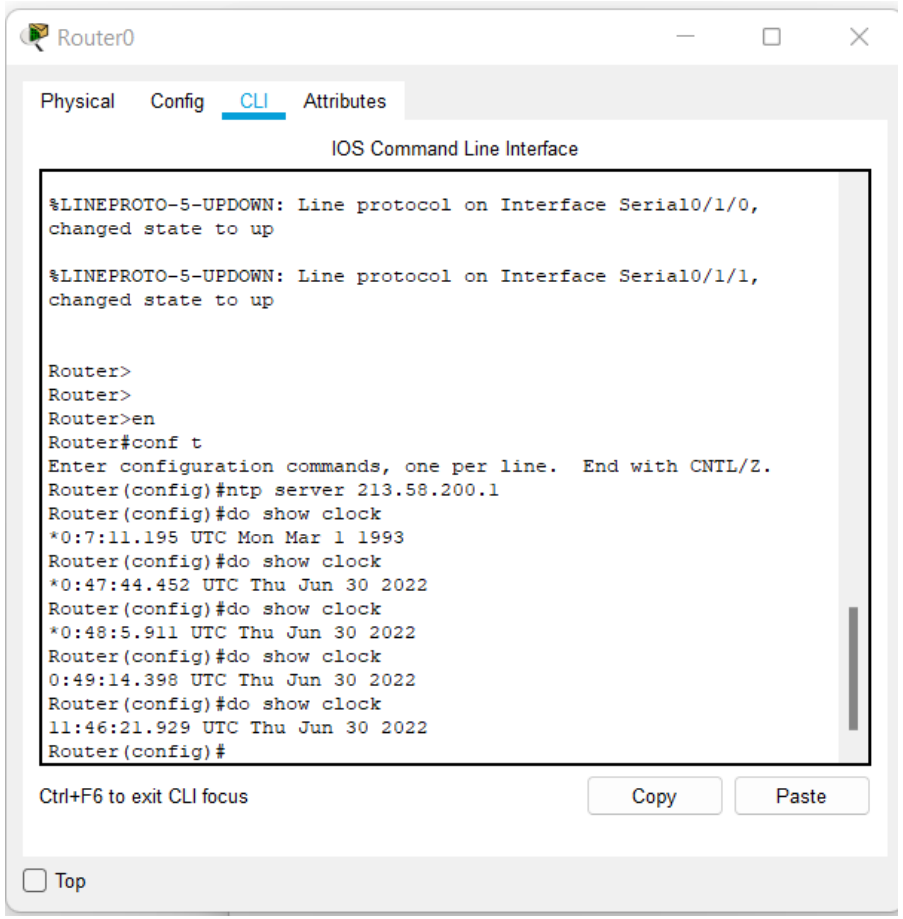
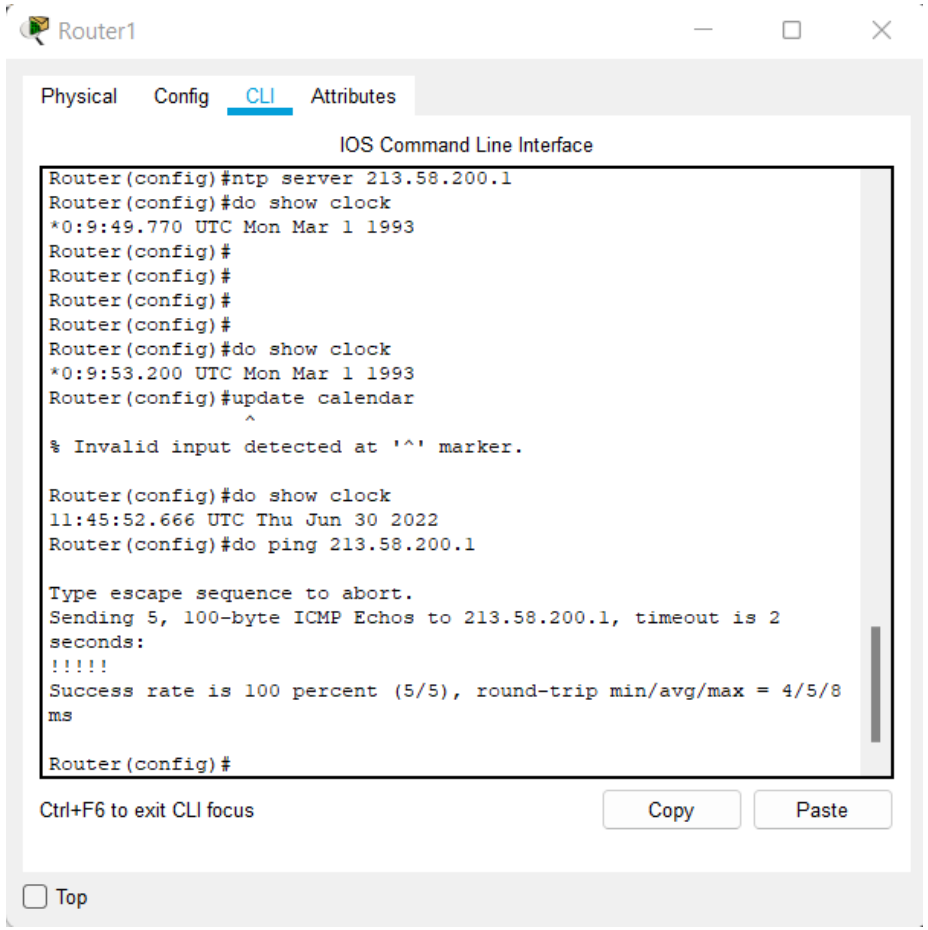
Diogo Antunes

