dell_R730 远程安装系统

有时我们可能要给实体服务器重装一下系统,而有时由于种种原因无法到机房现场去,好在 大多数品牌的服务器都有远程卡,可远程登录并操作 bios 界面。本章以 dell r730 的 iDRAC 远程卡为例讲解一下远程安装系统。

①通过 html5 界面

首先登录目标服务的远程卡管理界面,一般用 https web 界面管理

Access C	d Dell Remote ontroller 8 Enterprise	
System PowerEdge R730 root, Admin Overview Server -Logs -Power / Thermal	Console Virtual Console Options: > Launch Virtual Console	
-Virtual Console -Alerts -Setup Troubleshooting	Virtual Console	Value
Licenses	Enabled	
	Max Speciane	6
+ Hardware	Active Sections	0
+ Storage	Autre dessions	5000
+ Host OS		5900
	Video Encryption Enabled	
	Plug-in Type	HIML5
	Default action upon session sharing request timeout	Deny access 🗸 🤟
	Automatic System Lock	
	Keyboard/Mouse Attach State	Auto-Attach 🗸

如上图,进入远程卡 web 管理后,设置 console 界面的查看方式,点击 "Server" → "Virtual Console" 然后在 Plug-in Type 里选择 Html5,点击右下角的 "应用",再回到 Server 主界面:

Access	ated Dell Remote s Controller 8 Enterprise			
System PowerEdge R730 root , Admin	Properties Attached Media vFlash S Summary Details System Inventory	ervice Module Job Queue		
Overview Server	System Summary			
Logs Power / Thermal Virtual Console Alerts Setup Troubleshooting Licenses Intrusion URAC Settings Hardware Hardware Host OS	Server Health Batteries Fans Fans Power Supplies Removable Flash Media	Voltages	Virtual Console Preview	> Settings > Refresh > Launch
	Consultation		Quick Laurach Taraka	

在主界面的 Virtual Console Preview 下点击 "Launch" 启动 web 版的 console 终端界面,相当于用显示器去连接真实的服务器了,可以操作 bios 界面的



如果显示 No signal,则再重启 launch, console 界面如下,如果原有系统为 linux 则登录系统, 查看一下系统信息,确认此服务器为目标服务(要重装系统的那台)



确认后,就给它连接一个虚拟安装光盘介质,点击 web Console 界面的右上角的"Connect Virtual Media"连接虚拟介质

=idrac-HY270H2, PowerEdge R730, User: root&lang=en&aimSession=5&ST2=6854 Chat Keyboard Screen Capture Refresh Full Screen Connect Virtual Media Disconnect Viewer Cons state UNKNOWN group default glen 1000 00

Virtual Media		
Virtual Media is o	connected	Disconnect Virtual Media
Map CD/DVD		
Image File	Browse No file selected.	Map Device
Map Remova	Read Only ble Disk	
Image File	Browse No file selected.	Map Device
	Read Only	
Resets the USB S	State for redetection.	Reset USB

在 Map CD/DVD 下选择本地电脑上的安装镜像文件,点击 "Browser ...'

Virtual Media			x
Virtual Media is c	connected		Disconnect Virtual Media
Map CD/DVD			Man Device
indge i ne	Read Onl	CentOS-7-X86_64-MINIMAI-2003.IS6	
Map Removal	ble Disk		
Image File	Browse	No file selected.	Map Device
	🗹 Read Onl	(
Resets the USB S	state for redetection.		Reset USB

选择目标镜像文件后,再点击右边的"Map Device",就可关闭此"Virtual Media"对话框如果旧的系统还能进入,则在旧系统里重启服务器,如果旧系统不可用,则在远程卡管理界面进行关机,可以在 server 主界面右下角点击 Power cycle system (cold boot)冷启动,

System PowerEdge R730 root , Admin	Properties Attached Media vFlash Summary Details System Inventory	Service Module Job Queue	
Overview Server Logs Power / Thermal Virtual Console Alerts Setup Troubleshooting Licenses Intrusion HDRAC Settings	System Summary Server Health Batteries Fans Intrusion	Temperatures Voltages	Virtual Console Preview
Hardware Storage Host OS	Power Supplies Removable Flash Media Server Information		Quick Launch Tasks
	Power State System Model System Revision System Host Name Operating System Operating System Version Service Tag Express Service Code	ON PowerEdge R730 I MINWINPC HY270H2 39064836134	Power ON / OFF Power Cycle System (cold boot) System ID LED ON/OFF C View Logs Update and Rollback Reset iDRAC
You are abou	t to execute a server contro	ol action. Are you sure you want	to continue? Cancel

