Cisco Packet Tracer - C:\Users\MAL\Desktop\Учеба\Программист\WebNet\Hw_7\s5_homework.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1250, y: 477

Root 07:58:30

10.1.1.0/24

Fa0
Laptop-PT
Laptop0
Fa0/1
Fa0/2
Fa0
Laptop-PT
Laptop1
Office 1

2960-24TT
Switch0
Fa0/3
Gig0/0/0
ISR4331
Router0
Gig0/0/1

"Интернет"

172.20.0.0/24
172.18.0.0/24

Gig1 Gig0/2
2911
Router6
Gig0/0 Gig0/3/0

192.168.61.0/24

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

10.0.0.0/16

Office 2
Fa0
Fa0/1
Fa0/2
Server-PT
Server0

2960-24TT
Switch1
Fa0/3
Fa0
Server-PT
Server1

PC0

Physical Config Desktop Programming Attributes

Web Browser   X

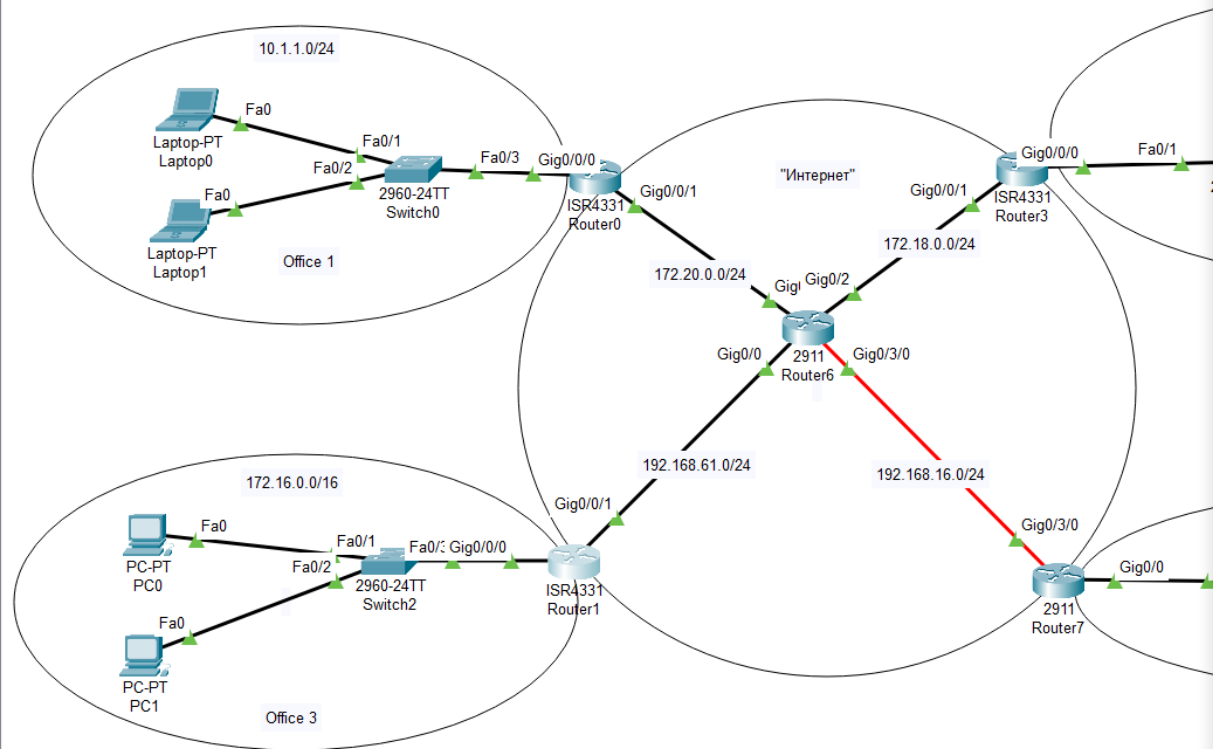< > URL https://172.18.0.2   Go   Stop

Cisco Packet Tracer

Welcome to Server1 HTTPS server on port 443

Quick Links:
A small page
Copyrights
Image page
Image

PC1

Physical Config Desktop Programming Attributes

Web Browser   X

< > URL http://172.18.0.2   Go   Stop

Cisco Packet Tracer

Welcome to Server0 HTTP server on port 80

Quick Links:
A small page
Copyrights
Image page
Image

Cisco Packet Tracer - C:\Users\MAL\Desktop\Учеба\Программист\WebNet\Hw_7\s5_homework.pkt

