#### 1 检查系统硬件配置

#### 1.1 初始化 CMM

第一次登录 CMM 时,会自动进入初始化界面。



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	Import Existing Configuration		
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#### 1.2 检查系统硬件配置

登录 CMM,选择"Chassis Management">"Hardware Topology"

### 2 Green Light Check

检查硬件状态,各部分的 Firmware 等。

### 3 网络信息检查

检查各 CMM, FSM, 计算节点, SAN 交换机, V7000 等 IP 信息。

### 4 存储配置

#### 4.1 检查 SAN 交换机配置

登录 SAN 交换机,查看各计算节点的 WWN 是否已经被识别, zone 信息是否正确。

#### 4.2 V7000 存储初始化

使用默认 IP 登录 V7000

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	Configure Support Notifications (Step 4 of 6)		
	To ensure your system continues to run smoothly you can enable email event notifications.		
	Email event notifications send messages about error, warning, or informational events and inventory reports to an email address of local or remote support personnel. Ensure that all the information is valid, otherwise email notification will be disabled. Configure Email Event Instifications		
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# 注意: DO NOT CHECK THE "AUTOMATICALLY CONFIGURE INTERNAL STORAGE NOW" CHECK BOX UNDER ANY CIRCUMSTANCES.

Checking the "Automatically Configure Internal Storage Now" box will wipe out any storage preconfiguration done at the factory and cause you to re-configure and re-load it manually.

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	Configure Storage (Step 6 of 6)	
	Would you like to automatically configure internal storage now?	
	Yes, automatically configure internal storage now.	
	Storage Found:	
	(0 drives) 558.4 GB, SAS, 10000 rpm, io_grp0 (2 drives) 185.8 GB, SSD, io_grp0	
	Configuration Summary:	
	0 x Basic RAID-5 (558.4 GB, SAS, 10000 rpm, io_grp0): There are not enough drives to satisfy the target number of drives	
	that is needed for the configuration.	
	1 x SSD RAID-1 (185.8 G8, SSD, io_grp0):	
	0 Hot Spares	
	0 Unconfigured Drives	
	End	0
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		(mm)
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#### 4.3 添加 V7000 作为 FSM 的受管节点

#### 该步需要在 FSM 初始化完成之后执行。

```
登录 FSM CLI 界面,执行如下命令:
smcli manageV7000 [-u | userid admin_user_name] [-p | -password
admin_password] [- i | -ipaddress V7000_ip_address]
```

Error: Invalid command or invalid bundle and command combination.	*
Please run "smcli lsbundle" to get a list of valid commands.	
USERID@FSM-5CF3FC5F758D:~> smcli manageV7000 -u superuser -p passw0rd -i 192.168.93.213	
USERID@FSM-5CF3FC5F758D:~> smcli manageV7000 -u superuser -p passw0rd -i fd8c:215d:178e:c0de:e61f:13ff:fe76	6
:85ed	
USERID@FSM-5CF3FC5F758D:~> smcli manageV7000 -u superuser -p passw0rd -i fd8c:215d:178e:c0de:e61f:13ff:fe76	5
USERID@FSM-5CF3FC5F758D:~> smcli manageV7000 -u superuser -p passw0rd -i fd8c:215d:178e:c0de:e61f:13ff:fe76	5
Generating SSH keys for admin using command: su USERID -c "ssh-keygen -t rsa -N '' -f /home/USERID/.ssh/id_	
n	
SSH public key for admin was generated successfully	
Pushing SSH public key for admin to V7000 using command: su superuser -c "scp -o StrictHostKeyChecking=no -	
8e:c0de:e61f:13ff:fe76:85ed\]:/tmp/id_rsaV7000.pub "	
SSH public key for admin was pushed to the V/000 successfully	
logiand CSU multip key file to odmin	
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Teene mkdataenurne command: /ner/amrahin/amrli mkdataenurne _c euc _f /home/IISEDID/ esh/id reaV7000 _u V	
s	
mkdatasource was successful	
Collect inventory of Farm resource.	
V7000 with management address: fd8c:215d:178e:c0de:e61f:13ff:fe76:85ed was managed succesfully.	
IUSERID@FSM-SCF3FC5F758D:~>	-

# 5 FSM 初始化配置

通过 CMM 登录 FSM。

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	node02	Normal	On	2	789522X	
	node03	Normat Revenue	On	3	785310X	
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Setup wizard	
Welcome     Date and Time     Password     Network Topology     LAH Adapters     Host and Gateway     Advanced Routing     DNS     Summary	Welcome         Use this wizard to complete the following set up tasks to install and configure the system:         Setup Prerequisites         Date and Time         Set the system (well User ID and password         Configure Local Area Network (LAN) adapters         Configure Domain Name System (DNS)

