?????

- [??????????](#)
- [???????????](#)
- [????-StorCLI](#)

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- ???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 ????
https://sourceforge.net/projects/ipm...atest/download

```
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

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- https://openpowerblog.wordpress.com/
- [Installation Guide for the IBM® POWER Architecture](#)
- Docker on Power Linux
    - ? [Howto create a Docker Image for RHEL](#)
    - ? [Running Docker on PowerSystems using Ubuntu and Redhat ppc64le](#)
    - ? [Howto Setup a Docker Environment on PowerPC servers running RHEL7 LE](#)