

# Redhat package and service management

## Using the Redhat package management tool

To list available packages and narrow selection, at the shell prompt, use

```
yum list available
yum list available | grep -iF PATTERN
yum list available | grep -iF java
yum list available | grep -iF tomcat
```

To install a package, use

```
yum install PACKAGE
```

To list installed packages and narrow selection, use

```
yum list installed
yum list installed | grep -iF PATTERN
yum list installed | grep -iF java
yum list installed | grep -iF tomcat
```

To list an installed package's files, use

```
rpm -ql PACKAGE

yum list installed | fgrep tomcat
rpm -ql tomcat5

yum list installed | fgrep java
rpm -ql java-1.5.0-sun
```

## Using the Redhat service management tool

The system services are operated by scripts in

```
/etc/init.d/
```

To display helpful usage instruction, use

```
cd /etc/init.d
./sshd
Usage: ./sshd {start|stop|restart|reload|condrestart|status}
```

**Note:** The service(8) command manages the system services.

To check the status of a service

```
service SERVICE status
service postgresql status
```

To stop a service

```
service SERVICE stop
```

To start a service

```
service SERVICE start
```

The chkconfig(8) command manages system services at init boot time.

To have a service start at init boot time

```
chkconfig SERVICE on
chkconfig tomcat5 on
chkconfig postgresql on
```