

Pontifícia Universidade Católica de Minas Gerais



PUC Minas

Laboratório de Redes e Sistemas Operacionais

Trabalho 02

Alunos

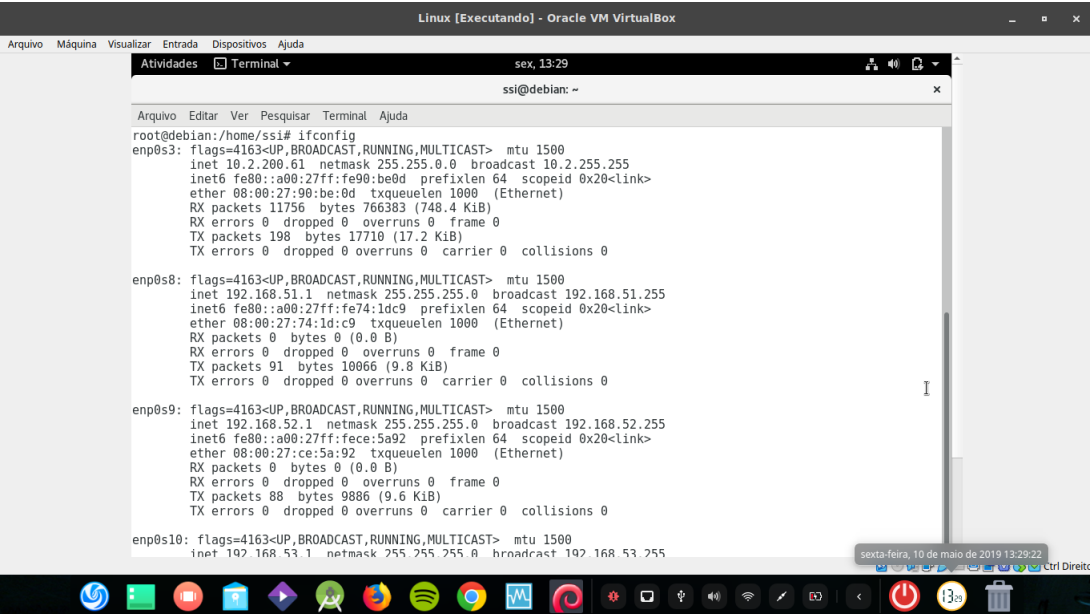
Geovane Fonseca de Sousa Santos
Luigi Domenico Cecchini Soares

Professor

Marco Antonio da Silva Barbosa

Belo Horizonte, 12 de Maio de 2019

1 Linux



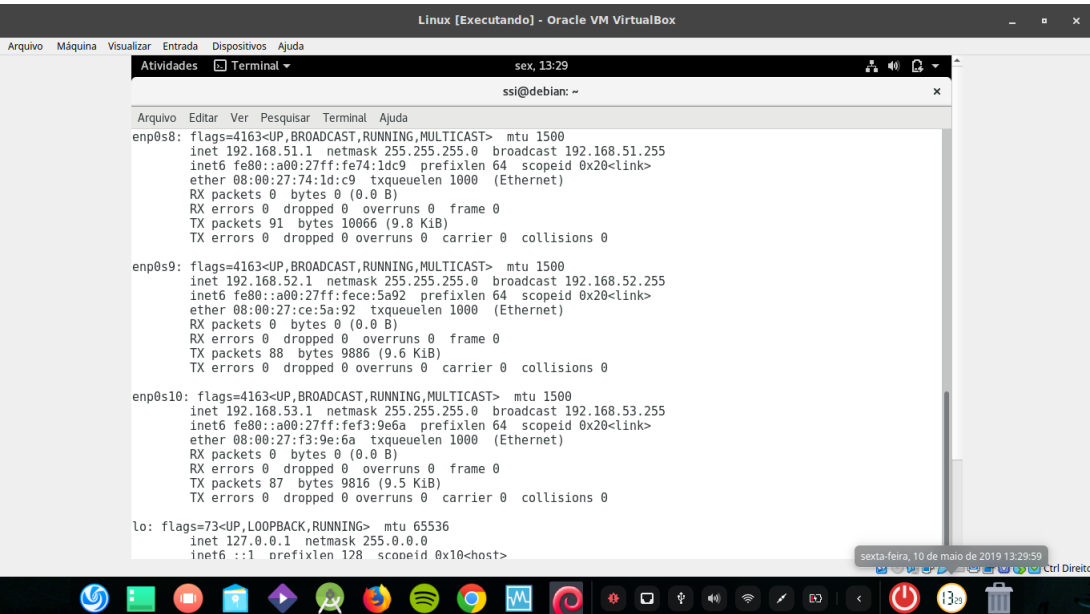
```
root@debian:/home/ssi# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.2.200.61 netmask 255.255.0.0 broadcast 10.2.255.255
    inet6 fe80::a00:27ff:fe90:be0d prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:90:be:0d txqueuelen 1000 (Ethernet)
    RX packets 11756 bytes 766383 (748.4 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 198 bytes 17710 (17.2 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.51.1 netmask 255.255.255.0 broadcast 192.168.51.255
    inet6 fe80::a00:27ff:fe74:1dc9 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:74:1d:c9 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 91 bytes 10066 (9.8 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s9: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.52.1 netmask 255.255.255.0 broadcast 192.168.52.255
    inet6 fe80::a00:27ff:fece:5a92 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:ce:5a:92 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 88 bytes 9886 (9.6 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s10: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.53.1 netmask 255.255.255.0 broadcast 192.168.53.255
```

