?? RedHat Linux for Power

???IBM Power System S822LC (8001-22C) for big data
?????RedHat 7.3 for POWER8 Little Endian (NOTE: ??????? Little Endian
????????????????????????:Quick Start Guide for installing Linux on IBM Power System LCservers)

?????

1. ???? Linux ??????????????????????????????????????
2. ?????????????????
   NOTE: ???? storcli ??????????????? Linux ????????
3. ????? Megaraid ??????????????? Raid?
   NOTE: ?? storcli ???? raid ???????: Resource already in use

?? RedHat Linux

> " NOTE: ???????? RedHat 7.2?????????????????????????

????????

????? USB ??????? RedHat ????

?????? > Petitboot

???????????? RedHat ???????

* Install Red Hat Enterprise Linux 7.3 (64-bit kernel)*

??????????? Enter ????????

> " TIP: ?????????????: Quick Start Guide for installing Linux on IBM Power System LCservers

?? Raid ??

???????? Raid Adapter????? RedHat ? Software Raird??????????? x86 ??????????????????

- RedHat for Power ??????????: BIOS > sda1: PPC PReP Boot > sda2: /boot (GRUB2) > sda3: /
- PPC PReP Boot ????????? Software Raid (??: ???????????????????????: ???????????
- /boot ? / ???? Software Raid
- ??????: ?? 5 ??? sda, sdb, sdc, sdd, sde
  1. sda1 = PPC PReP Boot (Power ??)
  2. sda2 = raid1 /boot (GRUB2 ??)
  3. sda3 = raid6 /
  4. sdb1 = PPC PReP Boot (Power ??)
  5. sdb2 = raid1 /boot (GRUB2 ??)
  6. sdb3 = raid6 /
  7. sdc1 = raid6 /
  8. sdd1 = raid6 /
  9. sde1 = raid6 /
     ???????????
- raid6 ? / ?? LVM ?????? VG ??? rhel?LV ??? rhel-<????>??? rhel-swap
- ?? raid level 6 ??size policy ???? As large as possible?

> **" TIP:**
>
> size policy:
> ?? Automatic - ? raid ? size ?????????????????? raid ??? PV ? VG ????????? 0 - 1 %?
> As large as possible - ? raid ? size ?? raid ?????????????? Raid Rebuild ??????????
>
> ??????
> ??? - ?????????????? prepboot(sda), prepboot(sdb), /boot, SWAP, /?
> ??? - ??????????? PPC PReP Boot ????????????(Anaconda)????????????????????????????????????? fdisk ???????????????
> ??? - ??????? prepboot ?????????????????????????????????????? Summary of Changes?
> ??? - ??????: boot loader stage2 device boot is on a multi-disk array but boot loader stage1 sevice sda1 is not ....?????????? Done ?????????? ?????????????????? ??????????? ????

??????

?? SELinux

```
sed -i 's/SELINUX=.*$/SELINUX=disabled/' /etc/selinux/config
setenforce 0
```

?????

```
systemctl stop firewalld.service
systemctl disable firewalld.service
```

??????

?? IPMI (BMC) ??

?????????? IPMI Network Port
?????? > Petitboot > Exit to Shell

```
ipmitool lan print 1
ipmitool lan set 1 ipsrc static
ipmitool lan set 1 ipaddr <ipmi-ip-address>
ipmitool lan set 1 netmask <ipmi-ip-netmask>
ipmitool lan set 1 defgw ipaddr <ipmi-ip-gateway>
ipmitool lan print 1
```

BMC ?????

> " http://ipmi-ip-address/ , ????: ADMIN / ADMIN
>   NOTE: ???????????????????
>
>   Java ??? 1.6.0.45 32-bit, Windows 7 64-bit?????? Java ???

IPMITools ????? ipmitool ? Desktop PC

Ubuntu

```
sudo apt-get update
sudo apt-get install ipmitool
```

? source ????

```
wget https://sourceforge.net/projects/ipmitool/files/latest/download

bzip2 -d ipmitool-1.8.15.tar.bz2

tar xvf ipmitool-1.8.15.tar

cd ipmitool-1.8.15

./configure
```

????

```
获取网卡上的 FRU 信息
ipmitool -I lanplus -H ipmi-ip-address -U ADMIN -P ADMIN fru
```

???????????

sdb	EMPTY	NVMe	EMPTY
sde	sdc	EMPTY	EMPTY
sda	sdd	EMPTY	NVMe