ystem owerEdge R730	Power Monitoring Power Configuration Voltages Temperatures	
bot , Admin	Power Monitoring	
Server	Jump to: Power Present Reading Power Supply Unit Readings Cumulative Reading Historical Peaks Historica	al Trends
Power / Thermal		
-Virtual Console	Status	
Alerts	Power Control Power Cycle System (cold boot)	
Troubleshooting		
Licenses	Health	OK
Intrusion	Server Status	ON
Hardware	Present Reading	
+ Storage	Power Supply Redundancy	Full
111-100		

或者在 Server 下的 Power/Thermal 选择卡右边, Status 下选择 Power cycle system (cold boot) 再点击右边的 Apply 应用

Warnin	g				
	You are about to exec continue?	cute a server contro	l action. Are you	sure you	want to
				Yes	No
确定后	,服务器就重启了				
我们这	时再回到刚刚打开的	web Console 界面	,因为自己本地	且电脑的链	建盘某些巧
很好地	在 web 界面上使用,	所以要借助 web	console 自带的	J键盘,,	点击 web

"keyboard",弹出屏幕键盘

		Ch	nat		(eybo	ard		Scree	en Ca	pture		R	efresh		Full Scree	en (Virtual Me
Eng	lis	sh														eipii	Abouk
ESC	:	F1	F2	F3	F4	F5	F6	F7	F8	F9	F1	0	F11	F12	Num	1	*
•	1	2	3	4	5	6	7	8	9	0	-	=	Bł	csp	Home		Pg Up
Таb		q	W	e	r	t	у	u	i	0	p][]]	$\left[\right]$	•		►
Сар	5	a	s	d	f	g	h	j	k	1	;	•	Ent	er	End	T	Pg Dowr
shi	ft	d	z	x	c	v	b	n	m	,	.	1	Shi	ft	Ins	Del	Enter
Ctr	1	V	vin	A	lt	1					A	lt	Ct	r1			

									Chat	K	eyboard		Scre	en C	aptur	e	Re	fresh		Full	s
CentOS	-7-x86_64-	Minimal-200	03.iso is m	apped to	CD/DVD	drive.(I	Read On	ly)													
V								Powe	rEdge	R730)										
								BIOS	Versio	n: 2.3	.4										
								IDRA(CIP: .												
											2										
											Engli	sh									
											ESC	F1	F2	F3	F4	F5	F6	F7	F8	F9	1
											1	. 2	3	4	5	6	7	8	9	0	1
											Тар	q	W	e	r	t	y	u	i	0	F
											Caps	a	s	d	f	a	h	i	k	1	
业肥	夕盟舌	白叶	治生主	口上点	今田日	≢ ਨਹਾਂ	$\overline{\mathbf{x}} \mathbf{\Delta}$	を日	毛汁	十	- h		مام	E H	に台	七王	조미 :	ま亡	t 6/4	<u>م ب</u>	⊬
当 版:	分奋里	口門	,此作	王下语	目埋え	が囬	小云	断开,	找们」	1I. WO	en c	ons	oie	里,	心月	匕泪	判	も たっしょう しんしょう しんしょ しんしょ	1 口力	王犬	ī
程,]	可操作	bios	设置	界面,	在	目标	服务	器重启	时,	使用)	屏幕钩	建盘	按	下	F11	讲	行月	言武	1项	设置	1



出现上图的情况时,按下 F11 就行了,确保这一行被选中,选中后是蓝色的背景就不用管了,一直等,出现下图界面也不用管,一直等它进入 boot 管理界面



Boot Manager		
3oot Manager		
3oot Manager Main Menu		
Continue Normal Boot		
One-shot BIOS Boot Menu		
Launch System Setup		
Launch Lifecycle Controller		
System I Itilities		

如上图,已经进入 boot 设置界面,再用屏幕键盘,点击上下箭头选中"One-shot Bios Boot Menu",回车

loot Manager	
oot Menu	
elect Legacy Boot Option	
* [Hard drive] Integrated F	RAID Controller 1: PERC H730P Mini(bus 03 dev 00
* [Hard drive] Integrated F * Embedded SATA Port (RAID Controller 1: PERC H730P Mini(bus 03 dev 00 Optical Drive J: HL-DT-ST DVD+/-RW GTA0N
* [Hard drive] Integrated F * Embedded SATA Port C * Integrated NIC 1 Port 1 F	RAID Controller 1: PERC H730P Mini(bus 03 dev 00 Optical Drive J: HL-DT-ST DVD+/-RW GTA0N Partition 1: BRCM MBA Slot 0100 v20.2.0