File   Edit   Options   View   Tools   Extensions   Window   Help

Logical   Physical   x: 1029, y: 529   Root   09:27:00
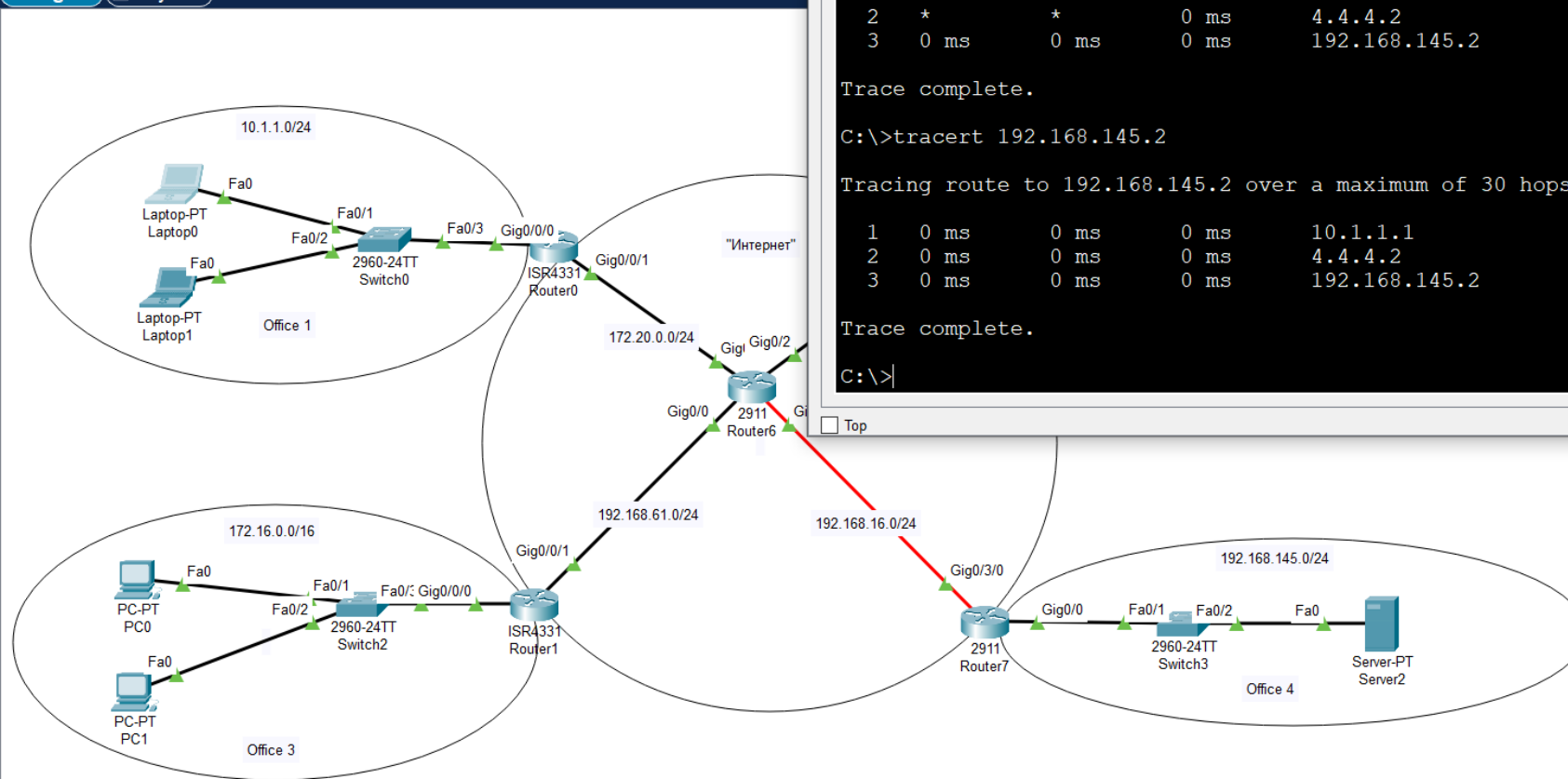
Command Prompt — Laptop0

```
Tracing route to 192.168.145.2 over a maximum of 30 hops:

  1    0 ms      0 ms      0 ms      10.1.1.1
  2    *         *         0 ms      4.4.4.2
  3    0 ms      0 ms      0 ms      192.168.145.2

Trace complete.

C:\>tracert 192.168.145.2

Tracing route to 192.168.145.2 over a maximum of 30 hops:

  1    0 ms      0 ms      0 ms      10.1.1.1
  2    0 ms      0 ms      0 ms      4.4.4.2
  3    0 ms      0 ms      0 ms      192.168.145.2

Trace complete.

C:\>
```
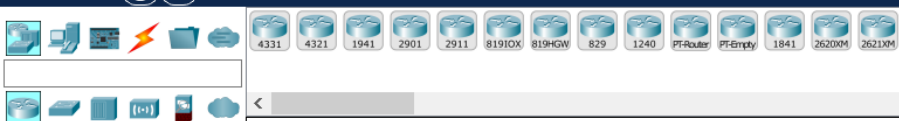
Top