Figura 1: Configuração das quatro interfaces no Linux



```
enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.51.1 netmask 255.255.255.0 broadcast 192.168.51.255
    inet6 fe80::a00:27ff:fe74:1dc9 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:74:1d:c9 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 91 bytes 10066 (9.8 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s9: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.52.1 netmask 255.255.255.0 broadcast 192.168.52.255
    inet6 fe80::a00:27ff:fece:5a92 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:ce:5a:92 txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 88 bytes 9886 (9.6 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s10: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.53.1 netmask 255.255.255.0 broadcast 192.168.53.255
    inet6 fe80::a00:27ff:fef3:9e6a prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:f3:9e:6a txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 87 bytes 9816 (9.5 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
```

Figura 2: Configuração das quatro interfaces no Linux (continuação)

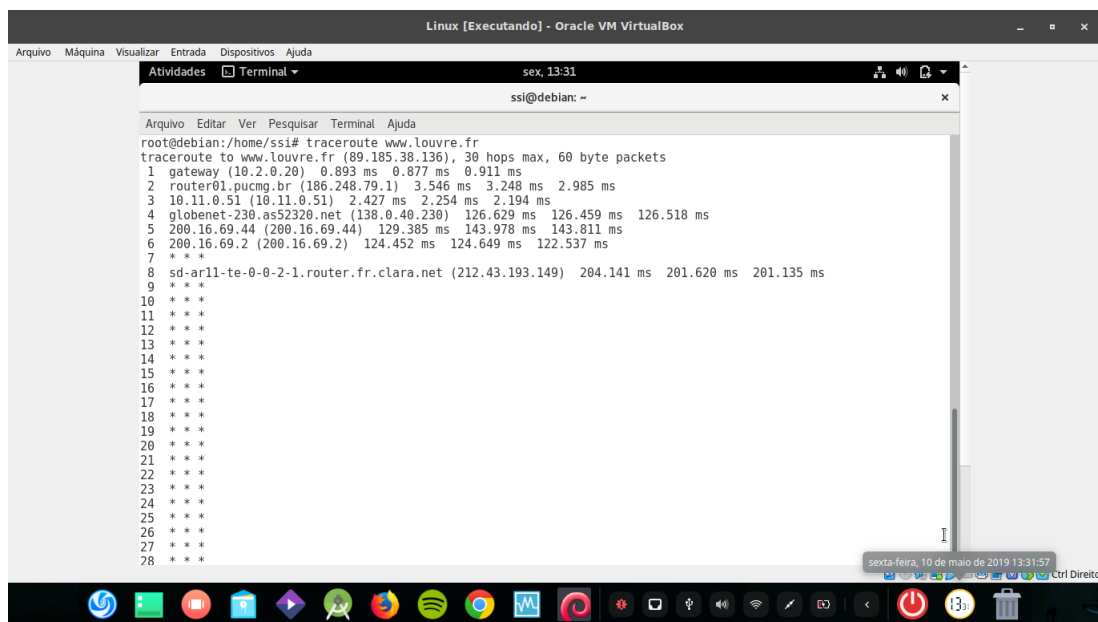


Figura 3: Traceroute para o site **www.louvre.fr**, comprovando o acesso à internet