最终就来到了上图的启动项设置界面,最下面那个"Virtual Optical Drive"就是我们映射的 虚拟光盘,直接按下箭头选中它,回车,即从虚拟光盘启动

No Signal

启动后,web console 界面会有几次 no signal,正常现象,启动时不要按任何按键,一直等, 直到出现安装光盘里的安装系统菜单界面,如下图,说明已经从虚拟光盘启动了



我们按上箭头选择"Install Centos 7"回车,然后等 3 分钟左右,因为要通过网络加载安装 源文件,速度可能有点慢

E	Θ	.00	00000] [Firmware Bug]: TSC_DEADLINE disabled due to Errata; ple	ease	upd	at		
e	micr	occ	ode to version: 0x3a (or later)					
Ľ	5	.99	938211 i8042: No controller found					
E	9	.30	00521] dracut-pre-udev[508]: modprobe: ERROR: could not insert	'flo	oppy	' :		
ľ	lo su	ch	device					
Ľ	OK]	Started Device-Mapper Multipath Device Controller.					
			Starting Open-iSCSI					
C	OK]	Started Show Plymouth Boot Screen.					
Ľ	OK]	Started Forward Password Requests to Plymouth Directory Watch.					
E	OK	1	Reached target Paths.					
Ľ	OK]	Reached target Basic System.					
Ľ	OK]	Started Open-iSCSI.					
			Starting dracut initqueue hook	Engl	ish			
				ESC	F1	F2	F3	F
					1	1	1	-

The second second	200960	1222202			_	_	_	-
Esc	: 1	=1	F	2	F	3	F4	1
•	1		2	3		4	Τ	5
Тał		q		w	T	e] r	112
Cap	os	a	ι	s		d	1	F
shi	ift		z		x		с	
Ctr	•1	T	wi	n		A	lt	1
-			-	_		-		-



安装 centos7 的全过程就不讲了,一定要记得把网络打开,因为不开网络的话,还得在 web console 里登录系统再做配置,太麻烦了,直接配置网络,就可以用 ssh 远程登录了。

NETWORK & HOST NAME		CENTOS 7 INSTALLATION
Ethernet (em1, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Chernet (em3, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Chernet (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Provide Structure (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Chernet (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC	Ethernet (em2) Connecting Hardware Address 18:66:DA:F4:01:C9 Speed 1000 Mb/s	English Esc F1 F2 F3 F4 F5 F6 F7 F8 F1 1 2 3 4 5 6 7 8 9 C Tab q w e r t y u i o Caps a s d f g h j k 1 Shift z x c v b n m , Ctr1 win Alt
+ -		Configure
Host name: localhost.localdomain Apply		Current host name: localhost

打开网络开关后,若能自动获得 ip 则说明内网里有 dhcp 服务器,如果没获得,则可能没有 dhcp,要手动去设置

one			TR.	ľ		🖽 us
 Ethernet (en Broadcom Inc. a) 	n1_upplugged)		Editing em	2		
Ethernet (Broadcom Inc. a	Connection name: em2					
Ethernet (Broadcom Inc. a	General Etherne	t 802.1X Security	DCB	Proxy	IPv4 Settings	IPv6 Settings
 Ethernet (Broadcom Inc. a 	Method: Manual					•
	Addresses					
	Address	Netmask		Gatewa	ау	Add
	10.18.195.20	24		10.18.19	95.254	Delete
						Delete
	DNS servers: 10	0.18.195.200				
	Search domains:					
	DHCP client ID:					
		for all the second second				
	Require IPV4 addr	essing for this connection	to complet	le		Routes
+ -					Car	cel Save
11 11				🖽 us		Help!
	Ethernet /	2)				
	Disconnecto	emz)				OFF
<i>C</i>		.01.00				
lardware Ad	dress 18:66:DA:F4	:01:C9				
S	peed 1000 Mb/s					N
						×-

