Cisco Packet Tracer - D:\GeekBrains\HomeWork\PC_Networks\Lesson_07\s5_homework.pkt

File   Edit   Options   View   Tools   Extensions   Window   Help

Logical   Physical   x: 650, y: 335   Root   01:29:30

Office 1
10.1.1.0/24
Fa0
Laptop-PT
10.1.1.10
Fa0/1
Fa0/2
Fa0/3
2960-24TT
Switch0
Fa0
Laptop-PT
10.1.1.11
Gig0/0/0
ISR4331
Router0
Gig0/0/1
1.1.1.0/24
"Интернет"
Giç Gig0/2
Gig0/0/0
2911
Router6
Gig0/2/0
2.2.2.0/24
3.3.3.0/24
Gig0/0/1
ISR4331
Router3

Office 2
10.0.0.0/16
Fa0/1
Fa0/2
Fa0/3
2960-24TT
Switch1
Fa0
Server-PT
10.0.0.10
Fa0
Server-PT
10.0.0.11

PC-PT
172.16.0.10
Fa0
Fa0/1
Fa0/2
Fa0/3
2960-24TT
Switch2
Gig0/0/0
Gig0/0/1
ISR4331
Router1
4.4.4.0/24
PC-PT
172.16.0.11
172.16.0.0/16
Office 3

Gig0/3/0
2911
Router7
Gig0/0
Fa0/1
Fa0/2
2960-24TT
Switch3
192.168.145.0/24
Fa0
Server-PT
192.168.145.10
Office 4

172.16.0.10
Physical   Config   Desktop   Programming   Attributes

Web Browser   X
<   >   URL   http://2.2.2.1:80   Go   Stop

Cisco Packet Tracer

Port 80.

Quick Links:
A small page
Copyrights
Image page
Image

Top

Time: 01:51:34   Realtime   Simulation

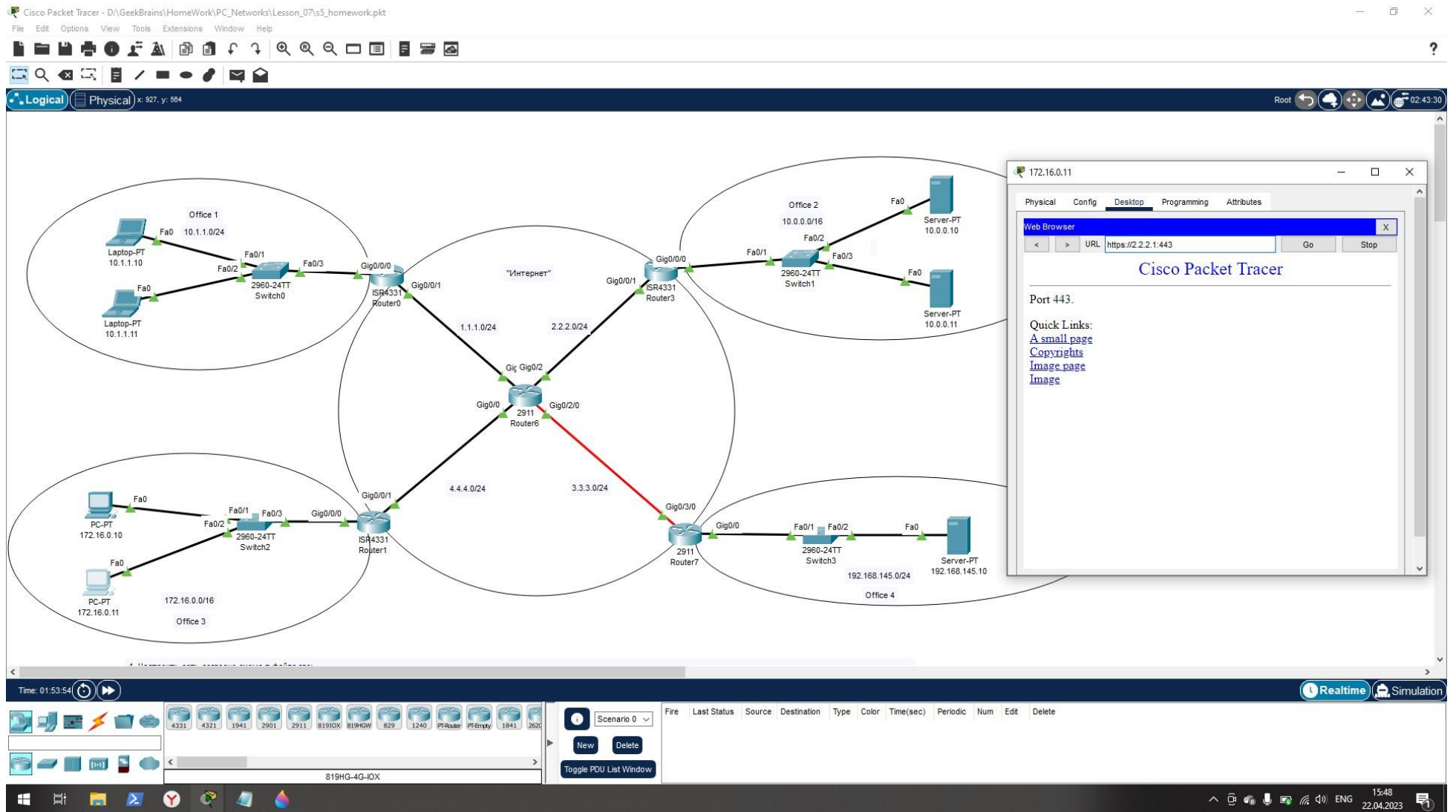4331 4321 1941 2901 2911 819IOX 819HGW 829 1240 PT-Router PT-Empty 1841 2620
ISR4331