Date and Time Password     Set the date and time and select the correct time zone for the system, if necessary.       Password     Date: IPID2812       LAN Adapters     IPID2812       Hots and Gateway     Time: IPID2812       Advanced Routing     Time: IPID2812       DNS     Time: IPID2812       Summary     Automatically adjust clock for Daylight Saving Time (DST)       Network Time Protocol (NTP) Server     Specify an NTP server to automatically synchronize the system clock periodically. Time server hastname or P address: IPID Use NIP authentication       Key type: M - MDS     Key: Ippe: M - MDS       Key type: M - MDS     Key.       Learn more about a network time protocol server	Date and Time       Set the date and time and select the correct time zone for the system, if necessary.         Password       Date:         Password       Date:         UAN Adapters       IF12/2012         Host and dateway       Time:         Advanced Routing       Date:         DNS       Time zone:         Summary       Clastomatically adjust clock for Daylight Saving Time (DST)         Network Time Protocol (NTP) Server       Specify an NTP server to automatically synchronize the system clock periodically.         Time some instanting or IP address:       If Y version measure to automatically synchronize the system clock periodically.         Time some instanting or IP address:       If Y version measure to automatically synchronize the system clock periodically.         Time some instanting or IP address:       If Y version measure to automatically synchronize the system clock periodically.         Time some instanting or IP address:       If Y version measure to automatication         Key type:       MDS         Key type:       MDS         Key type:       Learn more about a network time protocol server	Welcome	Date and Time	
Key: Learn more about a network time protocol server	Key: Learn more about a network time protocol server	Welcome Date and Time Password Natwork Topology LUN Adapters Host and Gateway Advanced Routing DNS Summary	Date and time         Set the date and time and select the correct time zone for the system, if necessary.         Date:         INTO:         INTO: <td></td>	
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<ul> <li>Leteware</li> <li>Date and Time</li> <li>Date and Time</li> <li>Date and Time</li> <li>Date and Time</li> <li>Date showing</li> <li>LNA Adapters</li> <li>Host and Gateway</li> <li>Advanced Routing</li> <li>DNS</li> <li>Summary</li> </ul>	System-Level User ID and Password Enter a user ID and password for the system-level access user. The default user ID is USERID; which matches the CMM user ID. This password will be applied to all local administrative accounts, including 'pe' (product engineer) and 'root'. Password quality rules. "User ID:



配置 eth0 的 IP

	Config	gure Loc	al Area Network (LAI	N) Adapters		
Date and Time Password	Config	jure a LAN	l adapter for network ac	cess to the system.		
Network Topology	Select th	Adapter	Description	IP address	Configured this session	
		eth0 SCF3FC	SF Management Network	192.168.70.201	No	
IP Address	0 1	eth1 5CF3FC	5F Data Network	0.0.0.0	No	
Host and Gateway						
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Welcome	Configure IP Address			
Date and Time Password Network Topology LAN Adapters Adapters Host and Gateway DNS Summary	Configure the IP addresses fo DHCP and is unable to get an are configuring both adapters on different subnets or the m LAN interface address: SC#3FCC#67 DHV4 address: Ottain an P address automatical @ Use the following IHV4 address: Static IP address: [102143/16/1911] Network mask: [1823/16/19/1911] Network mask: [1823/16/19/1911] Devis address: Otta DHCPv6 or Stateless Auto CC @ Use the following IHV4 address:	r the specified LAN ac IP address, the mana on the same networi anagement server mi siBD eth0 (Management h y minguration to configure IP	lapter. If the adapter is conf gement server will not start. and using DHCP, make sur pht not start. ietwork) settings	igured for Also, if you e they are
	Specify new static IPv6 address inform	nation and click Add:		
	Prefix length: 64	Ada		
	Configured static IPv6 addresses:			
	IPv6 address	Prefix length	Remove	
	fe80:0:0:0:5ef3:fcff:fe5f:758d	64	Barryaya .	
	<u>ت</u>		<u>.</u>	
			« Back Next »	Finish Cascel