手动设置完成后,回到配置网络的主界面,结果刚刚打开的"开关"被关上了,得再手动打 开一次

NETWORK & HOST NAME		CENTOS 7 INSTALLA
Ethernet (em1, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Ethernet (em2) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC	Ethernet (em2) Connected	ON
Ethernet (em3, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Ethernet (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC	Speed 1000 Mb/s IP Address 10.18.1 0 Subnet Mask 255.255.255.0 Default Route 10.18.2 10 DNS 10.18.4 10	

可见,已经成功了

安装完系统后,点击重启

CONFIGURAT	ION		CENTOS 7 INST	ALLATION
			🖽 us	Help!
USER SE	TINGS			
C=	ROOT PASSWORD Root password is set	USER CE No user v	REATION will be created	
Complete!	¥		English Esc F1 F2 F3 F4 F5 ` 1 2 3 4 5 6 Tab q w e r t Caps a s d f g shift z x c v b Ctrl win Alt	F6 F7 F8 F9 7 8 9 0 y u i o h j k 1 o n m ,
		CentOS is now succe	ssfully installed and ready for Go ahead and reboot to st	you to use! art using it! Reboot
[OK] [OK] [OK] [OK] [***]	Unmounted /mnt/sysimage. Reached target Unmount All File Stopped target Local File Syste Stopped Create Static Device No Stopped Remount Root and Kernel A start job is running for Rest	systems. ms (Pre). des in /dev. File Systems. core /run/initr	amfs (43s ≠ no 1	imit)

L	UK	1	Unmounted /mnt/sysimage.
I	OK]	Reached target Unmount All Filesystems.
I	OK]	Stopped target Local File Systems (Pre).
E	OK]	Stopped Create Static Device Nodes in /dev.
E	OK]	Stopped Remount Root and Kernel File Systems
L	OK]	Started Restore /run/initramfs.
E	OK	1	Reached target Shutdown.
dra	acut	Wa	rning: Killing all remaining processes
Rel	boot	ing	(·

直到出现上图的 Rebooting.才算是正式重启,因为刚刚设置的服务器的启动项是一次性的,这回再重启就不是从虚拟光盘启动了,而是之前默认的从硬盘启动,如果之前不是从硬盘启动,则需要进入 bios 界面重新设置一下。

本例中默认是从硬盘启动,所以在重启时我们不用管它了,

如不出意外,则可进入刚刚安装好的 centos7 系统。而且之前映射的虚拟光驱也没了,

Virtual Media is connected	
Chat Keyboard Screen Capture Refresh Full Screen Virtual Medi	Disconne
Devices Mapped: 0	
CentOS Linux (3.10.0-1127.e17.x86.64) 7 (Core)	
Cent Ω S Linux (A-rescue-e46bea03c473488e90fdc02913fe808d) 7 (Core)	
English	
ESC F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12	Num /
` 1 2 3 4 5 6 7 8 9 0 - ⊨ Bksp	Home 🔺
Tab q w e r t y u i o p [] \	•
Caps a s d f g h j k l ; ' Enter	End v
shift z x c v b n m , . / shift	Ins Del
Ctrl Win Alt Alt Ctrl	
Use the T and \downarrow keys to change the selection.	
Press 'e' to edit the selected item, or 'c' for a command prompt.	
The selected entry will be started automatically in 2s.	

在 web console 里出现上图则说明已经从服务器的硬盘启动,进入正式的操作系统了,可以先试着用 ssh 远程登录,如能登录,就可以断开 dell 的远程卡管理界面了。

作者: Cof-Lee 更新日期: 2020-11-24

②通过 Native 或 java 界面

有的远程卡管理程序可能比较旧,没有支持 html5 的功能,就是无法直接使用 Html 界面去 登录 console 界面,得使用浏览器的扩展功能,比如运行 java applets 程序,大多数的现代 浏览器已经不支持调用网页的某些程序脚本了,不过 ie 浏览器还支持,在 Internet 属性里勾 选允许 Java applests 等脚本程序的运行,如果不确定的,都设置成 enable

(使用 java 界面的前提是自己的电脑要安装 java jre 1.8 或以上版本)

tes to prompt for filter	r informatior	n using so	ripted windo
tion ous logon tic logon only in 1 tic logon with au ou restart your (Intranet zor rrent user p computer	ne ame and	nseeminrd >
high (default)		~	R <u>e</u> set
	tion ous logon tic logon only in 1 fic logon with a ou restart your high (default)	tion ous logon tic logon only in Intranet zor fic logon with current user p ou restart your computer high (default)	tion ous logon tic logon only in Intranet zone tic logon with current user name and i ou restart your computer high (default)

This site is not secure

This might mean that someone's trying to fool you or steal any info you send to the server. You should close this site immediately.