10.1.1.0/24

Fa0
Laptop-PT
Laptop0

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

Fa0
Laptop-PT
Laptop1

Office 1

Fa0/3   Gig0/0/0
ISR4331
Router0

Gig0/0/1

"Интернет"

172.20.0.0/24   Gig   Gig0/2
Gig0/2

Gig0/0   2911
Router6

172.16.0.0/16

Fa0
PC-PT
PC0

Fa0/1
Fa0/2
Fa0/3 Gig0/0/0
2960-24TT
Switch2

Fa0
PC-PT
PC1

Office 3

Gig0/0/1

192.168.61.0/24

192.168.16.0/24

Gig0/0/1
ISR4331
Router1

Gig0/3/0

192.168.145.0/24

Gig0/0   Fa0/1 Fa0/2   Fa0
2911
Router7

2960-24TT
Switch3

Server-PT
Server2

Office 4

Time: 02:40:37

Realtime   Simulation

4331 4321 1941 2901 2911 819IOX 819HGW 829 1240 PT-Router PT-Empty 1841 2620XM 2621XM

Router-PT-Empty

Scenario 0

New   Delete

Toggle PDU List Window

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

```
64 bytes from ya.ru (5.255.255.242): icmp_seq=2 ttl=240 time=46.9 ms
64 bytes from ya.ru (5.255.255.242): icmp_seq=3 ttl=240 time=46.9 ms
^C
--- ya.ru ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2002ms
rtt min/avg/max/mdev = 46.850/47.076/47.528/0.319 ms
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 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: ens4: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1460 qdisc mq state UP group default qlen 1000
    link/ether 42:01:0a:84:00:02 brd ff:ff:ff:ff:ff:ff
    altname enp0s4
    inet 10.132.0.2/32 brd 10.132.0.2 scope global dynamic ens4
       valid_lft 3490sec preferred_lft 3490sec
    inet6 fe80::4001:aff:fe84:2/64 scope link
       valid_lft forever preferred_lft forever
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988# df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            478M     0  478M   0% /dev
tmpfs            98M  388K   98M   1% /run
/dev/sda1       9.7G  1.9G  7.3G  21% /
tmpfs           488M     0  488M   0% /dev/shm
tmpfs           5.0M     0  5.0M   0% /run/lock
/dev/sda15      124M   11M  114M   9% /boot/efi
tmpfs            98M     0   98M   0% /run/user/1000
root@instance-1:/home/kinmal1988#
```

SSH-in-browser   ⬆ UPLOAD FILE   ⬇ DOWNLOAD FILE

```
Linux instance-1 5.10.0-23-cloud-amd64 #1 SMP Debian 5.10.179-1 (2023-05-12) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Wed Jul 19 09:23:55 2023 from 35.235.243.224
kinmal1988@instance-1:~$
kinmal1988@instance-1:~$
kinmal1988@instance-1:~$
kinmal1988@instance-1:~$ sudo su
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988# cat /etc/*-release

PRETTY_NAME="Debian GNU/Linux 11 (bullseye)"
NAME="Debian GNU/Linux"
VERSION_ID="11"
VERSION="11 (bullseye)"
VERSION_CODENAME=bullseye
ID=debian
HOME_URL="https://www.debian.org/"
SUPPORT_URL="https://www.debian.org/support"
BUG_REPORT_URL="https://bugs.debian.org/"
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988#
root@instance-1:/home/kinmal1988#
```