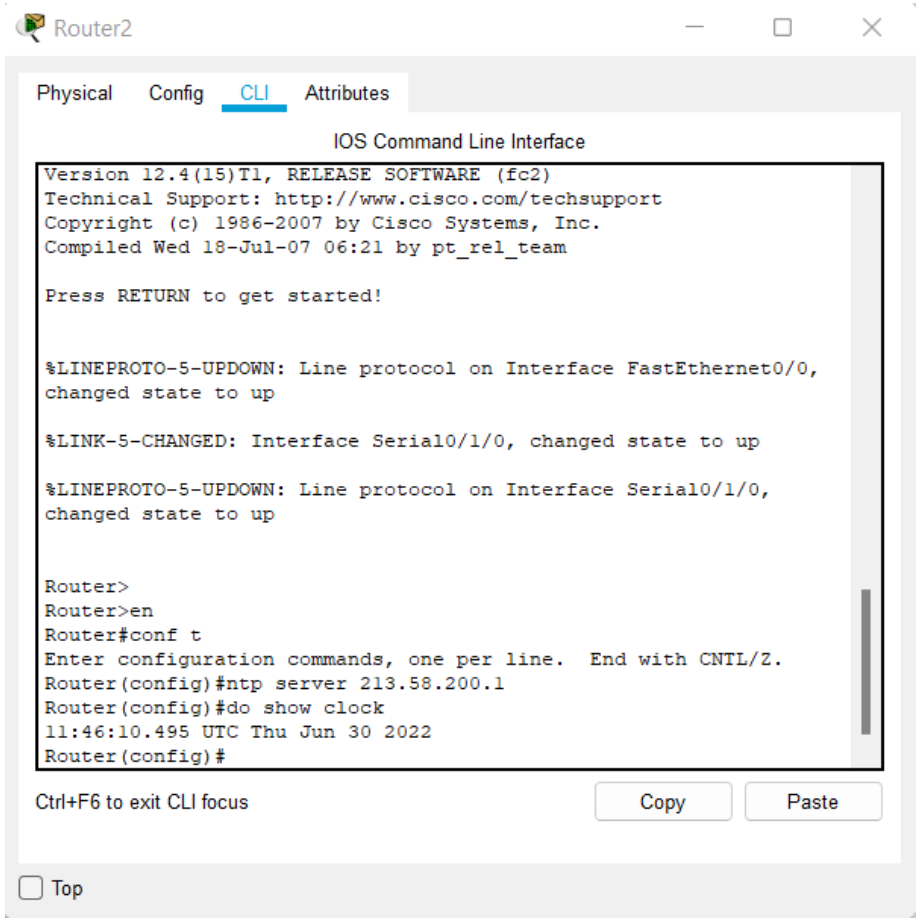
2018016615

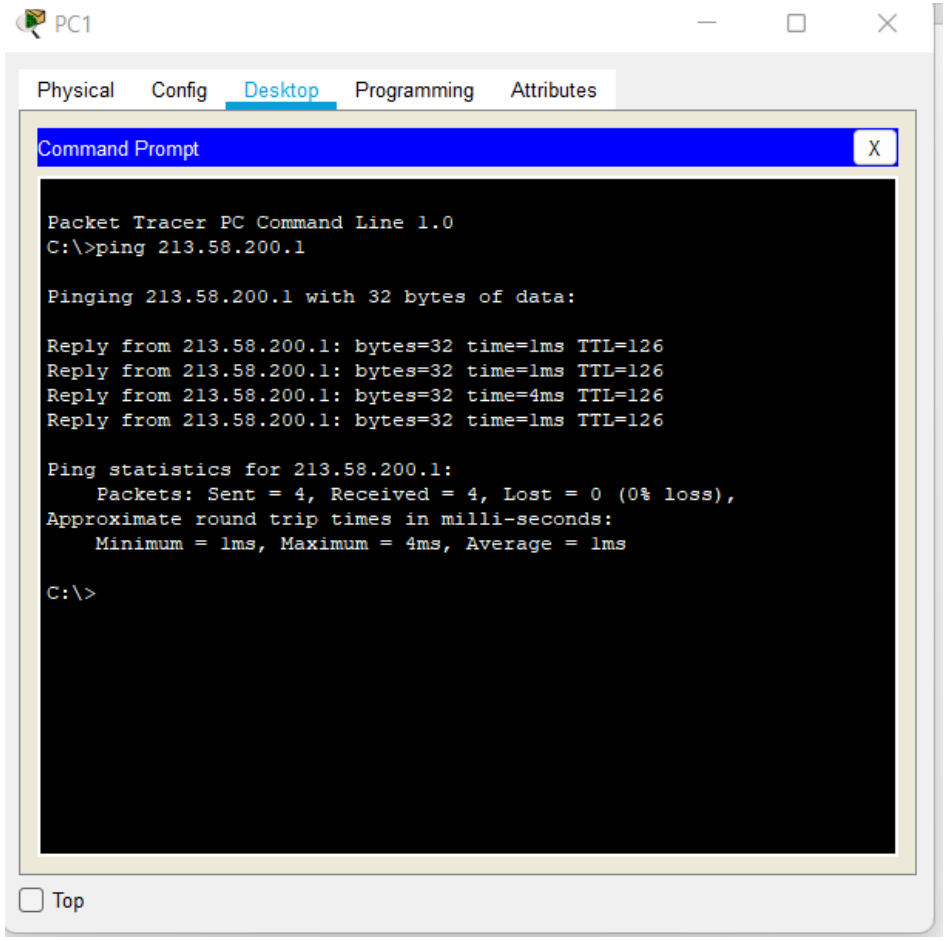
Pergunta 1


Router0
Physical
Config
CLI
Attributes
IOS Command Line Interface
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to up
Router>
Router>
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ntp server 213.58.200.1
Router(config)#do show clock
*0:7:11.195 UTC Mon Mar 1 1993
Router(config)#do show clock
*0:47:44.452 UTC Thu Jun 30 2022
Router(config)#do show clock
*0:48:5.911 UTC Thu Jun 30 2022
Router(config)#do show clock
0:49:14.398 UTC Thu Jun 30 2022
Router(config)#do show clock
11:46:21.929 UTC Thu Jun 30 2022
Router(config)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

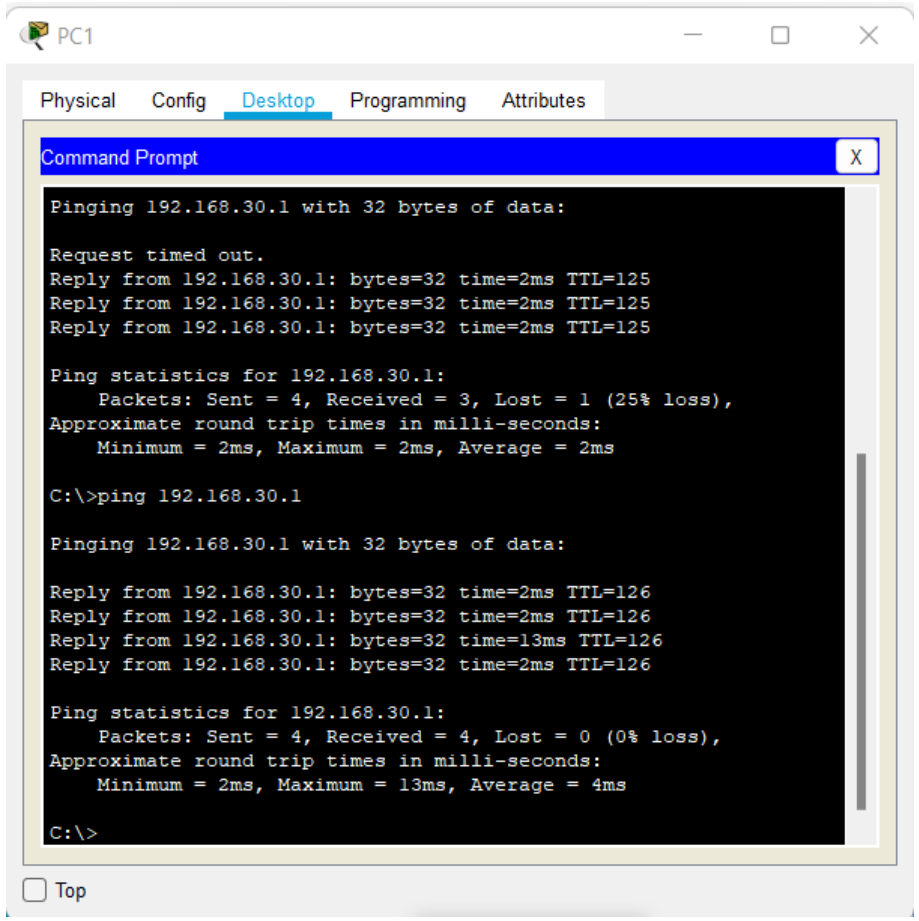

Router1
Physical
Config
CLI
Attributes
IOS Command Line Interface
Router(config)#ntp server 213.58.200.1
Router(config)#do show clock
*0:9:49.770 UTC Mon Mar 1 1993
Router(config)#
Router(config)#
Router(config)#
Router(config)#
Router(config)#do show clock
*0:9:53.200 UTC Mon Mar 1 1993
Router(config)#update calendar
^
% Invalid input detected at '^' marker.
Router(config)#do show clock
11:45:52.666 UTC Thu Jun 30 2022
Router(config)#do ping 213.58.200.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 213.58.200.1, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/5/8 ms
Router(config)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

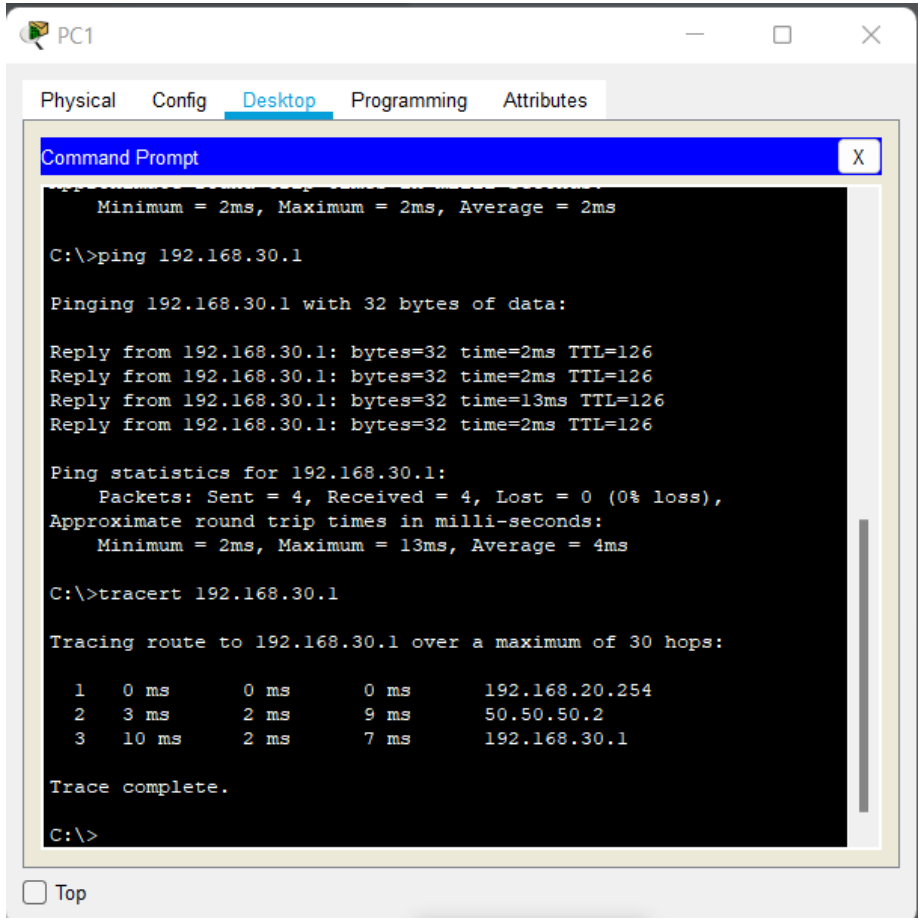
Pergunta 1


Router2
Physical
Config
CLI
Attributes
IOS Command Line Interface
Version 12.4(15)T1, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2007 by Cisco Systems, Inc.
Compiled Wed 18-Jul-07 06:21 by pt_rel_team
Press RETURN to get started!
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up
Router>
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ntp server 213.58.200.1
Router(config)#do show clock
11:46:10.495 UTC Thu Jun 30 2022
Router(config)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