Close this tab

More information

Your PC doesn't trust this website's security certificate. The hostname in the website's security certificate differs from the website you are trying to visit.

Error Code: DLG_FLAGS_INVALID_CA DLG_FLAGS_SEC_CERT_CN_INVALID
So on to the webpage (not recommended)

再用 ie 浏览器登录远程卡, Https://x.x.x., 允许不安全连接, 因为远程卡使用的是自签名证 书

Name troller Firmware rare Version	2.21.21.21 N/A	
Your current security se	ttings put your computer at risk.	Fix settings for me Settings 🗙
Integrate Access	ed Dell Remote Controller 8 Enterprise	
System PowerEdge R730 root, Admin Cverview Server -Logs -Power / Thermal Virtual Console	Console Virtual Console Options: > Launch Virtual Console	
Alerts	Virtual Console	
Troubleshooting	Attribute	Value
Licenses	Enabled	
iDRAC Settings	Max Sessions	6 🗸
+ Hardware	Active Sessions	0
+ Storage	Remote Presence Port	5900
Host 00	Video Encryption Enabled	\checkmark
	Local Server Video Enabled	
	Plug-in Type	Native Java
	Default action upon session sharing request timeout	Deny access
	Automatia Pustam Laak	

登录远程卡管理界面后,在 Server 下面的 Virtual Console 把插件设置成 Native,点击右下角的 "Apply"应用

perties nmary	Attached Media vFlash Service Module Job Queue Details System Inventory	
/stem	Summary	
Server I	Health	Virtual Console Preview
	Batteries	> Settings
	Fans	> Refresh
	Intrusion	> Launch
V	Power Supplies	
	Removable Flash Media	
	Temperatures	
	Voltages	

再回到主界面,点击 Virtual Console Preview 右下的"Launch",启动 console 界面

		emet Explorer	
tps://10.	/activeXViewer.esp?ipAddr=1&kkvmPort=5900&vmPriv=true&title=idrac-3	www.wowerEdge R73(🛛 😵 Cert
			1
	This webpage wants to run the following add-on: 'Virtual KVM Remote Client' from 'Dell	>	×
	This webpage wants to run the following add-on: 'Virtual KVM Remote Client' from 'Dell Inc. (unverified publisher)'.	, , , , , , , , , , , , , , , , , , ,	×

会弹出一个小窗口,点击"Allow"允许运行

2	A website wants to open web content using this program on your computer
	This program does not have a valid digital signature that verifies its publisher. This program will open outside of <u>Protected mode</u> , putting your computer at risk. You should only run programs from publishers you trust.
	Name: Program Files\AvctViewerClient32.exe Publisher: Dell Inc.
	Do not show me the warning for this program again

点击 "allow" 如果顺利的话, 就进入了 console 界面;

如果 Native 不行,就换成 Java,在 Server 下面的 Virtual Console 把插件改成 Java,点击右下 角的"Apply"应用;再回到主界面,点击"Launch"



使用 Native/Java 程序的 console 界面和 html5 的差不多, 但还是有些区别, 先登录旧的系统, 查看系统信息,确认是要重装系统的目标设备



再点击 console 界面右上角的 Virtual Media→Connect Virtual Media 映射虚拟光盘

idrac-736QD92, PowerEdge R730, User: root, 4.4 fps

e View	Macros	Tools	Power	Next Boot	Virtual Media	Help
root@c	b2 ~]#				Create Ima	nge
root@c	b2 ~]#				Disconnec	t Virtual Media
					Map CD/DV	/D
					Map Remo	vable Disk

刚刚点击完 Connect Virtual Media 后,再点击一次 Virtual Media,点击 Map CD/DVD...

📓 Virtual Media - Map	CD/DVD		
Drive/Image File:		-	Browse
	Read-only		

点击"Browser"选择目标安装镜像.iso 文件

🎒 Virtual Media - Map	CD/DVD	
Drive/Image File:	CentOS-7-x86_64-Minimal-200	
	Read-only	
	Map Device Can	cel



🛓 idrac-736QD92, PowerEdge R730, User: root, 4.4 fps

ile	View	Ma	cros	Tools	Power	Next Boo	Virtual Media Help
r	otQc	bZ	~]#			✓ Normal	Boot
[ro	oot@c	bZ	~]#			PXE	
						BIOS S	etup
						Local F	loppy/Primary Removable Media
						Local C	:D/DVD
						Hard Di	isk Drive
						Virtual	Floppy
						Virtual	CD/DVD/ISO
						Local S	D Card

