

Re: simple q on IP address and port number

Source: <http://linux.derkeiler.com/Newsgroups/comp.os.linux.networking/2007-03/msg00431.html>

- *From:* ibuprofin@xxxxxxxxxxxxxxxxxxxxxxxxxxxx (Moe Trin)
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On 23 Mar 2007, in the Usenet newsgroup comp.os.linux.networking, in article <1174644586.339950.214470@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, dew wrote:

Can anyone tell me whether the Source port(eg., 8080,etc) ,dest port are in decimal format.And how many bits does it take up.There can be 65535 ports.so 16 bits am i right?

It's a 16 bit number. How you represent 16 bits is up to you. Most people speak in decimal, but the protocol represents it as a binary. See the appropriate specification

0768 User Datagram Protocol. J. Postel. August 1980. (Format: TXT=5896 bytes) (Also STD0006) (Status: STANDARD)

0793 Transmission Control Protocol. J. Postel. September 1981. (Format: TXT=172710 bytes) (Updated by RFC3168) (Also STD0007) (Status: STANDARD)

Remember that any service MIGHT use any port number. There exists a number of "well-known" port numbers where you can expect to find a service, but just because something is using port \$FOO does NOT mean that it must be service \$BAR. See <http://www.iana.org/assignments/port-numbers>

Also, the tcp,ip,udp,other protocols have a protocol number.So, that is represented by how many bits?

See RFC0791 section 3.1 – or read your textbook. For a list of those protocols see <http://www.iana.org/assignments/protocol-numbers>

0791 Internet Protocol. J. Postel. September 1981. (Format: TXT=97779 bytes) (Obsoletes RFC0760) (Updated by RFC1349) (Also STD0005) (Status: STANDARD)

You can find the RFCs using the search engine you are posting from. Oh, and please stop posting the same article to multiple groups. You

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are acting like a spammer when you do so.

Old guy

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