Scenario 0
New   Delete
Toggle PDU List Window

Fire   Last Status   Source   Destination   Type   Color   Time(sec)   Periodic   Num   Edit   Delete

ENG   15:46   22.04.2023

Cisco Packet Tracer - D:\GeekBrains\HomeWork\PC_Networks\Lesson_07\s5_homework.pkt

File Edit Options View Tools Extensions Window Help

Logical   Physical   x: 1562, y: 87   Root   03:42:30

Office 1
10.1.1.0/24

Laptop-PT
10.1.1.10
Fa0
Fa0/1
Fa0/2
Fa0/3   Gig0/0/0
2960-24TT
Switch0
ISR4331
Router0
Gig0/0/1

Laptop-PT
10.1.1.11
Fa0

"Интернет"

1.1.1.0/24   2.2.2.0/24

Gig0/0/0
ISR4331
Router3
Gig0/0/1

Office 2
10.0.0.0/16
Fa0
Server-PT
10.0.0.10
Fa0/1   Fa0/2
2960-24TT
Switch1
Fa0/3   Fa0
Server-PT
10.0.0.11

Giç Gig0/2
Gig0/0/0   2911   Gig0/2/0
Router6

PC-PT
172.16.0.10
Fa0
Fa0/1   Fa0/3
Fa0/2   Gig0/0/0
2960-24TT
Switch2
Gig0/0/1
ISR4331
Router1

4.4.4.0/24   3.3.3.0/24

Gig0/3/0
2911
Router7
Gig0/0
Fa0/1   Fa0/2
2960-24TT
Switch3
Fa0
Server-PT
192.168.145.10

PC-PT
172.16.0.11
Fa0
172.16.0.0/16
Office 3

192.168.145.0/24
Office 4

Router1

Physical   Config   CLI   Attributes

IOS Command Line Interface

```
Router#show ip nat tran
Router#show ip nat translations
Pro  Inside global     Inside local     Outside local    Outside global
tcp 4.4.4.1:1024      172.16.0.11:1025   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1025      172.16.0.10:1025   2.2.2.1:80       2.2.2.1:80
tcp 4.4.4.1:1026      172.16.0.10:1026   2.2.2.1:80       2.2.2.1:80
tcp 4.4.4.1:1027      172.16.0.10:1027   2.2.2.1:80       2.2.2.1:80
tcp 4.4.4.1:1028      172.16.0.10:1028   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1029      172.16.0.10:1029   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1030      172.16.0.10:1030   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1031      172.16.0.10:1031   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1032      172.16.0.10:1032   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1033      172.16.0.10:1033   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1034      172.16.0.10:1034   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1035      172.16.0.10:1035   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1036      172.16.0.10:1036   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1037      172.16.0.10:1037   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1038      172.16.0.10:1038   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1039      172.16.0.10:1039   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1040      172.16.0.10:1040   2.2.2.1:80       2.2.2.1:80
tcp 4.4.4.1:1041      172.16.0.11:1026   2.2.2.1:80       2.2.2.1:80
tcp 4.4.4.1:1042      172.16.0.11:1027   2.2.2.1:80       2.2.2.1:80
tcp 4.4.4.1:1043      172.16.0.10:1043   2.2.2.1:80       2.2.2.1:80
tcp 4.4.4.1:1044      172.16.0.10:1042   2.2.2.1:80       2.2.2.1:80
tcp 4.4.4.1:1045      172.16.0.11:1028   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1046      172.16.0.11:1029   2.2.2.1:443      2.2.2.1:443
tcp 4.4.4.1:1047      172.16.0.11:1030   2.2.2.1:443      2.2.2.1:443

Router#
```

