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Linux rpm list installed package

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Q. How do I list all installed packages using rpm under Linux?

A. rpm is a powerful Package Manager, which can be used to build, install, query, verify, update, and erase individual software packages.

rpm has -a option to query (list) all installed packages.

List all installed packages using rpm -a option

Type the command as follows:

```
# rpm -qa
```

Output:

```
filesystem-2.4.0-1
comps-extras-11.1-1.1
gnome-mime-data-2.4.2-3.1
glibc-2.5-12
atk-1.12.2-1.fc6
libICE-1.0.1-2.1
db4-4.3.29-9.fc6
elfutils-libelf-0.125-3.el5
ncurses-5.5-24.20060715
libsepol-1.15.2-1.el5
libcap-1.10-26
sqlite-3.3.6-2
pcre-6.6-1.1
gdbm-1.8.0-26.2.1
libsepol-1.15.2-1.el5
libXdmcp-1.0.1-2.1
db4-4.3.29-9.fc6
iptables-1.3.5-1.2.1
libXrender-0.9.1-3.1
libXi-1.0.1-3.1
xorg-x11-font-utils-7.1-2
slang-2.0.6-4.el
....
..
....
```

You can display more information about package using following command:

```
# rpm -qi iptables
```

Output:

```
Name       : iptables                      Relocations: /usr
Version    : 1.3.5                        Vendor: Red Hat, Inc.
Release    : 1.2.1                        Build Date: Thu 13 Jul 2006 07:17:24 PM CDT
Install Date: Tue 10 Jul 2007 08:49:20 AM CDT  Build Host: ls20-bc2-14.build.redhat.com
Group      : System Environment/Base        Source RPM: iptables-1.3.5-1.2.1.src.rpm
Size       : 676805                        License: GPL
Signature  : DSA/SHA1, Thu 18 Jan 2007 09:47:22 AM CST, Key ID 5326810137017186
Packager   : Red Hat, Inc.
URL        : http://www.netfilter.org/
Summary    : Tools for managing Linux kernel packet filtering capabilities.
Description :
```

The iptables utility controls the network packet filtering code in the Linux kernel. If you need to set up firewalls and/or IP masquerading, you should install this package.

You can list package file using following command:

```
# rpm -ql iptables
```

Output:

```
/etc/rc.d/init.d/iptables
/etc/sysconfig/iptables-config
/lib64/iptables
/lib64/iptables/libipt_CLASSIFY.so
/lib64/iptables/libipt_CONNMARK.so
/lib64/iptables/libipt_DNAT.so
/lib64/iptables/libipt_DSCP.so
/lib64/iptables/libipt_ECN.so
.....
.....
...
```

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