

浪潮云海 InCloud Sphere 4.0

旗舰版安装配置指南

(单机版)

浪潮(北京)电子信息产业有限公司

Inspur (Beijing) Electronic Information Industry Co., Ltd



目录

-,	配置 RAID	2
Ξ,	安装 InCloud Sphere	10
Ξ、	配置网络	11
四、	安装 iCenter	14



一、配置 RAID

首先:服务器开机后配置 RAID:

1、启动主机,当屏幕上出现以下文字时按住<Ctrl>和<H>键

rw pac. Batteri	kage∶ 23 y Status	Not pres	ent		
PCI SL	OT ID LU	N VENDOR	PRODUCT	REVISION	CAPACITY
3		LSI	LSI MegaRAID SAS 9271-8i	3.190.15-1686	1024MB
3	16 0	ATA	WDC WD5000AAKX-2	1H17	476940MB
บั ว	17 0		WUC WU5000HHKX-2	1117	476940NB
2	то 0 19 и	ATA	WDC WD5000AAXX-2 WDC WD5000AAXX-2	1817	476940MB
9 Virt	ual Driv	e(s) found	on the host adapter.		11051011
0 Virt	ual Driv	e(s) handl	ed by BIOS		
Press	<ctrl><h< td=""><td>> for WebB</td><td>IOS or press <ctrl><y> for</y></ctrl></td><td>Preboot CLI</td><td></td></h<></ctrl>	> for WebB	IOS or press <ctrl><y> for</y></ctrl>	Preboot CLI	

点击"Start"继续,WebBIOS 主界面将会出现



adapter Selectio	on			LSI\$,
Adapter No.	Bus No.	Device No.	Туре	Firmware Pkg. Version
0. 💿	4	0	LSI MegaRAID SAS 9271-8i	23-7-0-0031
			[Start]	

WebBIOS 界面,选择适配器,进入配置向导

RegaRAID BIOS Config Utility Ph	ysical Configuration	LSI
 Advanced Software Options Controller Selection Controller Properties Scan Devices Virtual Drives Drives Configuration Wizard Logical View Events 	Physical View Slot: 0, SATA, HDD, 465-250 GB, Unconfigured Good Slot: 1, SATA, HDD, 465-250 GB, Unconfigured Good Slot: 3, SATA, HDD, 465-250 GB, Unconfigured Good Slot: 3, SATA, HDD, 465-250 GB, Unconfigured Good	

保留当前的存储配置并添加进去一个新的设备



RegaRAID BIOS Config Utility Configuration Wizard					
		C)I∕ _a ∿			
Configurations system easil	Configuration Wizard guides you through the steps for configuring the MegaRAID system easily and efficiently. The steps are as follows:				
1. Drive Group	definitions	Group drives into Drive Groups.			
2. Virtual Drive definitions Define virtual drives using those drive groups.					
3. Configuration Preview Preview configuration before it is saved.					
Please choose	e appropriate o	configuration type:			
C Clear Cor	nfiguration	Allows you to clear existing configuration only.			
C New Conf	iguration	Clears the existing configuration. If you have any existing data			
		in the earlier defined drives, the data will be lost.			
🙃 Add Conf	iguration	Retains the old configuration and then adds new drives to the			
		configuration. This is the safest operation			
		as it does not result in any data loss.			
		🗙 Cancel 🛛 🗤 Next			

diega (RAID BIOS Config Utility Co	onfiguration Wizard			LSI💸
Sele	ect Configuration Method :				
•	Manual Configuration				
	Manually create drive gr	oups and virtual driv	res and set their	parameters as de	esired.
0	Automatic Configuration				
	Automatically create the	e most efficient confi	guration.		
	<u>R</u> edundancy:	Redundancy when pos	ssible	T	
			🗙 <u>C</u> ancel	4 m <u>B</u> ack (Next

当选择自定义配置





选择物理硬盘创建磁盘阵列,下图示意四块磁盘









将刚才创建好的磁盘组加入到右侧方框内

RegaRAID BIOS Config Utility	Config Wizard - Sj	an Definition
Span Definition:	To add array hole drop-down.Click o span.Array Hole a Reclaim button.	to a Span, select an array hole from the n Add To Span. Array hole will be added to the ddition can be undone by selecting the
Array With Free S	расе	<u>S</u> pan
Drive Group:0,Hole:0,R0, R	, R5, R6,1-817 T ▼	
🔄 💁 🚣 dd to SP.	AN	1 Reclaim
		X Cancel ≰ ⊪ <u>B</u> ack ⊪ ≱ <u>N</u> ext

下一步



Array With Free Spac			
	e	Span	
	<u> </u>		
🔄 🛕 📩 🛓 🛓 🛓		🔒 <u>R</u> eclaim	
		🗙 Cancel 🛛 🛶 Back	📫 Next

Raid level 选择 raid1 (下图红框位置)