配置 eth1 的 IP

Welcome	Configure IP Address				
Date and Time Password Network Topology LAN Adapters IP Address Host and Gateway	Configure the IP addresses for the specified LAN adapter. If the adapter is cont DHCP and is unable to get an IP address, the management server will not start, are configuring both adapters on the same network and using DHCP, make sur on different subnets or the management server might not start. LAN interface address: SCF3FCSF1753E eth1 (Data Network) [2][Pvi address:				
DNS Summary	O obtain an IP address automatically O Use the following IPv4 address: Static IP address: [1531.2.2				
	Network mask: 255 255 2				
	□IPv6 address:				
	Use DHCPv6 or Stateless Auto Configuration to configure IP settings				
	(1) the the following IDv8 address:				
	Specify new static IPv6 address information and click Add:				
	IDu6 address				
	Prefix length				
	Configured static IPu6 addresses:				
	IPv6 address Prefix length Remove				
	There is no data to display.				
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Walcome	Conf	ioure Loca	Area Network (LA	N) Adapters			
Date and Time	com	igure Loca		N/ Adapters			
Password	Configure a LAN adapter for network access to the system.						
Network Topology	work Topology Do you want to configure another LAN adapter?						
LAN Adapters	Select	the LAN adapte	er to configure and click Nex	α.			
IP Address	Who Office lumpt to configure another I Mindonter						
Host and Gateway	Sele	Adapter	Description	IP address	Configured this session	1	
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	Per	form network v	alidation when the wizard is	s complete. If errors are detected.	, you will be returned to t	the	
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Welcome Date and Time Password Network Topology LAN Adapters Most and Gateway DNS Summary	Outligure Host and Gateway         Specify host name information, verify the domain name for the host, and specify the domain name in a specify the domain name in the host is an a specify the domain name in the host is an a specify the domain name in the host is an a specify the domain name in the host is an a specify the domain name in the host is an a specify the domain name in the host is an a specify the domain name is a specify the domain name is a specify the domain name in the host is an a specify the domain name is a specify the domain name in the host is an a specify the domain name is a specify the domain nam

Welcome Date and Time Password Network Topology LAN Adapters Host and Gateway SDNS	Configure Domain Name System (DNS) Enable DNS services and configure the search order for DNS servers and domain suffixes. An incorrect DNS can prevent the management server from starting. See a list of services that require a working DNS.  [Enable DNS services DNS services DNS server search order:  [244]
summary	Domain suffix search order:
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Welcome	Summary	
Date and Time Password	Review the following settings, then clici	k Finish. To change any other settings, click Back.
Network Topology	Date and Time	
LAN Adapters	Date: 9/12/2012	
Host and Gateway	Time: 8:40:54 AM	
DNS	time zone: Asia/Beijing	
Summary	Time servers:	
	LAN Adapters	
	LAN interface address: IP address:	eth0 5CF3FC5F758D
	Static IPv6 address:	Prefix length
	fd8c:215d:178e:c0de:5ef3:fcff:fe5f:75	68d 64
	LAN interface address:	eth1 5CF3FC5F758E
	IP address:	10.91.0.2
	Network mask:	255.255.255.0
	Static IPv6 address:	Prefix length
	Host and Gateway	
	*Short name: FSM-SCF3FCSF758	D
	*Domain name: UFIDA	
	Default Gateway address: 10.91.0.1	*
	*Default Gateway device: eth1	
	*Host name IP address: 10.91.0.2	
	Configure Domain Name System (DNS)	
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System Se	etup Proce	essina			
this page shows pr	ocessing informa	ation for the Setup wi	zard. After the setup (	asks are completed, click Continue to proceed.	
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١	Setting password Host and Gateway	an Success B Success	9/12/12 8:41:12 AM 9/12/12 8:41:35 AM	9/12/12 8:41:35 AM 9/12/12 8:41:35 AM			
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M flex System Manager		

至此,初始化完成。

### 6 对 FSM 进行 collect inventory

通过 FSM 发现并管理所有节点信息。 使用配置在 FSM eth1 的 IP 登录。

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# 7 对 FSM 管理的设备进行 collect inventory

#### 对 Chassis 收集资产。

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发现 V7000 之后,再对 V7000 进行收集资产。使 FSM 识别 V7000 信息。

### 8 X 节点 VMware 虚拟化部署

- 在 X Node 安装 VMware 的步骤:
- 1、在 CMM 里找到 X Node,通过 IMM 登录,启动 Remote Control
- 2、重启该节点
- 3、重启的过程中按 F12,选 Boot Device
- 4、选择 USB1..Hypervisor., 让机器通过内置 USB 的 VMware 启动。
- 5、机器会自动安装 ESXi
- 可以从 V7000 划分 LUN 映射给所有 X 节点的 ESXi.