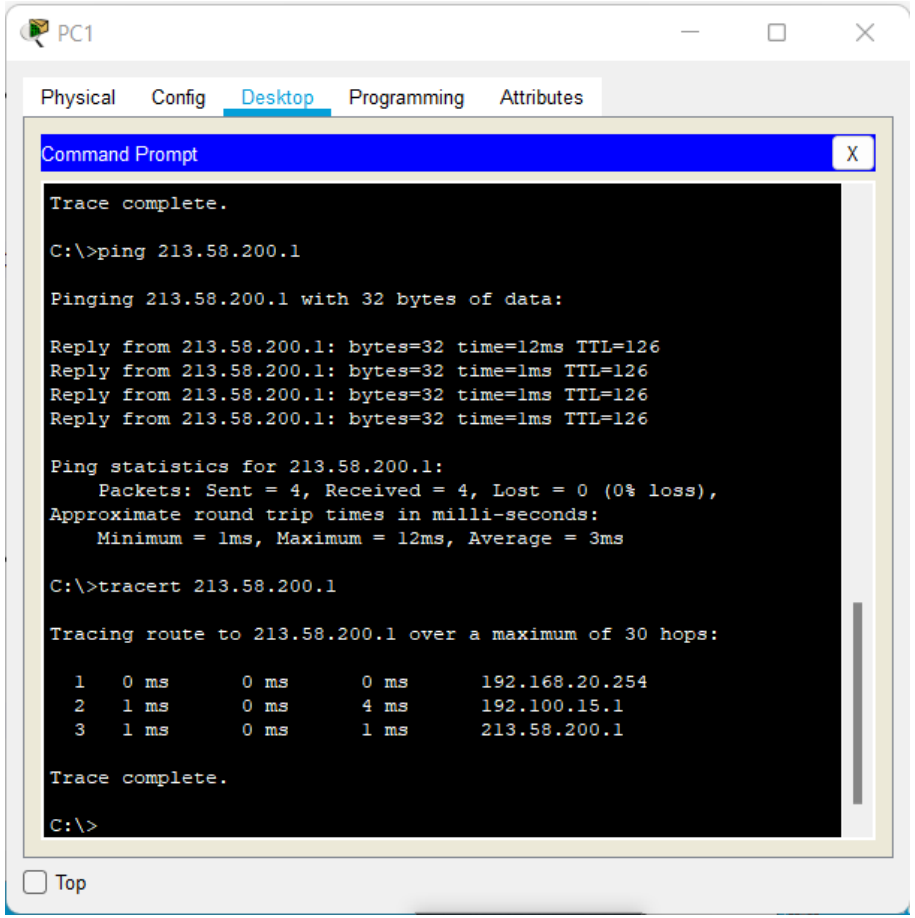

PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ping 213.58.200.1
Pinging 213.58.200.1 with 32 bytes of data:
Reply from 213.58.200.1: bytes=32 time=1ms TTL=126
Reply from 213.58.200.1: bytes=32 time=1ms TTL=126
Reply from 213.58.200.1: bytes=32 time=4ms TTL=126
Reply from 213.58.200.1: bytes=32 time=1ms TTL=126
Ping statistics for 213.58.200.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 4ms, Average = 1ms
C:\>
Top

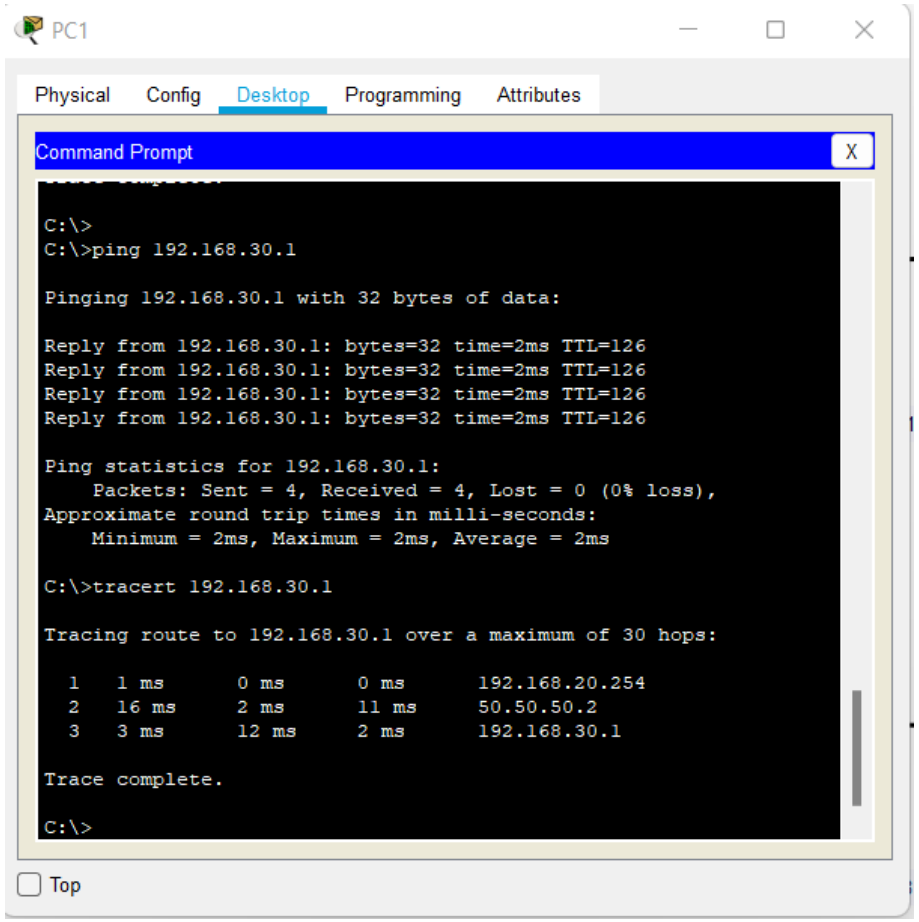
Pergunta 2


PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Pinging 192.168.30.1 with 32 bytes of data:
Request timed out.
Reply from 192.168.30.1: bytes=32 time=2ms TTL=125
Reply from 192.168.30.1: bytes=32 time=2ms TTL=125
Reply from 192.168.30.1: bytes=32 time=2ms TTL=125
Ping statistics for 192.168.30.1:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 2ms, Average = 2ms
C:\>ping 192.168.30.1
Pinging 192.168.30.1 with 32 bytes of data:
Reply from 192.168.30.1: bytes=32 time=2ms TTL=126
Reply from 192.168.30.1: bytes=32 time=2ms TTL=126
Reply from 192.168.30.1: bytes=32 time=13ms TTL=126
Reply from 192.168.30.1: bytes=32 time=2ms TTL=126
Ping statistics for 192.168.30.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 13ms, Average = 4ms
C:\>
Top

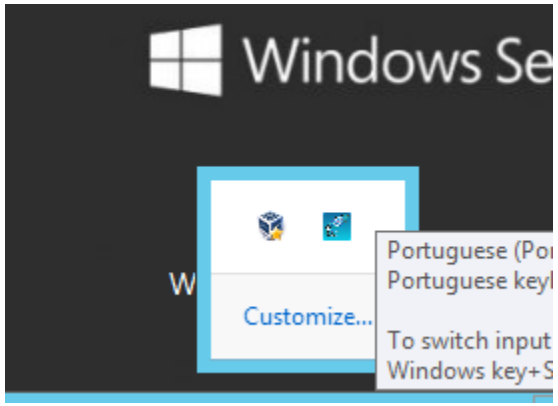

PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Minimum = 2ms, Maximum = 2ms, Average = 2ms
C:\>ping 192.168.30.1
Pinging 192.168.30.1 with 32 bytes of data:
Reply from 192.168.30.1: bytes=32 time=2ms TTL=126
Reply from 192.168.30.1: bytes=32 time=2ms TTL=126
Reply from 192.168.30.1: bytes=32 time=13ms TTL=126
Reply from 192.168.30.1: bytes=32 time=2ms TTL=126
Ping statistics for 192.168.30.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 13ms, Average = 4ms
C:\>tracert 192.168.30.1
Tracing route to 192.168.30.1 over a maximum of 30 hops:
1 0 ms 0 ms 0 ms 192.168.20.254
2 3 ms 2 ms 9 ms 50.50.50.2
3 10 ms 2 ms 7 ms 192.168.30.1
Trace complete.
C:\>
Top

