

# ?? 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 Raid????????????? 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
```

????

```
##### FRU []
ipmitool -I lanplus -H ipmi-ip-address -U ADMIN -P ADMIN fru
```

???????????

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