

Chapter 11

- 11.1 No solution needed.
- 11.2 Our network uses coaxial cable, twisted pair, and glass fiber as physical media. The main topology is a bus.
- 11.3 Yes, our network is Ethernet based.
- 11.4 No solution needed.
- 11.5 The IPv4 addresses of some of the above hosts are: 192.102.10.81, 192.102.10.11, and 192.102.10.91. Our network is a class C network as the IP addresses start with 192.
- 11.6 No, it does not. I used the `host` command for this purpose.
- 11.7 No solution needed.
- 11.8 Here is the citation for RFC 1118.

Network Working Group
Request for Comments: 1118
Status of this Memo
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- 11.9 The `ruptime | wc -l` command displays the number of hosts on the network.
- 11.10 No solution needed.
- 11.11 No solution is needed. I suspect `http` (WWW) and `smtp` (e-mail) are the most often used services.
- 11.12 I used it for the following hosts: `harvard.edu`, `google.com`, `facebook.com`, and some other hosts.
- 11.13 Here is the required shell session.

```
$ finger sarwar
Login: sarwar                Name: Dr.Mansoor Sarwar
Directory: /usr/home/sarwar/  Shell: /bin/csh
[ Output truncated ]
$
```

- 11.14 Here is the required shell session.

```
$ finger John
[ Output truncated ]
$
```

- 11.15 Here is the required shell session.

```
$ finger *@cmu.edu
[ Output truncated ]
```

\$
11.16 Here is the required shell session.

```
$ rlogin upsun29  
[ Output truncated ]  
$ telnet upsun29  
[ Output truncated ]  
$
```

11.17 No solution needed.

11.18 No solution needed.

11.19 No solution needed.

11.20 No solution needed.

11.21 No solution needed.

11.22 No solution needed.

11.23 No solution needed.