

Question 1 :

Question 1:

(a) Access-list 1 Deny 172.16.20.163 0.0.0.0

Access-list 1 Permit any.

Interface E0

IP access-group 1 out.

(b) Access-list 2 Deny 172.16.80.0 0.0.0.255

Access-list 2 Permit any.

Interface E0.

IP access-group 2 out.

(c) Access-list 109 Deny TCP 172.16.50.75 0.0.0.0
172.16.70.2 0.0.0.0 eq 80

Access-list 109 Deny TCP 172.16.50.7 0.0.0.0
172.16.70.2 0.0.0.0 eq 443

Access-list 109 Deny TCP 172.16.50.75 0.0.0.0
172.16.70.2 0.0.0.0 eq 443

Access-list 109 Deny TCP 172.16.50.7 0.0.0.0
172.16.70.2 0.0.0.0 eq 80

(d) Access-list 112 Permit TCP 172.16.80.16 0.0.0.0
172.16.40.89 0.0.0.0 eq 23

Access-list 112 Deny TCP 172.16.80.0 0.0.0.255
172.16.40.89 0.0.0.0 eq 23

Access-list 112 Permit IP any.

Interface E1

IP access-group 112 in.

(c) Access-list 183 Permit TCP 172.16.70.5 0.0.0.0 any eq 20
Access-list 183 Permit TCP 172.16.70.5 0.0.0.0 any eq 21
Access-list 183 Deny TCP any 172.16.30.1 eq 20
Access-list 183 Deny TCP any 172.16.30.1 eq 21
Access-list 183 Permit IP any any.
Interface S0
IP access-group 183 in.
~~Access-list 183~~

Access-list 184 Deny TCP 172.16.20.1 eq 20
Access-list 184 Deny TCP 172.16.20.1 eq 21
Access-list 184 Permit IP any.
Interface E0
IP access-group 184 in.

Access-list 185 Deny TCP any 172.16.10.1 eq 20
Access-list 185 Deny TCP any 172.16.10.1 eq 21
Access-list 185 permit IP any.
Interface E1
IP access-group 185 in.

Question 2:

Output of question 2 :

assignment 2

Python 2.7.13 Shell

File Edit Shell Debug Options Window Help

Python 2.7.13 (v2.7.13:a06454b1afaf, Dec 17 2016, 20:53:40) [MSC v.1500 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:\Jan 2018\network security\assignment 2\assignment 2.py =====
reading the acl file
the content of acl file as follows
access-list 1 deny 192.1.1.0 0.0.0.255
access-list 1 permit any
interface E0
ip access-group 1 out
ip text file
192.1.1.1
192.1.1.9
192.1.2.1
192.1.4.1
here the content is
192.1.1.1 192.1.1.9 are the packets that are permitted
192.1.2.1 192.1.68.4.1 are the packet that denied
>>> |

Ln: 19 Col: 4