

BASIC IP EXTENDED ACCESS LISTS (Worksheet #1)

Build an IP Extended Access List that will allow:

- 206.156.34.12 to telnet to 165.45.68.10
- Block all other traffic.

```
interface E0
 ip address 165.45.68.254 255.255.255.0
 ip access-group 101          or          ip access-group 101 out

access-list 101 permit tcp 206.156.34.12 0.0.0.0 165.45.68.10 0.0.0.0 eq 23

access-list 101 deny ip any any          or use the implicit deny

access-list _____

access-list _____
```

Build an IP Extended Access List that will allow:

- 34.50.128.4 to send SMTP mail to 165.45.68.78
- 198.189.54.9 to telnet to 165.45.68.250
- Allow anyone to access the web server at 165.45.68.50
- Block all other traffic

```
interface E0
 ip address 165.45.68.254 255.255.255.0
 ip access-group 101          or          ip access-group 101 out

access-list 100 permit tcp 34.50.128.4 0.0.0.0 165.45.68.78 0.0.0.0 eq 25

access-list 100 permit tcp 198.189.54.9 0.0.0.0 165.45.68.250 0.0.0.0 eq 23

access-list 100 permit tcp 0.0.0.0 255.255.255.255 165.45.68.50 0.0.0.0 eq 80

access-list 101 deny ip any any          or use the implicit deny
```

Build an IP Extended Access List that will allow:

- Allow any host on the 206.198.4.0 network to telnet to 165.45.68.10
- Allow anyone to access the web server at 165.45.68.75
- Allow anyone to access the SMTP mail server at 165.45.68.15
- Allow 208.154.56.7, 208.154.56.8, 208.154.56.9 to telnet to 165.45.68.254
- Block all other traffic.

```
interface E0
 ip address 165.45.68.254 255.255.255.0
 ip access-group 100 out
```

```
access-list 100 permit tcp 206.198.4.0 0.0.0.255 host 165.45.68.10 eq 23
```

```
access-list 100 permit tcp any host 165.45.68.75 eq 80
```

```
access-list 100 permit tcp any host 165.45.68.15 eq 25
```

```
access-list 100 permit tcp 208.154.56.7 0.0.0.0 165.45.68.254 0.0.0.0 eq 23
```

```
access-list 100 permit tcp 208.154.56.8 0.0.0.0 165.45.68.254 0.0.0.0 eq 23
```

```
access-list 100 permit tcp 208.154.56.9 0.0.0.0 165.45.68.254 0.0.0.0 eq 23
```

```
access-list 100 deny ip any any or use implicit deny.
```

Build an IP Extended Access List that will:

- Prevent the 165.45.68.0 network from accessing the 190.45.6.0 network.
- Allow all other traffic.

```
interface E0
 ip address 165.45.68.254 255.255.255.0
 ip access-group 100 in
```

```
access-list 100 deny ip 165.45.68.0 0.0.0.255 190.45.6.0 0.0.0.255
```

```
access-list 100 permit ip any any
```

```
access-list _____
```