Find Out What Ports Are Listening / Open On My Linux & FreeBSD Server

Posted By nixCraft <webmaster@cyberciti.biz> On March 27, 2006 @ 9:56 pm [10 Comments]

How do I find open ports on Linux / FreeBSD server?

There are different commands on both Linux and UNIX server to find out what tcp/udp ports are listening or open on your own server. You can use netstat command, which print network connections, routing tables, interface statistics, masquerade connections, and multicast memberships etc. Another (and suggested) option is to use lsof command, which list open files, and ports on Linux, FreeBSD, Solaris and other Unixish systems.

[1]

netstat command to find open ports

[2]

```
# netstat --listen
```
To display open ports and established TCP connections, enter:
```
$ netstat -vatn
```
To display only open UDP ports try the following command:
```
$ netstat -vaun
```
If you want to see FQDN (full dns hostname), try removing the -n flag:
```
$ netstat -vat
```

lsof Command Examples

To display the list of open ports, enter:
```
# lsof -i
```
To display all open files, use:
```
# lsof
```
To display all open IPv4 network files in use by the process whose PID is 9255, use:
```
# lsof -i 4 -a -p 9255
```

A Note About FreeBSD Users

You can use the sockstat command lists open Internet or UNIX domain sockets, enter:
```
$ sockstat
$ sockstat -l
$ sockstat -4 -l
$ sockstat -6 -l
```

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