

Lesson 5. HomeWork

What services are default for CentOS 7 Linux:

- Sshd
- Chrony
- Acpid
- Auditd
- Rsyslog
- Httpd
- Bind

What command you could use in centos Linux to find what IP address assigned to eth0 interface:

- Isip
- Ifconfig eth0
- ipaddr list
- System --ip
- Ip addr

You have httpd recently installed, how to make sure it'll start during next boot:

- service start httpd
- systemctl http enable
- systemctl enable httpd
- service start httpd
- systemctl httpd auto-started

What CIDRs is NOT Private:

- 10.0.0.0/8
- 172.128.0.0/16
- 192.166.0.0/16
- 192.168.0.0/16
- 172.16.0.0/12

What OSI layer is responsible for TCP protocol transfer:

- Layer 1
- Data layer
- Layer 8
- Presentation Layer
- Layer 4

What OSI Layer is responsible for HTTP/HTTPS traffic:

- Layer 4
- Layer 7
- Layer 2
- Data Layer
- Transport Layer
- Traffic Layer
- WEB layer

Why each octet in IPv4 limited to 256 in DEC:

- It's enough to represent single octet with 8 bits
- In IPv4 each octet by design requires 8 bits, which is equal to 256 in decimal.
- 256 is max number PC can handle as an octet size
- Network card memory is limited to 256 bits per octet
-

How many bits do we need to save an IPv4 address?

- 8
- 64
- 32
- 10
- 16

You are building a network for 100 hosts, what subnet size you are going to use:

- 10.0.0.0/9

- 10.0.0.0/8
- 10.0.0.0/12
- 10.0.0.0/24
- 10.0.0.0/22
- 10.0.0.0/32

You are building a network for 2500 hosts, what subnet size you are going to use:

- 10.0.0.0/16
- 10.0.0.0/8
- 10.0.0.0/22
- 10.0.0.0/24
- 10.0.0.0/12
- 10.0.0.0/0

Optional:

What tools will you use to see HTTP traffic?

Google cloud platform //VPC Flow Logs

Install an apache web server and use the tool to see the traffic.

What tools will you use to see HTTPS traffic?

fiddler

How many hops from your VM to yahoo.com? What tool will you use?

30 hops

What tool do you use to check if a host is alive?

fping