RiegaRAID BIOS Co	onfig Utility Config Wizard	- Virtual Drive Definition
RA <u>ID</u> Level	RAID 1	<u>V</u> irtual Drives
<u>S</u> trip Size	256 KB 🔻	
Access Policy	RU	
Read <u>P</u> olicy	Always Read Ahead	
⊎rite Policy	Write Through	
I <u>O</u> Policy	Direct 💌	
Drive Cache	Unchanged 🔻	Next LD, Possible RAID Levels R0:930-500 GB R1:465-250 GB
Disable B <u>G</u> I	No	
Select Size	GB 🔻	Update Size
	🖡 Accept	Reclaim
		🗙 Cancel 🚺 Back 🕪 Mext

默认大小下一步



MegaRAID BIOS Co	mfig Utility Config Wizard	- Virtual Drive Definition
RAID Level	RAID1	<u>V</u> irtual Drives
<u>S</u> trip Size	256 KB 🔻	
Access Policy	RW	
Read <u>P</u> olicy	Always Read Ahead	
<u>Write Policy</u>	Write Through	
IQ Policy	Direct 🔻	
Drive Cache	Unchanged 🔻	Next LD, Possible RAID Levels
Disable B <u>G</u> I	No 🔻	
Select Si <u>z</u> e	465-250 GB 🔻	Update Size
	🖡 Accept	<u>R</u> eclaim
		🗙 Cancel 🛛 📢 Back 🕪 Mext

是否选择直写模式, Yes

RegaRAID BIOS Config Utility Confirm Page	 LSI > ;<
Write Through mode eliminates risk of losing cached data in case of power failur. But it may result in slower performance.	e.
Are you sure you want to select Write Through mode?	

提示虚拟驱动器所有数据将丢失,选择 yes



degaRAID B	IOS Config Utility Confirm Page	LSI
	All data on the new Virtual Drives will be lost. Want to Initialize? <u>No</u> <u>Yes</u>	

初始化,待进度条到100%完成

WegaRAID BIOS Config Utility Virtual Drives The set of t	LSI>%
Select Progress Operation VD0 0% Progress	Virtual Drives: VDO: RAIDI: 465.250 GB: Initializ Fast Initialize Slow Initialize Check Consistency Properties Set Boot Drive (current= NONE) Go Reset
Lome	en Back

Raid1 创建完毕,选择 Exit。





二、安装 InCloud Sphere

Raid 配置完成后,您就可以进入到虚拟化的安装向导内。很简单,按一下 F7,接下来安装

将自动执行, 大约10分钟以后进入下个阶段。





当您看到这个画面的时候,说明U盘已成功引导系统进入虚拟化安装流程:



稍等一会会出现下面的界面:





选择 Proceed 然后点击回车,安装程序将自动运行。

三、配置网络

当您看到这个画面的时候:

InCloud Sphere 4.0 16:0	9:36 root@InCloudSphere-C
Config	uration —
Customize System	Network and Management Interface
Status Display Network and Management Interface Authentication Virtual Machines Disks and Storage Repositories Resource Pool Configuration Hardware and BIOS Information Keyboard and Timezone Remote Service Configuration Backup, Restore and Update Technical Support Reboot or Shutdown Local Command Shell Quit	Press (Enter) to configure the management network connection, hostname, and network time (NTP) settings. Current Management Interface Device MAC Address DHCP/Static IP IP address Netmask Gateway Hostname NTP
<enter> OK <up down=""> Select</up></enter>	F5> Refresh

说明您的服务器虚拟化已经装好了,接下来需要配置网络,如上图白框,然后:



InCloud Sphere 4.0	16:11:41 root@InCloudSphere-C
Co	onfiguration —
Network and Management Interface	Configure Management Interface
Configure Management Interface Display DNS Servers Network Time (NTP) Test Network Display NICs Emergency Network Reset Open vSwitch	Device MAC Address DHCP/Static IP IP address Netmask Gateway Hostname
	NIC Vendor
	Intel Corporation
	NIC Model
	1350 Gigabit Network Connection
<pre><esc left=""> Back <up down=""> Select</up></esc></pre>	<pre><enter> Reconfigure <f5> Refresh</f5></enter></pre>

选择您的第一块物理网卡,一般情况下都是这块:

