



**DALHOUSIE
UNIVERSITY**

**Network Security
(CSCI-6708)**

Assignment - 3

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Exercise 1:

- a) Access list 1 deny 170.16.10.5 0.0.0.0
Access list 1 Permit any
R3 # interface E0
IP access-group 1 out
- b) Access list 2 deny 170.16.40.0 0.0.0.255
Access list 2 Permit 17.16.0.0 0.0.255.255
R2 # interface E0
IP access-group 2 out
- c) Access list 101 deny TCP 170.16.50.75 0.0.0.0
170.16.70.2 0.0.0.0 eq 80
Access list 101 deny TCP 170.16.50.7 0.0.0.0
170.16.70.2 0.0.0.0 eq 80
Access list 101 permit TCP any
170.16.70.2 0.0.0.0 eq 80
Access list 101 permit IP any any
R3 # interface E1
IP access-group 101 out
- d) Access list 102 permit TCP 170.16.80.16 0.0.0.0
170.16.40.89 0.0.0.0 eq 23
Access list 102 deny TCP 170.16.80.0 0.0.0.255
170.16.40.89 0.0.0.0 eq 23
Access list 102 permit TCP any
170.16.40.89 0.0.0.0 eq 23
Access list 102 permit IP 170.16.0.0 0.0.255.255
any
R2 # interface E1
IP access-group 102 out
- e) Access list 103 permit TCP 170.16.10.5 0.0.0.0
170.16.70.2 0.0.0.0 eq 21
Access list 103 permit IP 170.16.0.0 0.0.255.255
any
R3 # interface E1
IP access-group 103 out
- f) Access list 3 deny 170.16.20.0 0.0.0.255
Access list 3 Permit any
R3 # interface E1
IP access-group 3 out

g) Access list 4 deny 170.16.70.2 0.0.0.0
Access list 4 Permit any
R1 # interface S0
IP access-group 4 out