SSH-in-browser   ⬆ UPLOAD FILE   ⬇ DOWNLOAD FILE

```
Setting up libxmlsec1-openssl:amd64 (1.2.31-1) ...
Setting up python3-pbr (5.5.0-2) ...
Setting up python3-bcrypt (3.1.7-4) ...
Setting up python3-cffi (1.14.5-1) ...
Setting up python3-ldap3 (2.8.1-1) ...
Setting up python3-bs4 (4.9.3-1) ...
Setting up python3-pyasn1-modules (0.2.1-1) ...
Setting up python3-cryptography (3.3.2-1) ...
Setting up python3-service-identity (18.1.0-6) ...
Setting up python3-netaddr (0.7.19-5) ...
Setting up python3-lxml:amd64 (4.6.3+dfsg-0.1+deb11u1) ...
Setting up libnl-genl-3-200:amd64 (3.4.0-1+b1) ...
Setting up python3-migrate (0.13.0-2) ...
Setting up python3-openssl (20.0.1-1) ...
Setting up python3-twisted (20.3.0-7+deb11u1) ...
Setting up openvpn-as (2.12.0-2e834031-Debian11) ...

To reconfigure manually, use the /usr/local/openvpn_as/bin/ovpn-init tool.


+++++++++++++++++++++++++++++++++++++++++++++++++++
Access Server 2.12.0 has been successfully installed in /usr/local/openvpn_as
Configuration log file has been written to /usr/local/openvpn_as/init.log


Access Server Web UIs are available here:
Admin  UI: https://10.164.0.2:943/admin
Client UI: https://10.164.0.2:943/
To login please use the "openvpn" account with "4Tc3Rj5ziZe6" password.
(password can be changed on Admin UI)
+++++++++++++++++++++++++++++++++++++++++++++++++++


Processing triggers for man-db (2.9.4-2) ...
Processing triggers for libc-bin (2.31-13+deb11u6) ...
root@instance-2:/home/kinmal1988#
```
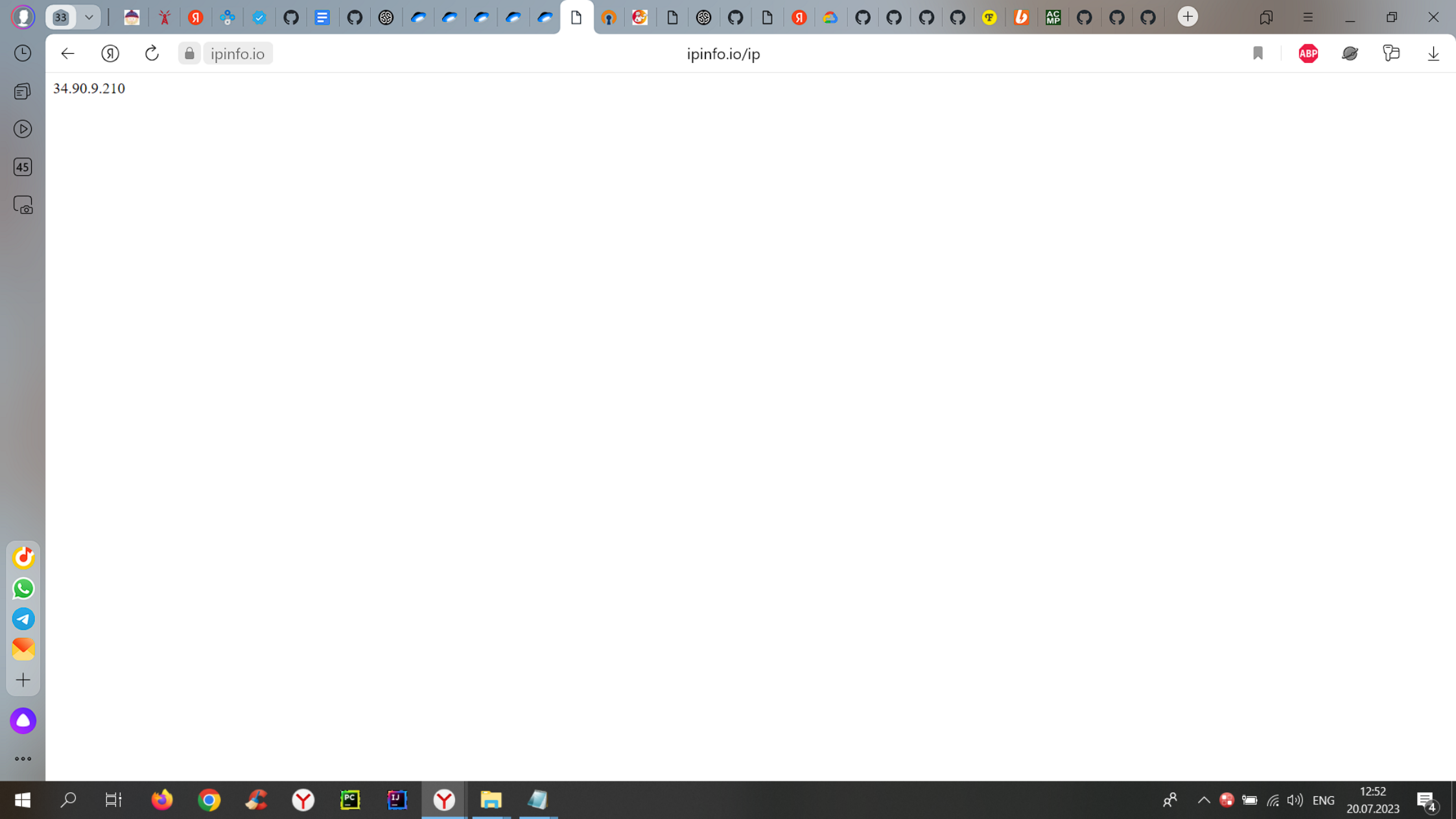
34.90.9.210

