml 010000000041	4131303031303930303030303	03033303034323130435744493340.7	
vml 010000000041	4131303031303730303030303	03033303034323130435744493340.0 02022202824222130435744493340.0	
[[root@localhost:	~l partedutil mklabel	/dev/disks/mpy_ymbha32\:C0\:T0\:L0_ant	1
[[root@localhost:	~l partedUtil getoth	/dev/disks/mpx.vmbba32\:C0\:T0\:L0	1
apt	, partouotir gotpibi		1
60801 255 63 976	773168		
[root@localhost:	~1		

或

\$ partedUtil mklabel /dev/disks/naa.500000000000001 gpt

\$ partedUtil getptbl /dev/disks/naa.5000000000000000

Æ



	🏠 vee — ssh ro	oot@192.168.1.101 — 93×40	
Is USB: true			
Is USB: false			
Is USB: false			
[root@localhost:~] 1	.s /dev/disks/		1
mpx.vmhba32:C0:T0:L0	8		
t10.ATACWDISK		AA18010900003084210	
t10.ATACWDISK		AA18010900003084210:1	
t10.ATACWDISK		AA18010900003084210:2	
t10.ATACWDISK		AA18010900003084210:3	
t10.ATACWDISK		AA18010900003084210:5	
t10.ATACWDISK		AA18010900003084210:6	
t10.ATACWDISK		AA18010900003084210:7	
t10.ATACWDISK		AA18010900003084210:8	
t10.ATACWDISK		AA18010900003084210:9	
t10.ATAWDC_WD20	EURS2D63S48Y0	WD2DWCAZAJ063809	
t10.ATAWDC_WD20	EURS2D63S48Y0	WD2DWCAZAJ063809:1	
t10.ATAWDC_WD20	EURS2D63S48Y0	WD2DWCAZAJ063809:2	
t10.ATAWDC_WD20	EURS2D63S48Y0	WD2DWCAZAJ063809:3	
vml.010000000202020	202057442d5743415a414	a303633383039574443205744	
vml.0100000000202020	202057442d5743415a414	a303633383039574443205744:1	
vml.0100000000202020	202057442d5743415a414	a303633383039574443205744:2	
vml.0100000000202020	202057442d5743415a414	a303633383039574443205744:3	
vml.010000000303132	333435363738394142434	4454e5331303636	
vml.010000000414131	38303130393030303030303	330383432313043574449534b	
vml.010000000414131	38303130393030303030303	330383432313043574449534b:1	
vml.010000000414131	38303130393030303030303	330383432313043574449534b:2	
vml.0100000009414131	38303130393030303030303	330383432313043574449534b:3	
vml.010000000414131	38303130393030303030303	330383432313043574449534b:5	
vml.0100000000414131	38303130393030303030303	330383432313043574449534b:6	
vml.0100000000414131	38303130393030303030303	330383432313043574449534b:7	
vml.0100000000414131	38303130393030303030303	330383432313043574449534b:8	
vml.0100000000414131	38303130393030303030303	330383432313043574449534b:9	
[root@localhost:~] n	artedUtil mklabel /de	v/disks/mox.vmbba32\:C0\:T0\:L0 opt	1
[root@localhost:~] n	artedUtil getotbl /de	v/disks/mpx.vmbha32\:C0\:T0\:L0	1
ant	dittedetil getptel / de		2
60801 255 63 9767731	68		
[root@localhost:~] e	val evor \$(parteduti)	<pre>detothl /dev/disks/mox ymbha32\:C0\:T0\:L0 </pre>	tail -
1 awk '{print \$1 "	* " \$2 " * " \$3	· getptor / act/artika/mpx.thmba02(100(110(120	COLL
976768864	11- VE [1+ 00]	ic 🖌 storig 📥	
[root@localhost:~1	r		
[rooterocarnost.~]	4		
			

[root@ESXi:~] eval expr \$(partedUtil getptbl /dev/disks/naa.5000000000000001 | tail -1 | awk '(print \$1 " * " \$2 " * " \$3}') 976768064



\$ partedUtil setptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0 gpt "1 2048 976768064 AA31E02A4 0F11DB9590000C2911D1B8 0"

