

Linux 查看系统版本

参考：https://blog.csdn.net/zhuying_linux/article/details/6859286

一。查看内核版本命令：

```
1) [root@SOR_SYS ~]# cat /proc/version
Linux version 2.6.18-238.el5 (mockbuild@x86-012.build.bos.redhat.com) (gcc version 4.1.2 20080704 (Red Hat 4.1.2-50)) #1 SMP Sun
Dec 19 14:22:44 EST 2010
[root@SOR_SYS ~]#

2) [root@SOR_SYS ~]# uname -r
2.6.18-238.el5

3) [root@SOR_SYS ~]# uname -a
Linux SOR_SYS.99bill.com 2.6.18-238.el5 #1 SMP Sun Dec 19 14:22:44 EST 2010 x86_64 x86_64 x86_64 GNU/Linux
[root@SOR_SYS ~]#
```

二。查看linux版本：

1) 登录到服务器执行 `lsb_release -a` ,即可列出所有版本信息,例如：

```
[root@SOR_SYS ~]# lsb_release -a
LSB Version:      :core-4.0-amd64:core-4.0-ia32:core-4.0-noarch:graphics-4.0-amd64:graphics-4.0-ia32:graphics-4.0-noarch:printing-
4.0-amd64:printing-4.0-ia32:printing-4.0-noarch
Distributor ID:  RedHatEnterpriseAS
Description:     Red Hat Enterprise Linux AS release 4 (Nahant Update 4)
Release:         4
Codename:        NahantUpdate4
[root@SOR_SYS ~]#
```

注:这个命令适用于所有的linux, 包括Redhat、SuSE、Debian等发行版。

2) 登录到linux执行`cat /etc/issue`,例如如下：

```
[root@SOR_SYS ~]# cat /etc/issue
Red Hat Enterprise Linux Server release 5.6 (Tikanga)
Kernel \r on an \m

[root@SOR_SYS ~]#
```

3) 登录到linux执行`cat /etc/redhat-release` ,例如如下：

```
[root@SOR_SYS ~]# cat /etc/redhat-release
Red Hat Enterprise Linux AS release 4 (Nahant Update 4)
[root@SOR_SYS ~]#
```

注:这种方式下可以直接看到具体的版本号, 比如 AS4 Update 1

4) 登录到linux执行`rpm -q redhat-release` ,例如如下：

```
[root@SOR_SYS ~]# rpm -q redhat-release
redhat-release-5Server-5.6.0.3
[root@SOR_SYS ~]#
```

注:这种方式下可看到一个所谓的release号, 比如上边的例子是5

这个release号和实际的版本之间存在一定的对应关系，如下：

```
redhat-release-3AS-1 -> Redhat Enterprise Linux AS 3

redhat-release-3AS-7.4 -> Redhat Enterprise Linux AS 3 Update 4

redhat-release-4AS-2 -> Redhat Enterprise Linux AS 4

redhat-release-4AS-2.4 -> Redhat Enterprise Linux AS 4 Update 1

redhat-release-4AS-3 -> Redhat Enterprise Linux AS 4 Update 2

redhat-release-4AS-4.1 -> Redhat Enterprise Linux AS 4 Update 3

redhat-release-4AS-5.5 -> Redhat Enterprise Linux AS 4 Update 4
```

另：第3)、4)两种方法只对Redhat Linux有效

```
5) [root@SOR_SYS ~]# file /bin/bash
/bin/bash: ELF 64-bit LSB executable, AMD x86-64, version 1 (SYSV), for GNU/Linux 2.6.9, dynamically linked (uses shared libs),
for GNU/Linux 2.6.9, stripped
[root@SOR_SYS ~]#
```

```
6) [root@SOR_SYS ~]# file /bin/cat
/bin/cat: ELF 64-bit LSB executable, AMD x86-64, version 1 (SYSV), for GNU/Linux 2.6.9, dynamically linked (uses shared libs),
for GNU/Linux 2.6.9, stripped
[root@SOR_SYS ~]#
```

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