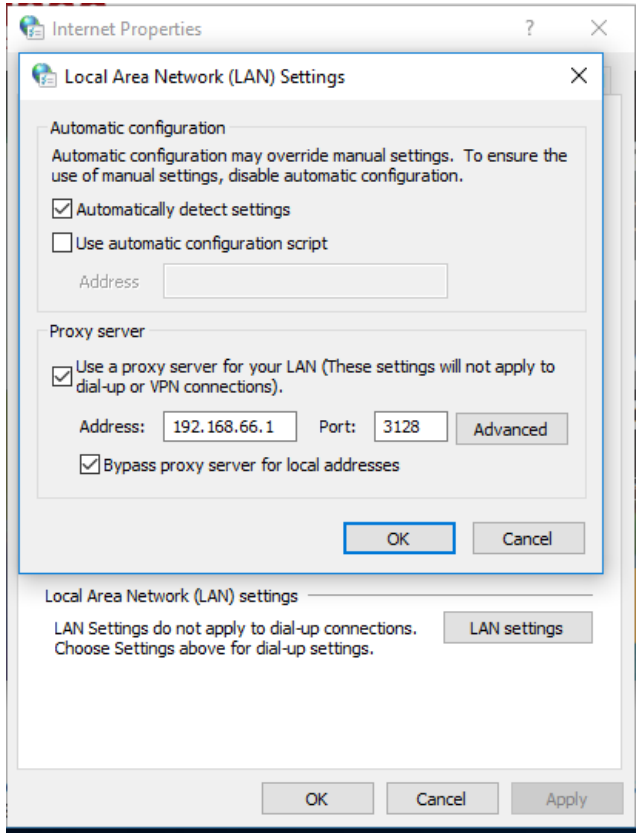
Pergunta 2

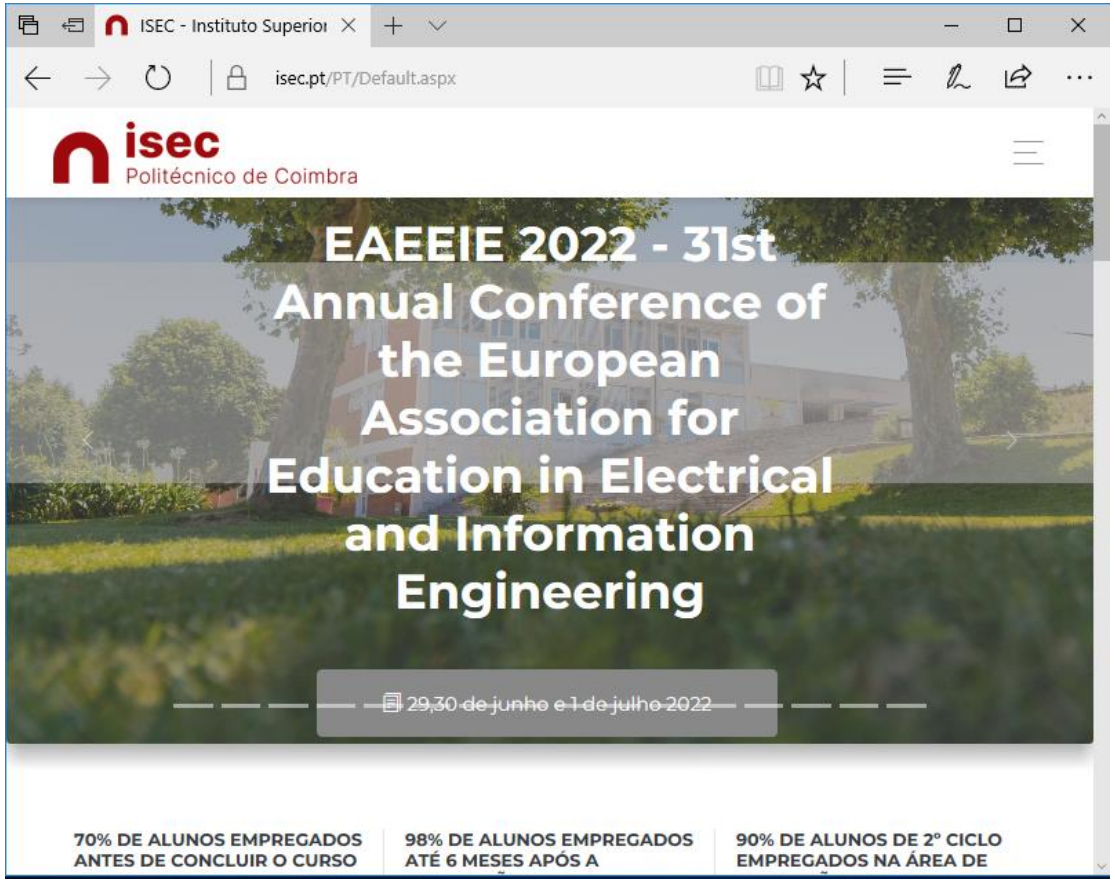

PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Trace complete.
C:\>ping 213.58.200.1
Pinging 213.58.200.1 with 32 bytes of data:
Reply from 213.58.200.1: bytes=32 time=12ms TTL=126
Reply from 213.58.200.1: bytes=32 time=1ms TTL=126
Reply from 213.58.200.1: bytes=32 time=1ms TTL=126
Reply from 213.58.200.1: bytes=32 time=1ms TTL=126
Ping statistics for 213.58.200.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 12ms, Average = 3ms
C:\>tracert 213.58.200.1
Tracing route to 213.58.200.1 over a maximum of 30 hops:
1 0 ms 0 ms 0 ms 192.168.20.254
2 1 ms 0 ms 4 ms 192.100.15.1
3 1 ms 0 ms 1 ms 213.58.200.1
Trace complete.
C:\>
Top


PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
C:\>
C:\>ping 192.168.30.1
Pinging 192.168.30.1 with 32 bytes of data:
Reply from 192.168.30.1: bytes=32 time=2ms TTL=126
Reply from 192.168.30.1: bytes=32 time=2ms TTL=126
Reply from 192.168.30.1: bytes=32 time=2ms TTL=126
Reply from 192.168.30.1: bytes=32 time=2ms TTL=126
Ping statistics for 192.168.30.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 2ms, Average = 2ms
C:\>tracert 192.168.30.1
Tracing route to 192.168.30.1 over a maximum of 30 hops:
1 1 ms 0 ms 0 ms 192.168.20.254
2 16 ms 2 ms 11 ms 50.50.50.2
3 3 ms 12 ms 2 ms 192.168.30.1
Trace complete.
C:\>
Top

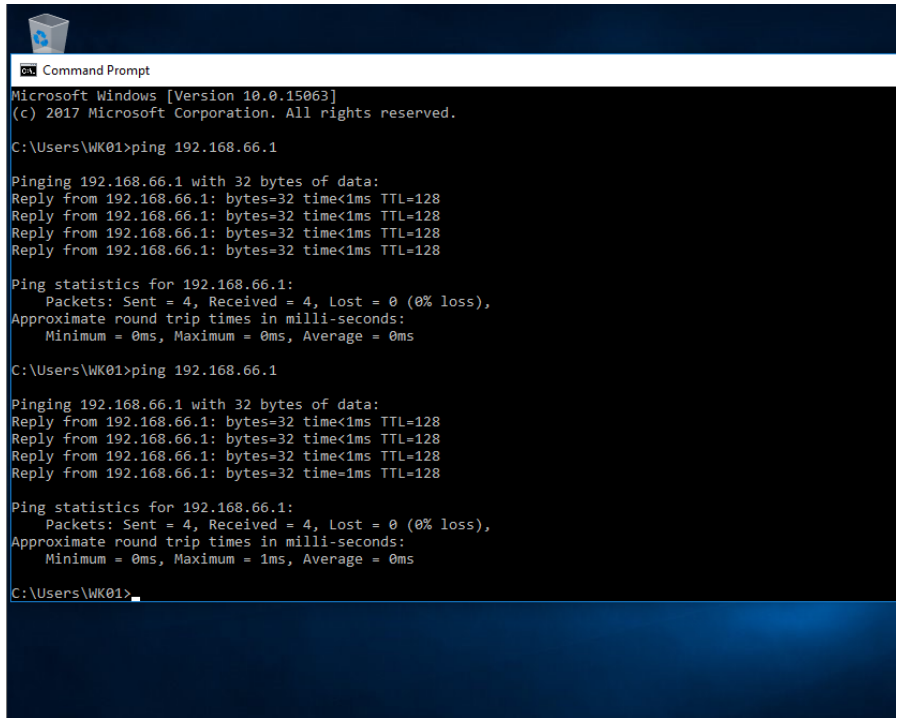
Pergunta 3 - a


Windows Se
Customize...
Portuguese (Po
Portuguese keyl
To switch input
Windows key+S


Internet Properties
Local Area Network (LAN) Settings
Automatic configuration
Automatic configuration may override manual settings. To ensure the use of manual settings, disable automatic configuration.
Automatically detect settings
Use automatic configuration script
Address
Proxy server
Use a proxy server for your LAN (These settings will not apply to dial-up or VPN connections).
Address: 192.168.66.1
Port: 3128
Advanced
Bypass proxy server for local addresses
OK
Cancel
Local Area Network (LAN) settings
LAN Settings do not apply to dial-up connections. Choose Settings above for dial-up settings.
LAN settings
OK
Cancel
Apply

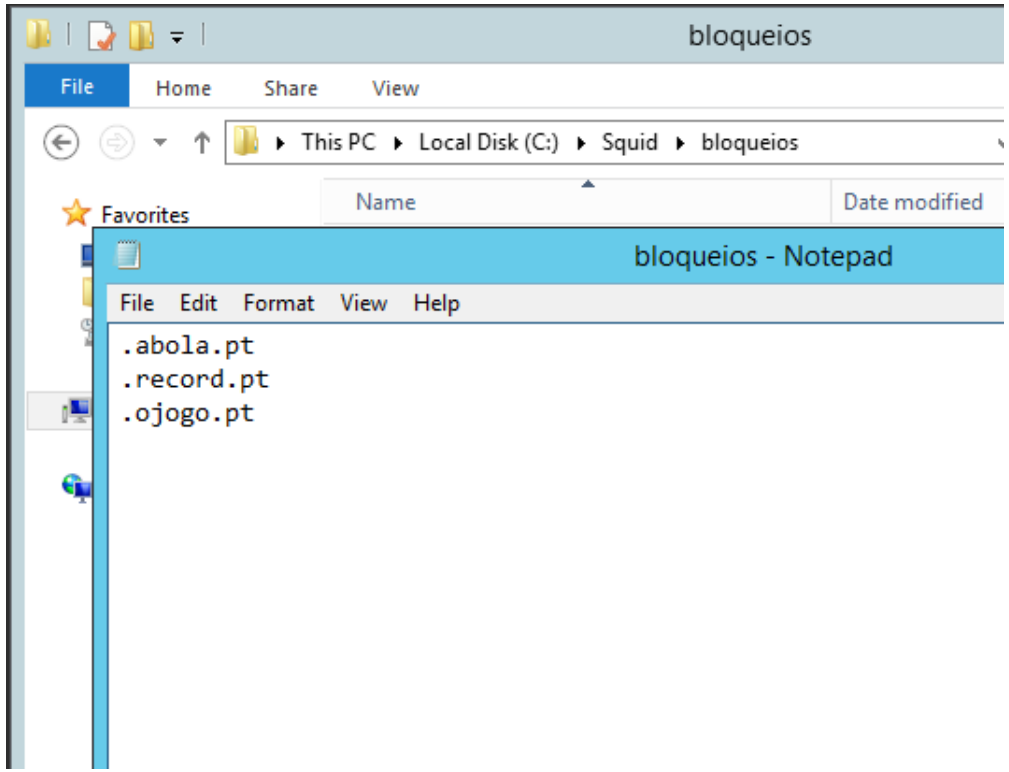

ISEC - Instituto Superior
isec.pt/PT/Default.aspx
isec
Politécnico de Coimbra
EAEEIE 2022 - 31st Annual Conference of the European Association for Education in Electrical and Information Engineering
29,30 de junho e 1 de julho 2022
70% DE ALUNOS EMPREGADOS ANTES DE CONCLUIR O CURSO
98% DE ALUNOS EMPREGADOS ATÉ 6 MESES APÓS A
90% DE ALUNOS DE 2º CICLO EMPREGADOS NA ÁREA DE