loud Sp	here	4.0			16	:12	:45	x	root@InCloudSph
					Conf	igur	ration —		
		2					1. 1211		
twork	and P	lanag	remer	nt Inter	face		Configure	Hanagement	t Interface
				Manager	ent Inte	rfac	e Config	uration —	
Salaat	NIC	Com	Massa	monant	Interfac				
aciect	mic	TUP	nane	generic	Interiat	E.			
hond0:	Uirf	tua 1	PIF	within	ulan30-i	nsni	ur-Olui0h	Za5GmibBCD8	Ball (not connec
hond0:	Uirt	ual	PIF	within	17 00 × 7	213	I (not co	mected)	
eth0:	1350	Giga	bit	Network	< Connect	ion	(connect	ed)	
eth0:	1350	Giga	bit	Network	< Connect	ion	(connect	ed)	
eth0:	1350	Giga	whit	Network	c Connect	ion	Connect	ed)	
eth0:	1350	Giga	ubit	Network	k Connect	ion	(connect	ed)	
eth0:	1350	Giga	bit	Network	< Connect	ion	(connect	ed)	
eth0:	1350	Giga	bit	Network	< Connect	ion	(connect	ed)	
eth1:	1350	Giga	ubit	Network	< Connect	ion	(connect	ed)	
eth1:	1350	Giga	bit	Network	< Connect	ion	(connect	ed)	
<enter< td=""><td>> OK</td><td><esc< td=""><td>> Ca</td><td>incel</td><td></td><td></td><td></td><td></td><td></td></esc<></td></enter<>	> OK	<esc< td=""><td>> Ca</td><td>incel</td><td></td><td></td><td></td><td></td><td></td></esc<>	> Ca	incel					
							<u></u>	1000	NERROW AND
isc/Lef	t> Ba	ick ((Up∕I	Jown> Se	elect		(Enter> R	econfigure	<f5> Kefresh</f5>

我们建议您为每个节点配置用静态 IP:

Select DHCP or static IP address configuration
DHCP DHCP with Manually Assigned Hostname <mark>Static</mark>
<enter> OK <esc> Cancel</esc></enter>



配置您所需的 IP 地址、网关、掩码和主机名:



回车键,确认

InCloud Spher		23:4 —— Config	5:44 root@localh uration ————————————————————————————————————	ost.localdomain
Network and	Management Inte	rface	Configure Management Int	erface
Configure Display DN Network Ti Test Netwo Display NI Emergency Open vSwit	Manage Press (Enter) to Device Name IP Mode IP Address Netmask Gateway Hostname (Enter) OK (Esc	ment Interf o apply the eth0 I350 Giga Static 192.168.1 255.255.2 192.168.1 localhost > Cancel	ace Configuration following configuration bit Network Connection 10 .55.0 1 localdomain	d:4b:f6 localdomai
<esc left=""></esc>	Back <up down=""></up> S	elect	1350 Gigabit Network Com (Enter) Reconfigure (F5)	nection Refresh

四、安装 iCenter

配置完毕之后就可以下载 iCenter 添加和管理节点了,请在这里下载 iCenter:

http://www.inspur.com/eportal/ui?pageId=2252797



🔿 In(Cloud Sphere 4.0 旗舰版	
\bigcirc	安装包下载	
	InCloud Sphere 4.0 旗舰版 iNode 下载	
[InCloud Sphere 4.0 旗舰版 iCenter 下载	

windows 的笔记本安装,点下面的界面中的红框添加节点:

	🤤 iCenter	
	文件(F) 查看(V) 池(P) 服务器(S)	VM(M) 存储(O) 模板(D) 工具(L) 帮助(H)
I	😋 后退 🖌 💿 前进 🕤 📑 添加新服	务器 🏭 新建池 🐚 新建存储 间 新建 VM 🔘 关闭 🛞 重新启动 🕕 挂起
I	搜索	🧑 iCenter
	□ 🎧 <mark>iCenter</mark>	主页 搜索
I	🗷 🏰 InCloudSphere_Pool	
I		Inspur InCloud Sphere
		如需帮助: http://www.inspur.com/lcjtww/443018/2252797/index.html

输入您刚才设置的 IP 地址, 第一个节点就添加完毕了, 其他节点以此类推。

💜 iCenter	- 🗆 ×
文件(F) 查看(V) 池(P) 服务器(S)	VM(M) 存储(O) 模板(T) 工具(L) 帮助(H)
◎ 后退 - ◎ 前进 - 🞝 添加新服务	5器 🛛 🏪 新建池 🖮 新建存储 📷 新建 VM 🛛 🎯 关闭 🛞 重新启动 🕕 挂起
度素	🤄 iCenter
JEEN- ▲ ● Edutation ● ● Table ● ● Table ● ● Table ● ● Address ● ● Address ● ● Address ● ● Address ●	tetter to set in the

点击左侧宿主机,已经加入到了 iCenter



◎ 肩退 ・ ◎ 前进 ・ □ □ 添加納級3		英国自八、日	
 ☆ iCenter Icealhost local domain I DVD 驱动器 I DVD 驱动器 I DVD 驱动器 I DVD 驱动器 I DV和助动器 I DV和助动器 I DV和助动器 I 印称动存储 I 目标动存储 I 目标动存标 I 目标 I 目标 I 目标 I 目标 I 目标 I 目标 I 目标	常規 内存 存储 网络连接 NIC 控制台 性能 用户 搜索 服务<指常規	全部展开	
基础结构	管理接口		
对象 组织视图 •	内存		🛞

感谢您使用浪潮虚拟化,如有疑问请邮件至 incloud@inspur.com ,我们将会第一时间解答

您的问题。