Copy   Paste

☐ Top

Time: 01:55:44   Realtime   Simulation

4331 4321 1941 2901 2911 8191OX 819HGW 829 1240 PT-Router PT-Empty 1841 2620

CGR1240

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Scenario 0

New   Delete

Toggle PDU List Window

ENG   15:50   22.04.2023

Cisco Packet Tracer - D:\GeekBrains\HomeWork\PC_Networks\Lesson_07\s5_homework.pkt

File   Edit   Options   View   Tools   Extensions   Window   Help

Logical   Physical   x: 1313, y: 578

Root   23:58:00

Office 1
10.1.1.0/24

Laptop-PT
10.1.1.10
Fa0

Fa0/1
Fa0/2
2960-24TT
Switch0
Fa0/3

Gig0/0/0
ISR4331
Router0
Gig0/0/1

Fa0
Laptop-PT
10.1.1.11

"Интернет"

1.1.1.0/24   2.2.2.0/24

Office 2
10.0.0.0/16

Fa0
Server-PT
10.0.0.10
Fa0/1
Fa0/2
2960-24TT
Switch1
Fa0/3

Gig0/0/0
Gig0/0/1
ISR4331
Router3

Fa0
Server-PT
10.0.0.11

Giç Gig0/2

Gig0/0   Gig0/2/0
2911
Router6

4.4.4.0/24   3.3.3.0/24

PC-PT
172.16.0.10
Fa0

Fa0/1   Fa0/3
Fa0/2
2960-24TT
Switch2

Gig0/0/0
Gig0/0/1
ISR4331
Router1

Fa0
PC-PT
172.16.0.11

172.16.0.0/16

Office 3

Gig0/3/0
2911
Router7

Gig0/0
Fa0/1   Fa0/2
2960-24TT
Switch3
192.168.145.0/24

Fa0
Server-PT
192.168.145.10

Office 4

1. Настроить сеть согласно схеме в файле где:
Office 1 - сеть 10.1.1.0/24

Time: 01:48:40

Realtime   Simulation

4331 4321 1941 2901 2911 819IOX 819HGW 829 1240 PT-Router PT-Empty 1841 2620

CGR1240

Scenario 0
New   Delete
Toggle PDU List Window

Fire   Last Status   Source   Destination   Type   Color   Time(sec)   Periodic   Num   Edit   Delete