SSH-in-browser   UPLOAD FILE   DOWNLOAD FILE

```
2: ens4: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1460 qdisc mq state UP group default qlen 1000
    link/ether 42:01:0a:a4:00:02 brd ff:ff:ff:ff:ff:ff
    altname enp0s4
    inet 10.164.0.2/32 brd 10.164.0.2 scope global dynamic ens4
       valid_lft 2975sec preferred_lft 2975sec
    inet6 fe80::4001:aff:fea4:2/64 scope link
       valid_lft forever preferred_lft forever
7: as0t0: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UNKNOWN group default qle
n 200
    link/none
    inet 172.27.224.1/22 scope global as0t0
       valid_lft forever preferred_lft forever
    inet6 fe80::3419:9c20:ac32:192/64 scope link stable-privacy
       valid_lft forever preferred_lft forever
8: as0t1: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UNKNOWN group default qle
n 200
    link/none
    inet 172.27.228.1/22 scope global as0t1
       valid_lft forever preferred_lft forever
    inet6 fe80::3d31:3040:7a6d:564d/64 scope link stable-privacy
       valid_lft forever preferred_lft forever
9: as0t2: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UNKNOWN group default qle
n 200
    link/none
    inet 172.27.232.1/22 scope global as0t2
       valid_lft forever preferred_lft forever
    inet6 fe80::4100:642f:ef39:6c97/64 scope link stable-privacy
       valid_lft forever preferred_lft forever
10: as0t3: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UNKNOWN group default ql
en 200
    link/none
    inet 172.27.236.1/22 scope global as0t3
       valid_lft forever preferred_lft forever
    inet6 fe80::e435:4853:6b43:6513/64 scope link stable-privacy
       valid_lft forever preferred_lft forever
root@instance-2:/home/kinmal1988#
```

VM instances – Compute Engine – My First Project – Google Cloud console

ll account, you'll get unlimited access to all of Google Cloud Platform.   DISMISS

Search (/) for resources, docs, products, and more   🔍 Search   7   ?

CREATE INSTANCE   IMPORT VM   REFRESH   HELP ASSISTANT

SERVABILITY   INSTANCE SCHEDULES

y name or value

Name ↑	Zone	Recommendations	In use by	Internal IP	External IP	Connect
instance-2	europe-west4-a			10.164.0.2 (nic0)	34.90.9.210 (nic0)	SSH ▾

kup and DR NEW
d set up disaster

View billing report
View and manage your Compute Engine billing

ss metrics like CPU

Explore VM logs
View, search, analyze, and download VM instance logs

Marketplace

Release Notes

⊞ **Set up firewall rules**
Control traffic to and from a VM instance

⟲ **Patch management**
Schedule patch updates and view patch compliance on VM instances

⟲ **Load balance between VMs** ⧉

12:54
20.07.2023