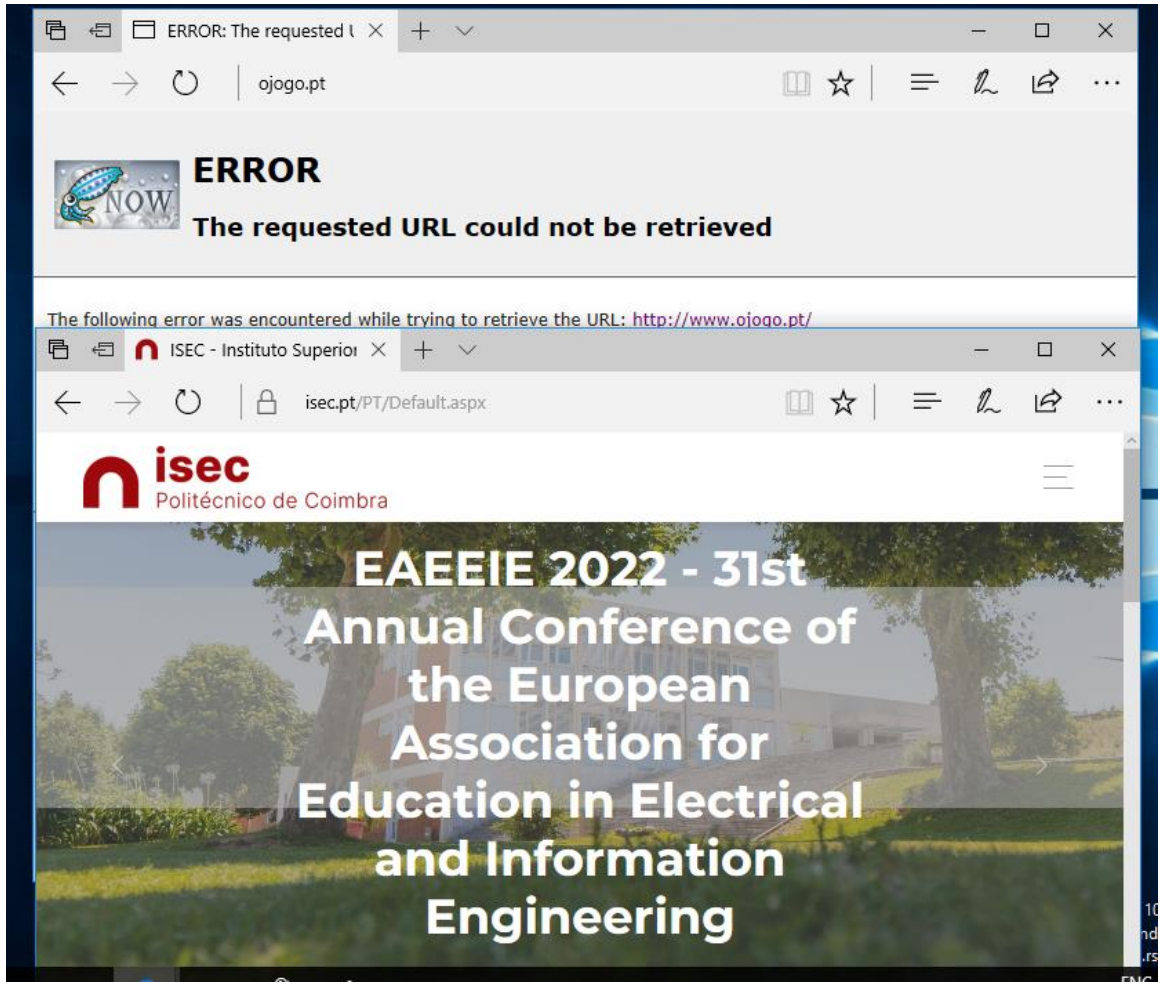
Pergunta 3 - a


Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.
C:\Users\WK01>ping 192.168.66.1
Pinging 192.168.66.1 with 32 bytes of data:
Reply from 192.168.66.1: bytes=32 time<1ms TTL=128
Reply from 192.168.66.1: bytes=32 time<1ms TTL=128
Reply from 192.168.66.1: bytes=32 time<1ms TTL=128
Reply from 192.168.66.1: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.66.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\Users\WK01>ping 192.168.66.1
Pinging 192.168.66.1 with 32 bytes of data:
Reply from 192.168.66.1: bytes=32 time<1ms TTL=128
Reply from 192.168.66.1: bytes=32 time<1ms TTL=128
Reply from 192.168.66.1: bytes=32 time<1ms TTL=128
Reply from 192.168.66.1: bytes=32 time=1ms TTL=128
Ping statistics for 192.168.66.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\Users\WK01>

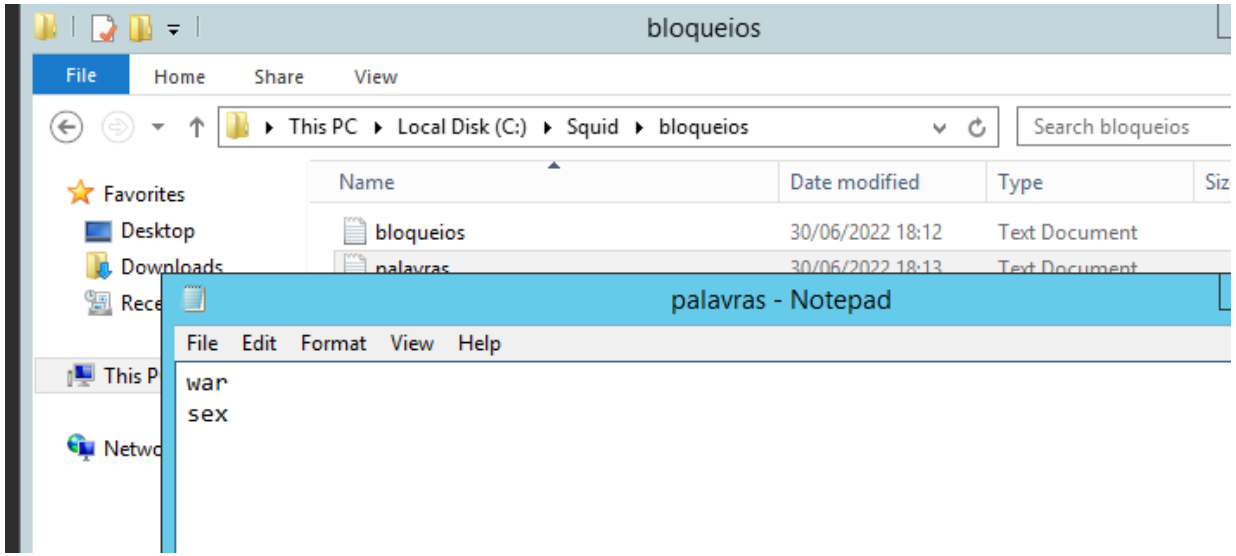
Pergunta 3 - b

```
acl bloqueio dstdomain "C:\Squid\bloqueios\bloqueios.txt"
http_access deny bloqueio
```