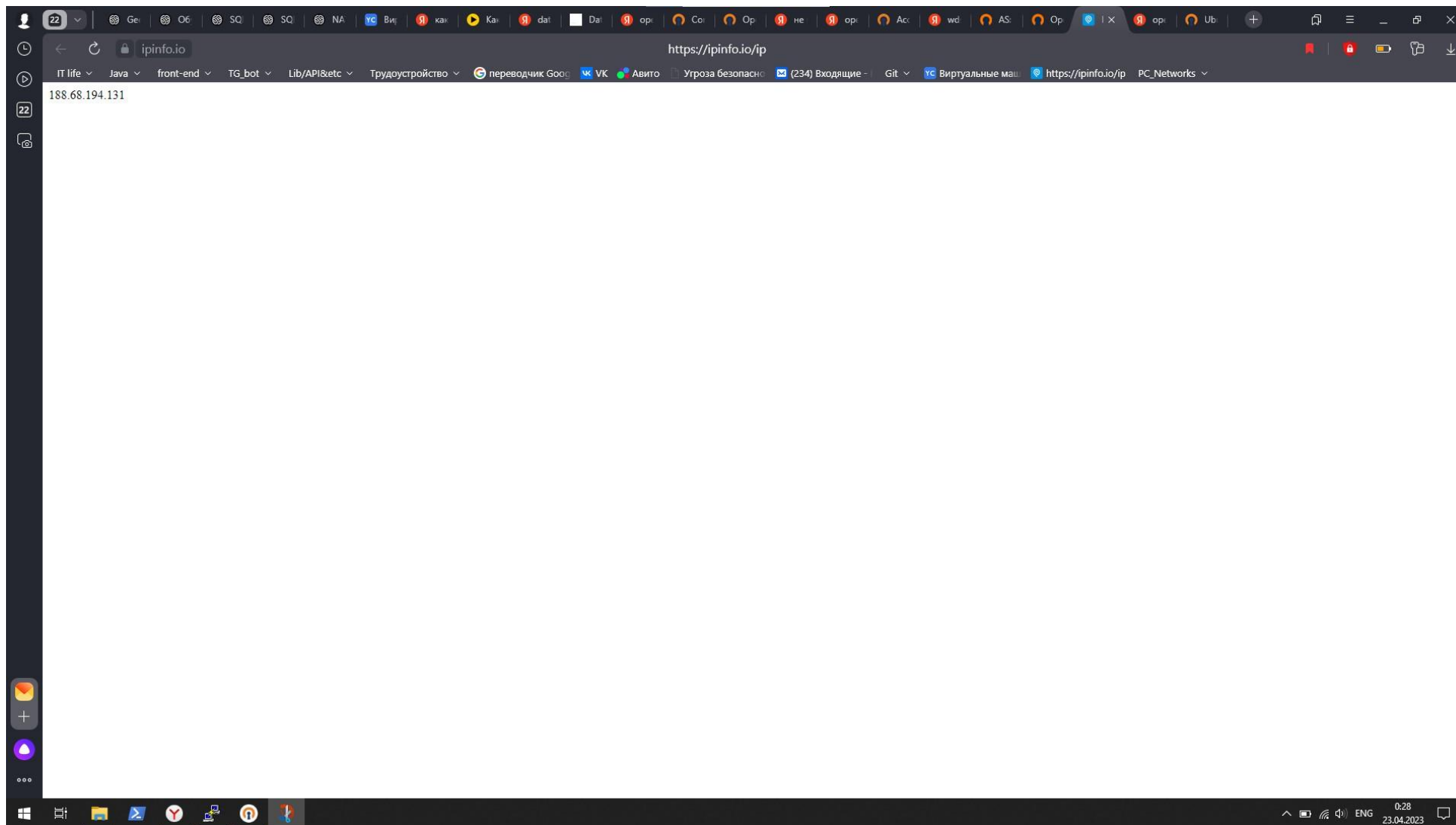---

10.1.1.10
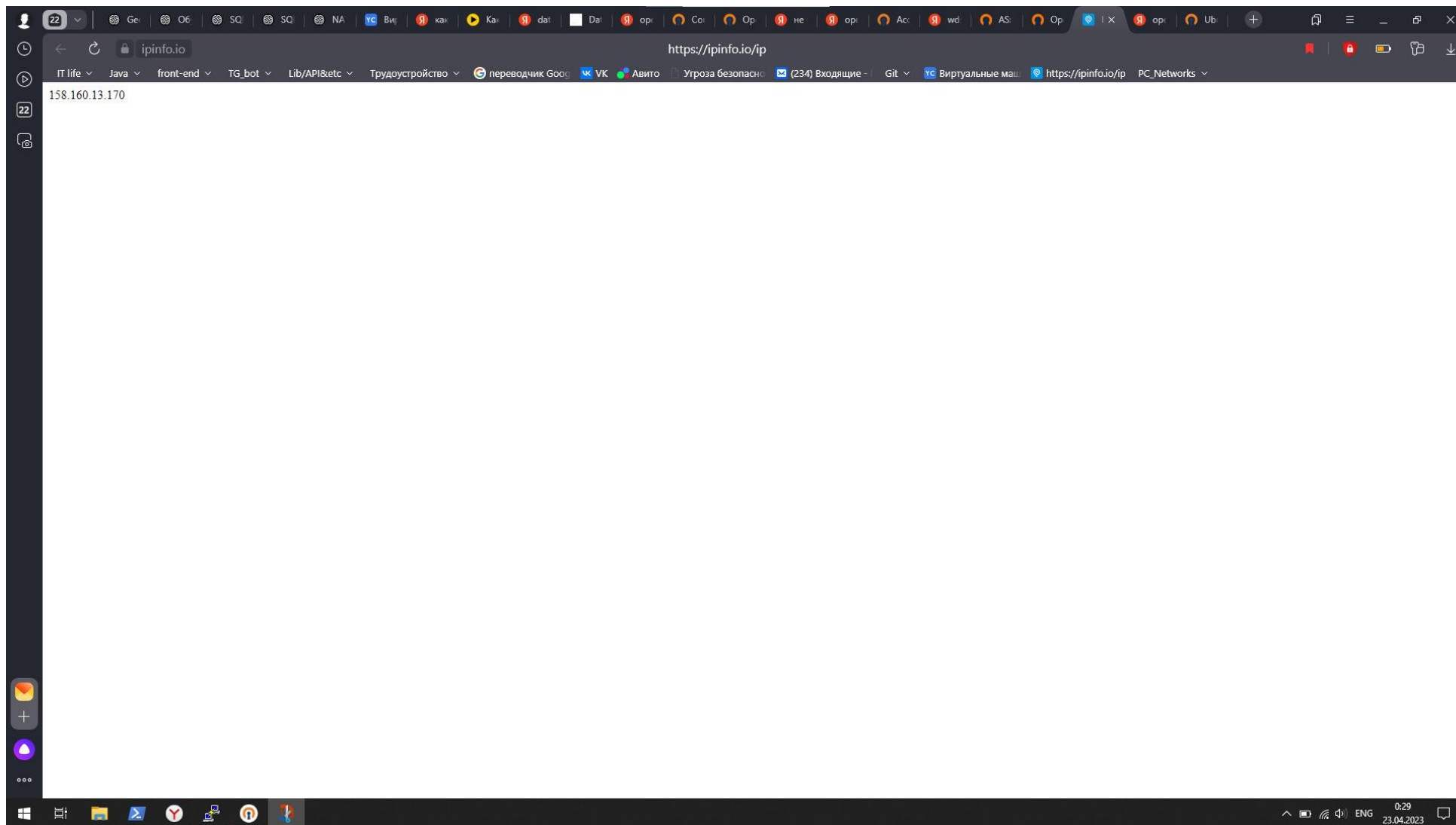
Physical   Config   Desktop   Programming   Attributes