	12×50 roe — ssh root@192.168.1.101 — 112×50
[root@localhost:] esxcli storage core device list grep -i usb
Display Name:	Local USB Direct-Access (mpx.vmhba32:C0:T0:L0)
Is USB: true	
Is USB: false	
Is USB: false	
[root@localhost:] ls /dev/disks/
mpx.vmhba32:C0:T	:L0
t10.ATACWDI	KAA180109000003084210
t10.ATACWDI	KAA18010900003084210:1
t10.ATACWDI	KAA18010900003084210:2
t10.ATACWDI	KAA18010900003084210:3
t10.ATACWDI	KAA18010900003084210:5
t10.ATACWDI	KAA18010900003084210:6
t10.ATACWDI	KAA180109000003084210:7
t10.ATACWDI	KAA18010900003084210:8
t10.ATACWDI	KAA180109000003084210:9
t10.ATAWDC_W	020EURS2D63S48Y0WD2DWCAZAJ063809
t10.ATAWDC_N	D20EURS2D63S48Y0WD2DWCAZAJ063809:1
t10.ATAWDC_V	D20EURS2D63S48Y0WD2DWCAZAJ063809:2
t10.ATAWDC_W	D20EURS2D63S48Y0WD2DWCAZAJ063809:3
vml.0100000000203	828282857442d5743415a414a383633383839574443285744
vml.0100000000203	#20202057442d5743415a414a303633383039574443205744:1
vml.0100000000203	820202057442d5743415a414a303633383039574443205744:2
vml.0100000000203	820202057442d5743415a414a303633383039574443205744:3
vml.0100000000303	1323334353637383941424344454e5331303636
vml.010000000041	131383031303930303030303330383432313043574449534b
vml.010000000041	131383031303930303030303383383432313043574449534b:1
vml.01000000041	13138303130393030303030330383432313043574449534b:2
vm1.01000000041	13138303130393030303030330383432313043574449534b:3
vm1.010000000041	13138303130393030303030330383432313043574449534b:5
vml.01000000041	131383031303930303038383383383432313043574449534b:6
vml.01000000041	13138303130393030303030330383432313043574449534b:7
vml.01000000041	13138303130393030303030330383432313043574449534b:8
vml.01000000041	13138303130393030303030338383432313043574449534b:9
[root@localhost:] partedUtil mklabel /dev/disks/mpx.vmhba32\:C0\:T0\:L0 gpt
[root@localhost:] partedUtil getptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0
gpt	
60801 255 63 976	73168
[root@localhost:] eval expr \$(partedUtil getptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0 tail -
1 awk '{print !	1 " * " \$2 " * " \$3}') - 1
976768064	
[root@localhost: 590000C2911D1B8] partedUtil setptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0 gpt "1 2048 976768064 AA31E02A400F11DB9 "
gpt	
0000	
1 2048 976768064	AA31E02A400F11DB9590000C2911D1B8 0
root@localhost:	

或

\$ partedUtil setptbl /dev/disks/naa.50000000000000001 gpt "1 2048 976768064 AA31E02A400 11DB9590000C2911D1B8 0"