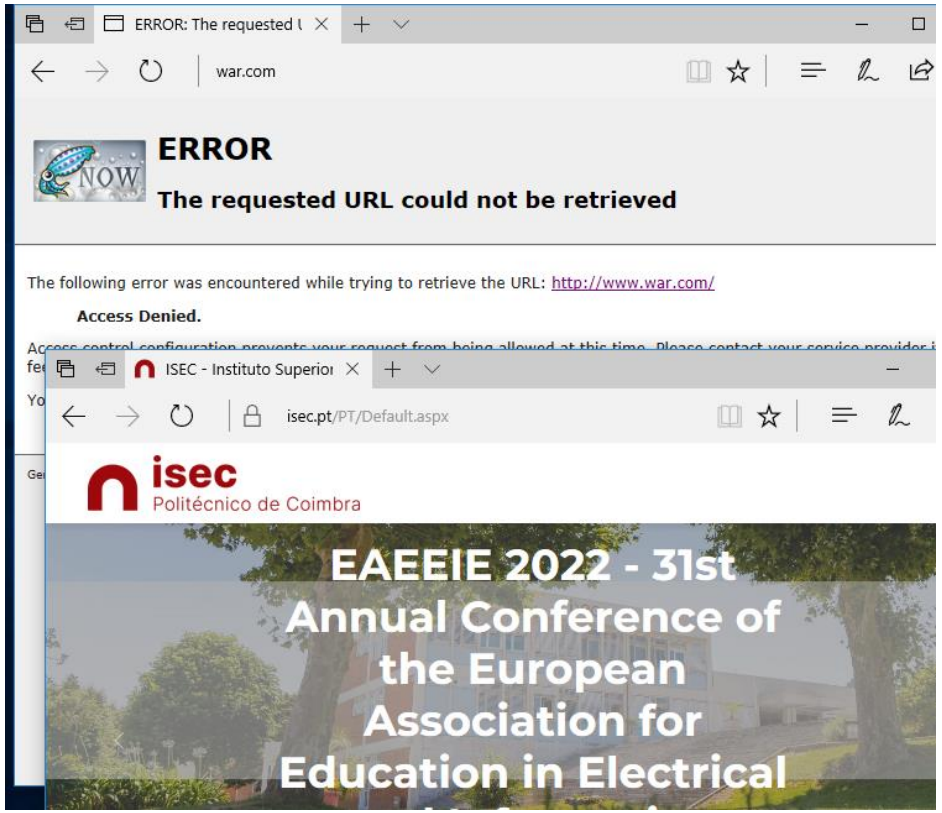




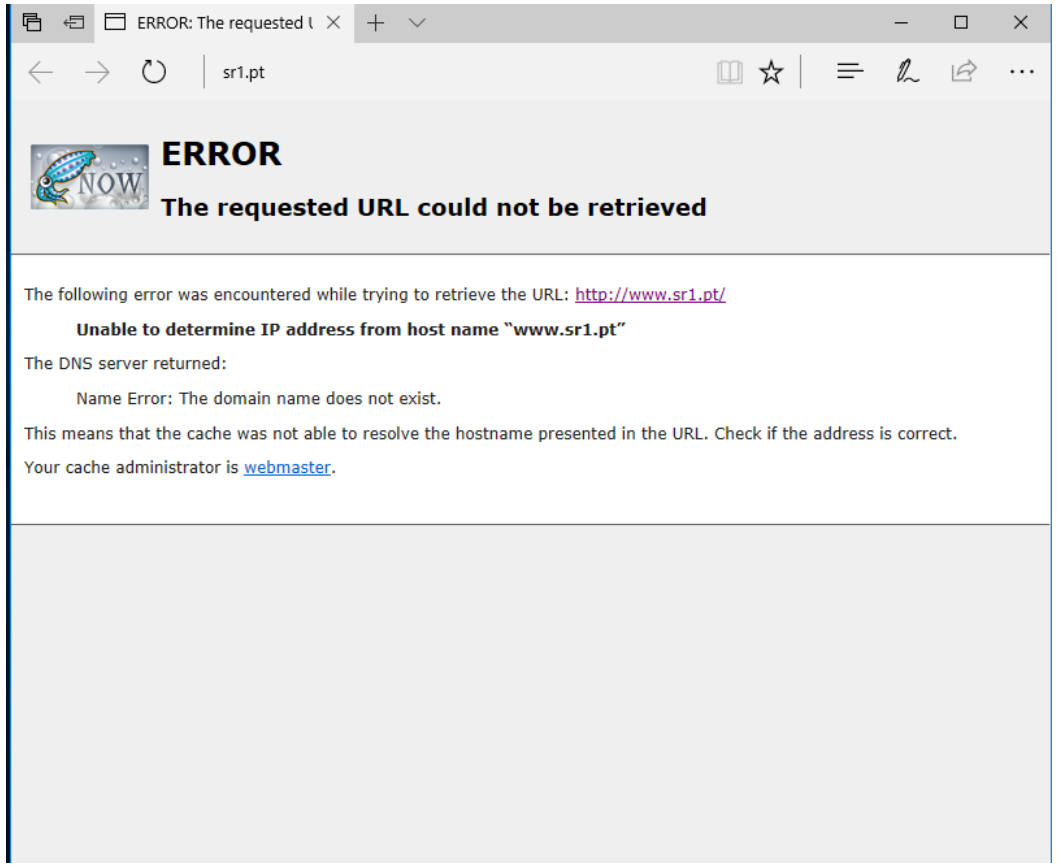
Pergunta 3 - c

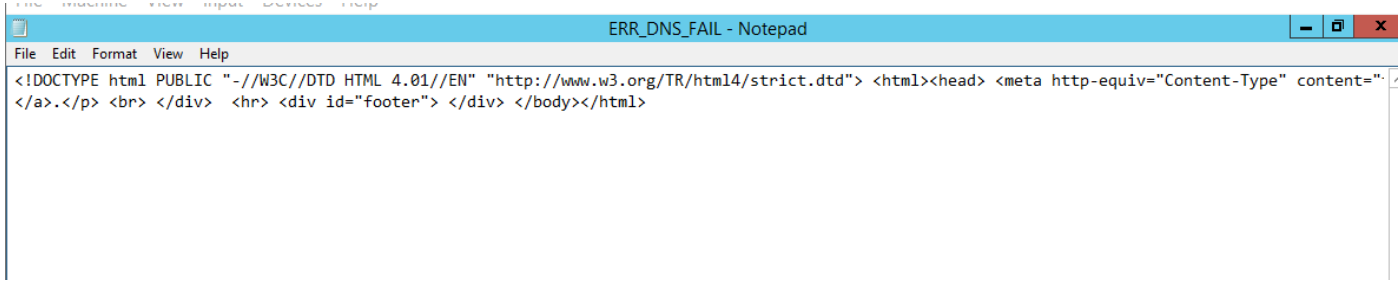



```
acl palavras url_regex -i "C:\Squid\bloqueios\palavras.txt"
http_access deny palavras
```