和 Html5 的 console 界面不太一样,这里可以直接设置成 从虚拟光盘启动(下次启动时) 点击 console 界面菜单栏的 "Next Boot" → "Virtual CD/DVD/ISO"



这个 console 界面可能有点小,可以直接用鼠标拖拽窗口的右下角进行放大

idrac-736QD92, PowerEdge R730, User: root, 2.2 fps

File	View	Macros	Tools	Power	Next Boot	Virtual Media	Help	
		(0	() ()					PowerEdge R730 BIOS Version: 1.5.4 iDRAC IP: 10.18.195.219 IPMI: Boot to Virtual CD Requested



选择安装 centos7 之后,要等几分钟,网络传输文件比较慢

	idrac, Pi	owerEdge	R730, L	lser: root,	7.600 fps		
m10-	10	14	T	0	Alex Dent	West Marken	



安装具体过程就省略了,主要是要设置网络

NETWORK & HOST NAME		CENTOS 7 INSTALLATION
Ethernet (em1) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Froadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em3, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplugged) Broadcom Inc. and subsidiaries NetXtreme BCM5720 2-port Gigabit Ethernet PC Content (em4, unplu	Ethernet (em1) Connected Hardware Address 14:18:77:38:76:D9 Speed 100 Mb/s IP Address 10.1	Configure
Host name: localhost.localdomain Apply MANUAL PARTITIONING Done		Current host name: localhost
✓ New CentOS 7 Installation		centos-root
SYSTEM /boot sda2 BIOS Boot	1024 MiB	Mount Point:
sdal	2020 CIP	2220 GiB
centos-root swap centos-swap	4096 MiB	Device Type:

还有一点就是,如果启动模式为传统 BIOS,而磁盘使用 GPT 分区表的话,得新建一个 BIOS Boot 分区,大小为 1MB,对,就是 1024KB,目的是使 GPT 磁盘也能在 bios 启动模式下启动。

idrac, PowerEdge R730, User: root, 1.200 fps		
File View Macros Tools Power Next Boot Virtual Media H	leip	
PXE BIOS Setup Local Floppy/Primary Res CentOS Virtual Floppy	movable Media	CENTOS 7 INSTALLATION
Virtual CD/DVD/ISO Local SD Card Lifecycle Controller BIOS Boot Manager	NORD d is set	USER CREATION No user will be created
Complete!		
		CentOS is now successfully installed and ready for you to use! Go ahead and reboot to start using it!
		Reboot

安装完成后,点击重启就行了,因为安装系统时,Next Boot 这里已经恢复从原来的默认启动顺序了,

还有,**重启之后再断开**虚拟光盘介质的连接,因为点击"Reboot"这个按钮,是要调用 anaconda 程序的,而这个安装向导程序的某些组件还在虚拟光盘上;如果弹出光盘后再点击重启,会导致重启按钮失效

idrac-736QD92, PowerEdge R730, User: root, 6.6 fps

CentO	COL COL Create Ima Disconnec ✓ CentOS-7- Map Remo	rge t Virtual Media x86_64-Minimal-2003.iso Mapped to CD/DVD vable Disk TINGS
Provide the set of	napped drive(s). irtual Media session will un ended to perform a safe eje to close the Virtual Media s Yes	map these drives. act of the drive on the target system first. dession?

作者在安装完成后,就试了一下先断开虚拟 dvd,再点击 Reboot,结果等了很久也没反应 差点儿就慌了,不过不要紧,还有补救措施,那就是直接重启设备





在虚拟控制台上点击 "Power" → "Power Cycle System (cold boot)"

Power Control	×	
You are about to exec Are you sure you want	ute a server control action. t to continue? No	
点击确认后,系统终于重启了	· ,	
I idrac, PowerEdge R730, User: root, 1.900 fps		
he view Macros loos Power Next Boot Virtual Media H	PowerEdge R730 BIOS Version: 1.3.6 iDRACIP:	
line in the second s	nitializing PCle, USB, and Video	



这时,可以不在 console 里登录它,

🧬 root@localhost:~



_

使用 ssh 远程登录,

正常情况下是应该重启进入系统后,再断开虚拟 dvd 介质,确定能 ssh 远程登录后,就断开 java 页面,退出远程管理界面。

更新日期: 2020-11-24