Command Prompt   X

```
Ping statistics for 192.168.145.10:
    Packets: Sent = 4, Received = 1, Lost = 3 (75% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.145.10

Pinging 192.168.145.10 with 32 bytes of data:

Reply from 192.168.145.10: bytes=32 time<1ms TTL=126
Reply from 192.168.145.10: bytes=32 time=1ms TTL=126
Reply from 192.168.145.10: bytes=32 time<1ms TTL=126
Reply from 192.168.145.10: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.145.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>tracert 192.168.145.10

Tracing route to 192.168.145.10 over a maximum of 30 hops:

  1    0 ms      0 ms      0 ms      10.1.1.1
  2    1 ms      0 ms      1 ms      172.16.0.2
  3    0 ms      1 ms      0 ms      192.168.145.10

Trace complete.

C:\>
```

☐ Top

ENG   15:43   22.04.2023

188.68.194.131

158.160.13.170

```
Scanning processes...
Scanning candidates...
Scanning linux images...

Restarting services...
Service restarts being deferred:
 systemctl restart packagekit.service
 systemctl restart unattended-upgrades.service

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@vm-cloud:/home/fedotoff144#
root@vm-cloud:/home/fedotoff144#
root@vm-cloud:/home/fedotoff144#
root@vm-cloud:/home/fedotoff144# ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default q
len 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default
 qlen 1000
    link/ether d0:0d:19:8e:7d:c6 brd ff:ff:ff:ff:ff:ff
    altname enp138s0
    altname ens8
    inet 10.129.0.6/24 metric 100 brd 10.129.0.255 scope global eth0
       valid_lft forever preferred_lft forever
    inet6 fe80::d20d:19ff:fe8e:7dc6/64 scope link
       valid_lft forever preferred_lft forever
3: as0t0: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc fq_codel state U
NKNOWN group default qlen 200
    link/none
    inet 172.27.224.1/22 scope global as0t0
       valid_lft forever preferred_lft forever
    inet6 fe80::860a:ad5b:28e3:6efd/64 scope link stable-privacy
       valid_lft forever preferred_lft forever
4: as0t1: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc fq_codel state U
NKNOWN group default qlen 200
    link/none
    inet 172.27.228.1/22 scope global as0t1
       valid_lft forever preferred_lft forever
    inet6 fe80::790d:3d08:2e31:b28d/64 scope link stable-privacy
       valid_lft forever preferred_lft forever
5: as0t2: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc fq_codel state U
NKNOWN group default qlen 200
    link/none
    inet 172.27.232.1/22 scope global as0t2
       valid_lft forever preferred_lft forever
    inet6 fe80::34c9:9639:1257:88d6/64 scope link stable-privacy
       valid_lft forever preferred_lft forever
6: as0t3: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc fq_codel state U
NKNOWN group default qlen 200
    link/none
    inet 172.27.236.1/22 scope global as0t3
       valid_lft forever preferred_lft forever
    inet6 fe80::9dc1:875a:5f3f:c205/64 scope link stable-privacy
       valid_lft forever preferred_lft forever
root@vm-cloud:/home/fedotoff144#
```