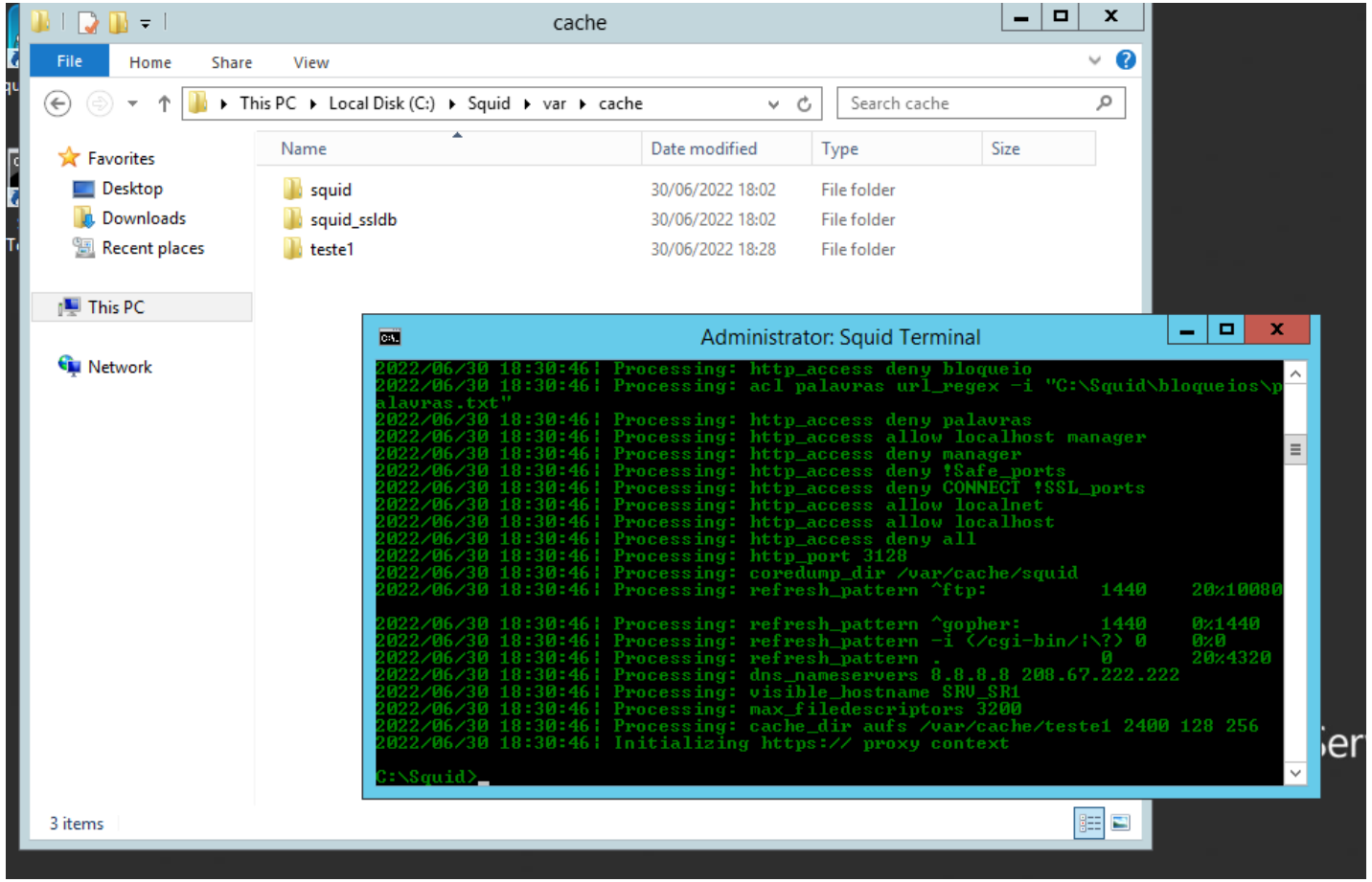


Pergunta 3 - d

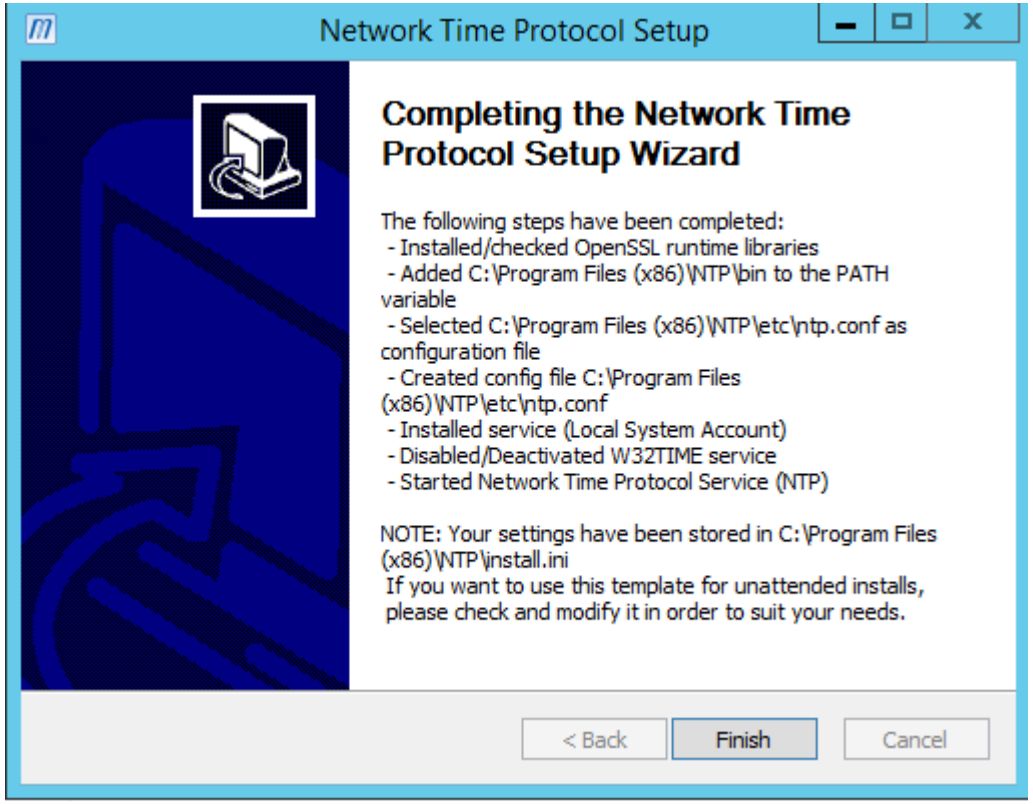

ERROR: The requested
sr1.pt
ERROR
The requested URL could not be retrieved
The following error was encountered while trying to retrieve the URL: http://www.sr1.pt/
Unable to determine IP address from host name "www.sr1.pt"
The DNS server returned:
Name Error: The domain name does not exist.
This means that the cache was not able to resolve the hostname presented in the URL. Check if the address is correct.
Your cache administrator is webmaster.

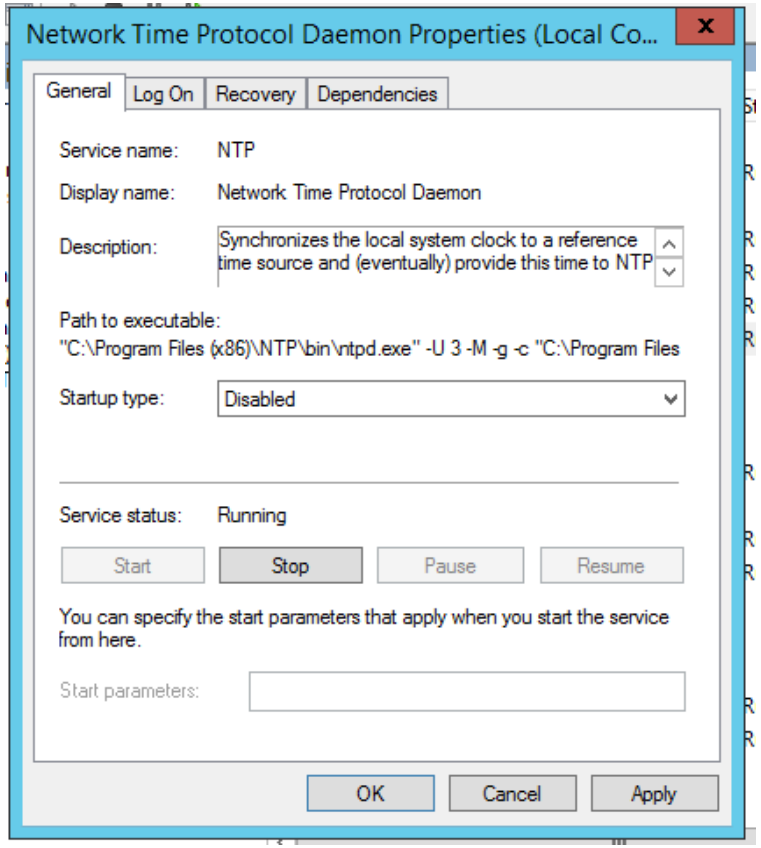

ERR_DNS_FAIL - Notepad
File Edit Format View Help
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd"> <html><head> <meta http-equiv="Content-Type" content="
.</p>
  <hr>   </body></html>

Pergunta 3 - e

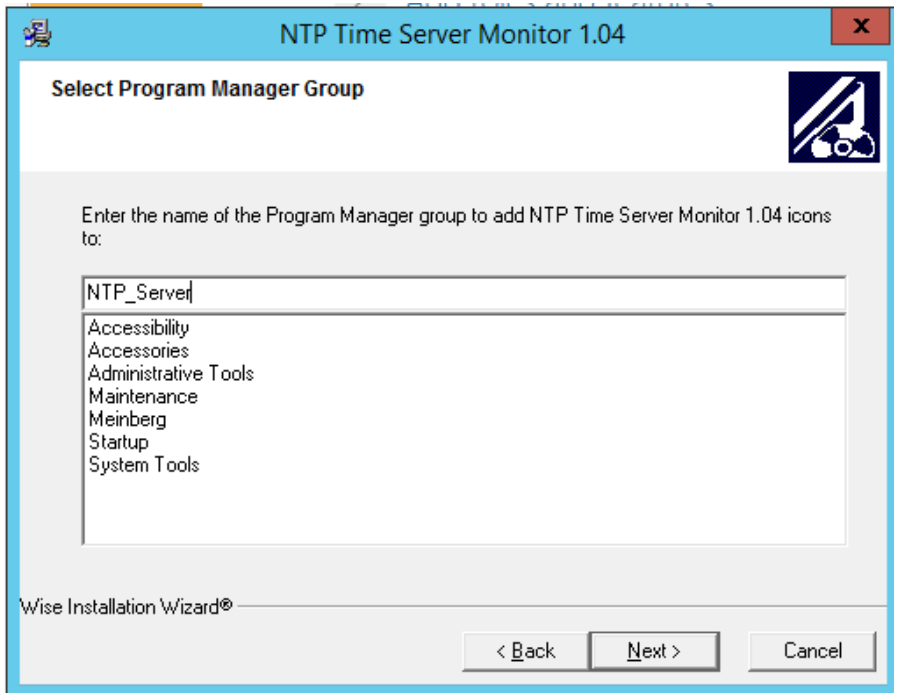

cache
File
Home
Share
View
This PC ▸ Local Disk (C:) ▸ Squid ▸ var ▸ cache
Search cache
Favorites
Desktop
Downloads
Recent places
This PC
Network
Name
Date modified
Type
Size
squid
30/06/2022 18:02
File folder
squid_ssldb
30/06/2022 18:02
File folder
teste1
30/06/2022 18:28
File folder
3 items
Administrator: Squid Terminal
2022/06/30 18:30:46| Processing: http_access deny bloqueio
2022/06/30 18:30:46| Processing: acl palavras url_regex -i "C:\Squid\bloqueios\palavras.txt"
2022/06/30 18:30:46| Processing: http_access deny palavras
2022/06/30 18:30:46| Processing: http_access allow localhost manager
2022/06/30 18:30:46| Processing: http_access deny manager
2022/06/30 18:30:46| Processing: http_access deny !Safe_ports
2022/06/30 18:30:46| Processing: http_access deny CONNECT !SSL_ports
2022/06/30 18:30:46| Processing: http_access allow localnet
2022/06/30 18:30:46| Processing: http_access allow localhost
2022/06/30 18:30:46| Processing: http_access deny all
2022/06/30 18:30:46| Processing: http_port 3128
2022/06/30 18:30:46| Processing: coredump_dir /var/cache/squid
2022/06/30 18:30:46| Processing: refresh_pattern ^ftp: 1440 20% 10080
2022/06/30 18:30:46| Processing: refresh_pattern ^gopher: 1440 0% 1440
2022/06/30 18:30:46| Processing: refresh_pattern -i (/cgi-bin/|\?) 0 0% 0
2022/06/30 18:30:46| Processing: refresh_pattern . 0 20% 4320
2022/06/30 18:30:46| Processing: dns_nameservers 8.8.8.8 208.67.222.222
2022/06/30 18:30:46| Processing: visible_hostname $RV_SR1
2022/06/30 18:30:46| Processing: max_filedescriptors 3200
2022/06/30 18:30:46| Processing: cache_dir aufs /var/cache/teste1 2400 128 256
2022/06/30 18:30:46| Initializing https:// proxy context
C:\Squid>