\$ vmkfstools -C vmfs5 -S USB_Datastore /dev/disks/mpx.vmhba32\:C0\:T0\:L0:1

		12×50 root@192.168.1.101 - 112×50
[root@loca	alhost:~] ls /dev/disks/ 32:C0:T0:L0	
+10.ATA	CWDISK	4418010000003084210
+10.ATA	CWDISK	AA18010900003084210:1
+10.ATA	CWDISK	AA18010900003084210:2
+10.ATA	CWDISK	AA18010900003084210:3
+10.ATA	CWDISK	AA18010900003084210:5
+10.ATA	CWDISK	AA18818988983884210:6
+10.ATA	CWDISK	AA18010900003084210:7
+10.ATA	CWDISK	AA18010900003084210:8
+10.ATA	CWDISK	AA188189989893884218:9
+10.ATA	WDC WD20EURS2D63S48Y0	WD2DWC&ZA 19638899
+10 ATA	WDC_WD20EURS2D63548V0	WD2DWCA7A3860-1
+10 ATA	WDC_WD20EUR3200334810	
+10 ATA	WDC_WD20EURS2D6354810	
um] 01000	NDCND20E0R32D0334010	/15////20242220202057///22057//
vm1 01000	00000202020202020574420574	N15841453053053050573/4443203/44
vm1.01000	000002020202020205744205745	415414,303033300577/###3203/##.1
VIII1.01000	000002020202020205744205743	4138414830303030307374443203744.2
vin1.01000	000002020202020203744203742	41384148383835353638373/4443283/44.3
VIII1.01000	0000030313233343530373037	11424344493450331363030
Vm1.01000	0000041413138303130393036	303030333303634323130435/44470340
VIII.01000	0000041413138303130373038	303030333303634323130435744475340:1
Vm1.01000	0000041413138303130393036	30303033330363432313043574449534D:2
Vm1.01000	0000041413138303130393030	30303033303634323130430/4449034D:3
Vm1.01000	0000041413138303130393036	30303033303834323130435744495340:5
VM1.01000	0000041413138303130393038	30303033303834323130435744495340:0
Vm1.01000	0000041413138303130393038	30303033303834323130435744495340:7
Vm1.01000	0000041413138303130393036	30303033303834323130435744495345:8
vm1.01000	0000041413138303130393036	30303033303834323130435744495345:9
[root@loca	alhost:~] partedUtil mkla	bel/dev/disks/mpx.vmbba32\:C0\:T0\:L0 gpt
[root@loca	alhost:~] partedUtil getp	tbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0
gpt		
60801 255	63 976773168	
[root@loca	alhost:~] eval expr \$(par	tedUtil getptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0 tail -
1 awk '	{print \$1 " * " \$2 " \\	* " \$3}') - 1
976768064		
[root@loc: 590000C29:	alhost:~] partedUtil setp 11D1B8 0"	tbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0 gpt "1 2048 976768064 AA31E02A400F11DB9
gpt 0 0 0 0		
1 2048 97	6768064 AA31E02A400F11DB9	590000C2911D1B8 0
[root@loca	alhost:~] vmkfstools -C v	mfs5 -S USB_Datastore /dev/disks/mpx.vmhba32\:C0\:T0\:L0:1
create fs	deviceName: '/dev/disks/m	px.vmhba32:C0:T0:L0:1', fsShortName:'vmfs5', fsName:'USB Datastore'
deviceFul	lPath:/dev/disks/mpx.vmht	a32:C0:T0:L0:1 deviceFile:mpx.vmhba32:C0:T0:L0:1
ATS on de	vice /dev/disks/mpx.vmhba	32:C0:T0:L0:1: not supported
Checking	if remote bosts are using	this device as a valid file evetem. This may take a few seconds

Checking if remote hosts are using this device as a valid file system. This may take a few seconds... Creating vmfs5 file system on "mpx.vmhba32:C0:T0:L0:1" with blockSize 1048576 and volume label "USB_Datastore". Successfully created new volume: 5b270883-dcb713f1-1c72-e43a6e0448e3 [root@localhost:~]

或

\$ vmkfstools -C vmfs5 -S USB_Datastore /dev/disks/naa.50000000000001:1

[root@ESXi:~] vmkfstools -C vmfs5 -S USB_Datastore /dev/disks/naa.500000000000001:1 create fs deviceName:'/dev/disks/naa.50000000000001:1', fsShortName:'vmfs5', fsName:'USB_Datastore' deviceFullPath:/dev/disks/naa.50000000000001:1 deviceFile:naa.500000000000001:1 ATS on device /dev/disks/naa.5000000000000001:1: not supported

Checking if remote hosts are using this device as a valid file system. This may take a few seconds... Creating vmfs5 file system on "naa.50000000000001:1" with blockSize 1048576 and volume label "USB_Datastore". Successfully created new volume: 5ed3d790-23e15a17-921e-28d244c9c43a

力。最后回到我们的esxi后台存储,就可以看到我们存储器 置多了一个USB硬盘啦,天功告成。

vmware: Esxi"						roat@192.168.0.103	t - ₩80 -	- 1 9.推察	
TT 9MB	□ ESXI-存留								
★ □ 主机 管理 监控	100%76% 通知器 说像 永久内存 121 新建改进符编 13 和江中县 (12)注册出现机 (12)	数据存储刘远器 (R# Ø SA					Q.提案	
• 🔂 盘照机 📗	名称	- 怒动器供型 -	容量 ~	已置象 ~	可用・	後回く	精洁资质	~ 访问	~
- 👸 Windows 7	datastore 1	SSD	111.75 GB	84.24 GB	27.51 GB	VMFS6	受支持	仲単个	
监控	USB Datastore	# SSD	465.5 GB	974 MB	464.55 GB	VMFS5	受支持	単个	
 人口 k8s-mode2 人口 k8s-master 更多武用机 									2頃」
● 研究.vmhba0:C0:T2:L0 ● 団 datastore1 更多存得—									