

Problems

Total points available: 1000

(TCP/IP basics)

IP 01 : 100



Problem

Solves by other users: 1728

What is the address for a local loopback?

0.0.0.0

127.0.0.1

1.1.1.1

127.0.0.0

IP 02 : 100



Problem

Solves by other users: 1718

What is the subnet mask of a class B network?

255.0.0.0

255.255.0.0

255.255.255.0

255.255.255.254

IP 03 : 100



Problem

Solves by other users: 1522

What are the private IP addresses of a class A network?

10.0.0.1 - 10.255.255.255

10.0.0.0 - 10.255.255.254

10.0.0.0 - 10.255.255.255

10.0.1.0 - 10.255.255.250

IP 04 : 100



Problem

Solves by other users: 1688

What layer in the TCP/IP stack is equivalent to the Transport layer of the OSI model?

Application

Transport

Internet

Network Interface

IP 05 : 100



Problem

Solves by other users: 1690

What is the port number of DNS?

21

22

53

80

IP 06 : 100



Problem

Solves by other users: 1708

How many octets comprise an IPv4 address?

☒ 4

☐ 6

☐ 8

☐ 12

IP 07 : 100



Problem

Solves by other users: 1696

How many bits comprise an IPv4 octet?

☐ 4

☐ 6

☒ 8

☐ 12

IP 08 : 100



Problem

Solves by other users: 1556

Convert the following IP into binary. 197.163.12.56

11100101.10100001.00001100.00111000

11000101.10110011.00101100.00111010

11010101.10101011.00001100.00111010

☒ 11000101.10100011.00001100.00111000

IP 09 : 100



Problem

Solves by other users: 1556

Given a CIDR of 15 would result in what netmask?

254.0.0.0

☒ 255.254.0.0

255.255.254.0

255.255.255.254

IP 10 : 100



Problem

Solves by other users: 1565

Given the IP and CIDR of 10.0.12.34/23 what would be the total hosts?

240

☒ 512

650

730