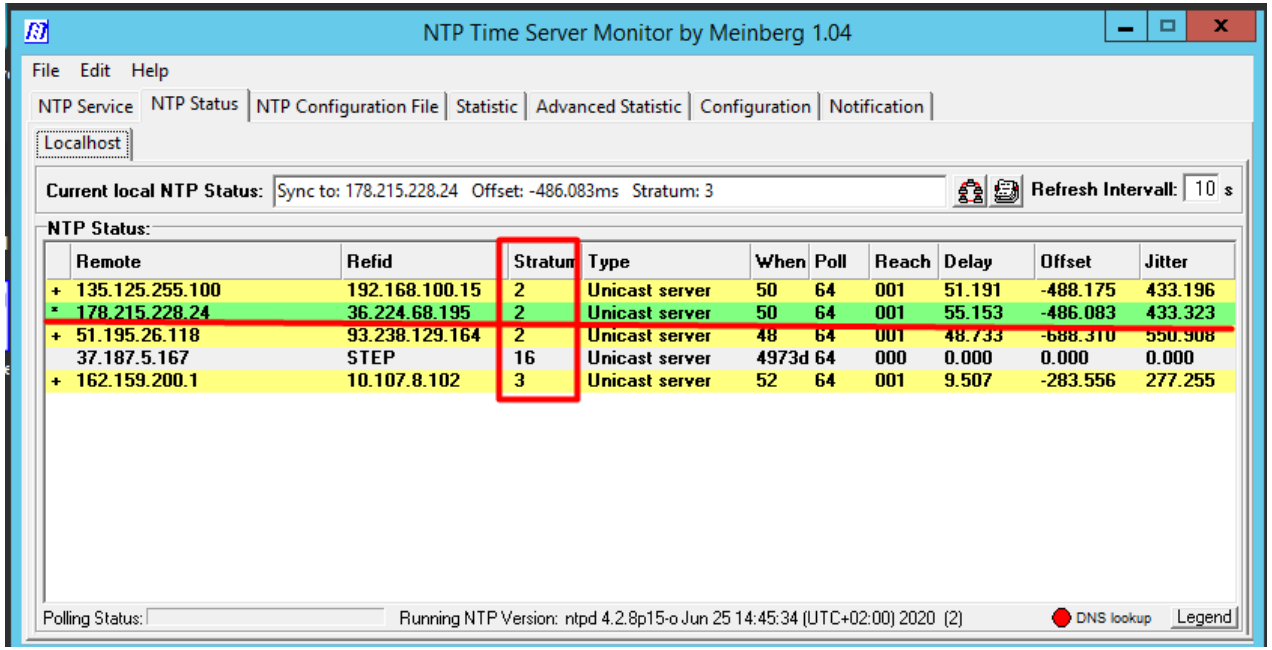
Pergunta 4 - a


Network Time Protocol Setup
Completing the Network Time Protocol Setup Wizard
The following steps have been completed:
- Installed/checked OpenSSL runtime libraries
- Added C:\Program Files (x86)\NTP\bin to the PATH variable
- Selected C:\Program Files (x86)\NTP\etc\ntp.conf as configuration file
- Created config file C:\Program Files (x86)\NTP\etc\ntp.conf
- Installed service (Local System Account)
- Disabled/Deactivated W32TIME service
- Started Network Time Protocol Service (NTP)
NOTE: Your settings have been stored in C:\Program Files (x86)\NTP\install.ini
If you want to use this template for unattended installs, please check and modify it in order to suit your needs.
< Back
Finish
Cancel

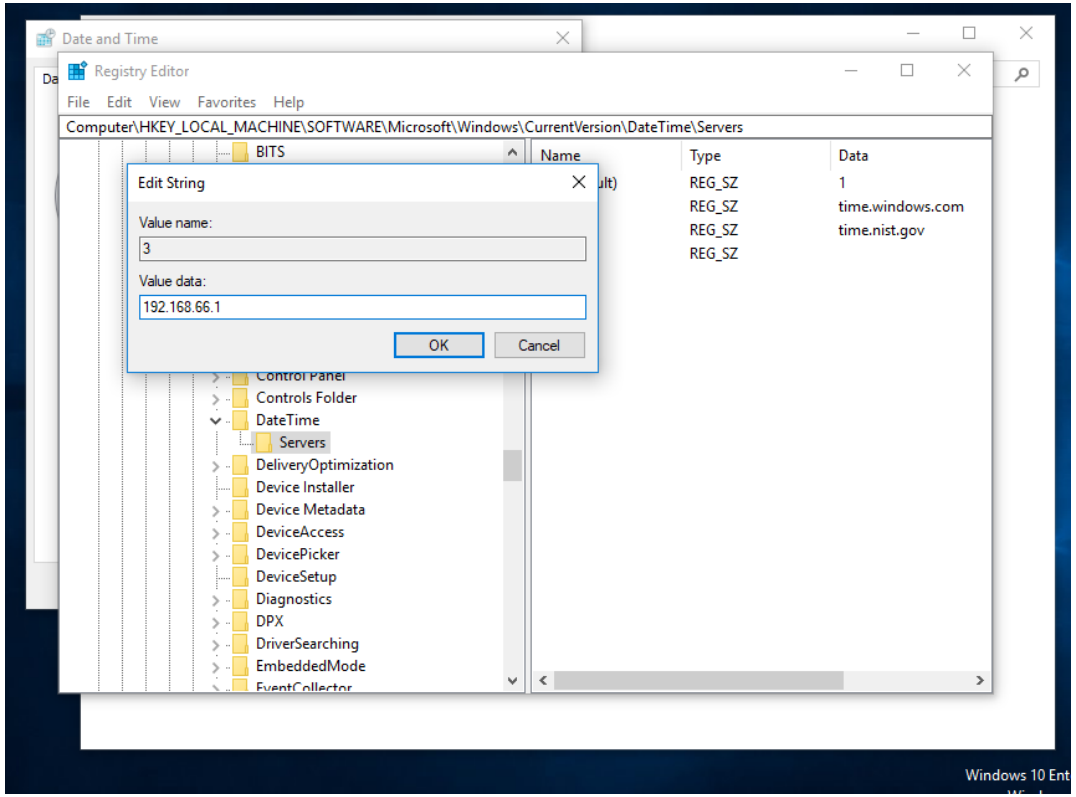

Network Time Protocol Daemon Properties (Local Co...
General
Log On
Recovery
Dependencies
Service name: NTP
Display name: Network Time Protocol Daemon
Description: Synchronizes the local system clock to a reference time source and (eventually) provide this time to NTP
Path to executable:
"C:\Program Files (x86)\NTP\bin\ntpd.exe" -U 3 -M -g -c "C:\Program Files
Startup type: Disabled
Service status: Running
Start
Stop
Pause
Resume
You can specify the start parameters that apply when you start the service from here.
Start parameters:
OK
Cancel
Apply

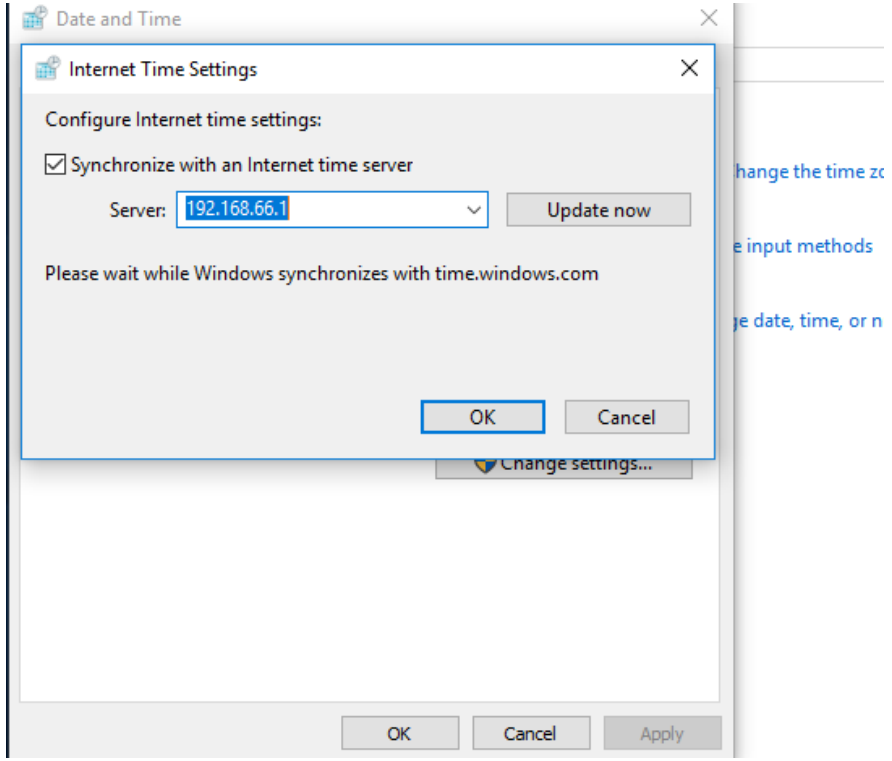
Pergunta 4 - b


NTP Time Server Monitor 1.04
Select Program Manager Group
Enter the name of the Program Manager group to add NTP Time Server Monitor 1.04 icons to:
NTP_Server
Accessibility
Accessories
Administrative Tools
Maintenance
Meinberg
Startup
System Tools
Wise Installation Wizard®
< Back
Next >
Cancel


NTP Time Server Monitor by Meinberg 1.04
File Edit Help
NTP Service
NTP Status
NTP Configuration File
Statistic
Advanced Statistic
Configuration
Notification
Localhost
Current local NTP Status: Sync to: 178.215.228.24 Offset: -486.083ms Stratum: 3
Refresh Intervall: 10 s
NTP Status:
Remote Refid Stratum Type When Poll Reach Delay Offset Jitter
+ 135.125.255.100 192.168.100.15 2 Unicast server 50 64 001 51.191 -488.175 433.196
* 178.215.228.24 36.224.68.195 2 Unicast server 50 64 001 55.153 -486.083 433.323
+ 51.195.26.118 93.238.129.164 2 Unicast server 48 64 001 48.733 -688.310 550.908
37.187.5.167 STEP 16 Unicast server 4973d 64 000 0.000 0.000 0.000
+ 162.159.200.1 10.107.8.102 3 Unicast server 52 64 001 9.507 -283.556 277.255
Polling Status:
Running NTP Version: ntpd 4.2.8p15-o Jun 25 14:45:34 (UTC+02:00) 2020 (2)
DNS lookup
Legend

Pergunta 4 - e


Date and Time
Registry Editor
File Edit View Favorites Help
Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\DateTime\Servers
BITS
Edit String
Value name:
3
Value data:
192.168.66.1
OK
Cancel
Control Panel
Controls Folder
DateTime
Servers
DeliveryOptimization
Device Installer
Device Metadata
DeviceAccess
DevicePicker
DeviceSetup
Diagnostics
DPX
DriverSearching
EmbeddedMode
Name
Type
Data
REG_SZ
1
REG_SZ
time.windows.com
REG_SZ
time.nist.gov
REG_SZ
Windows 10 Ent


Date and Time
Internet Time Settings
Configure Internet time settings:
Synchronize with an Internet time server
Server:
192.168.66.1
Update now
Please wait while Windows synchronizes with time.windows.com
OK
Cancel
Change settings...
OK
Cancel
Apply
hange the time zo
e input methods
e date, time, or n