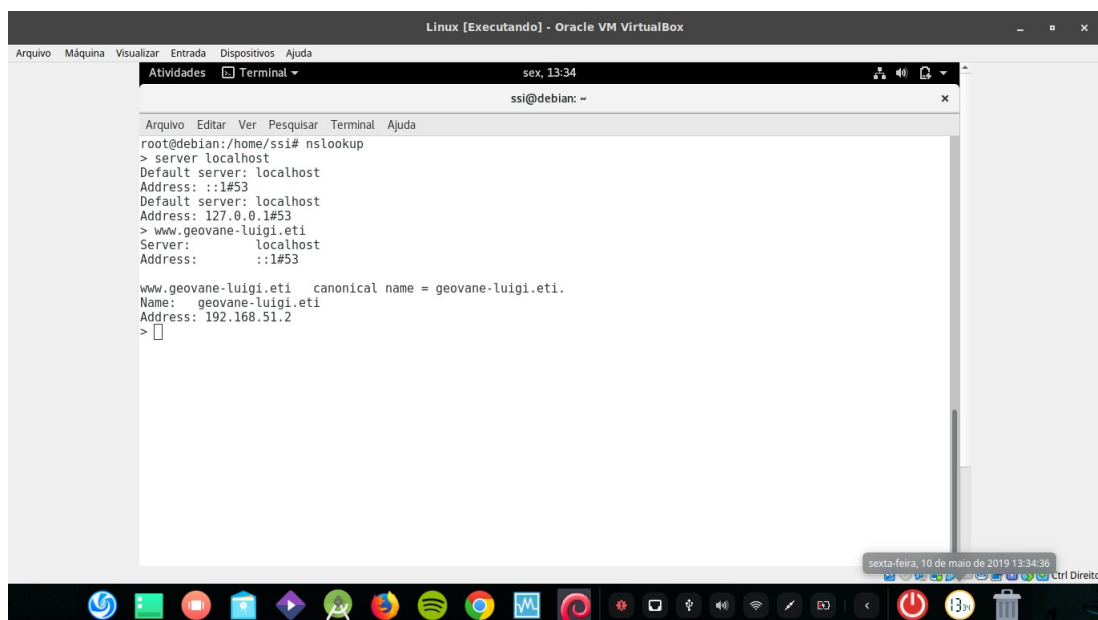


Figura 4: Resultado do comando nslookup, comprovando a tradução do endereço **www.geovane-luigi.eti**

2 Estação Windows A

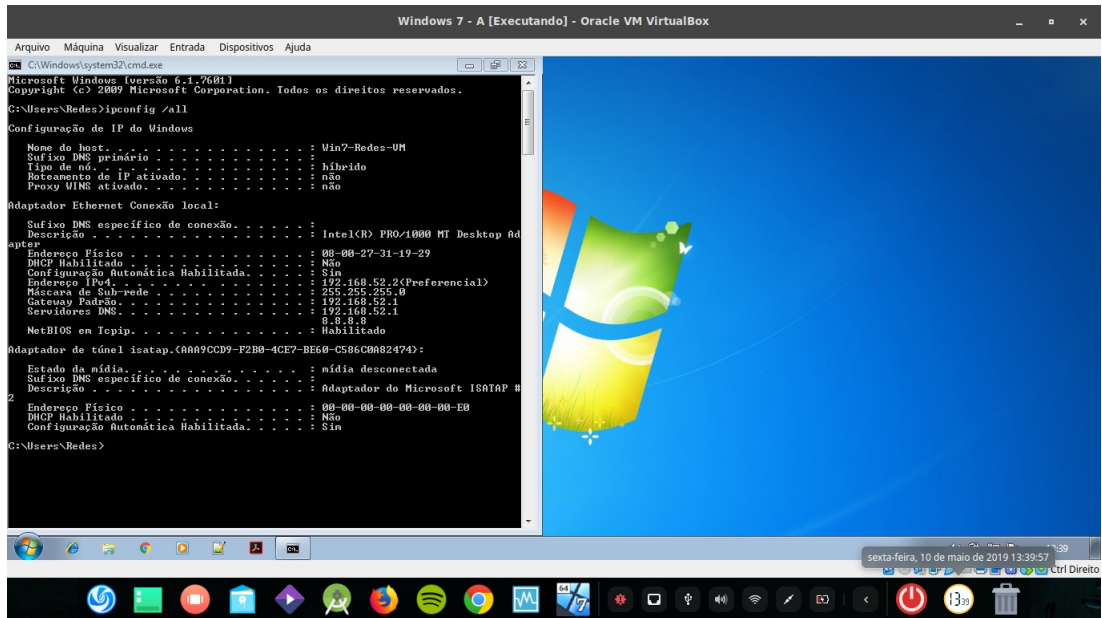


Figura 5: Resultado do comando `ipconfig /all`

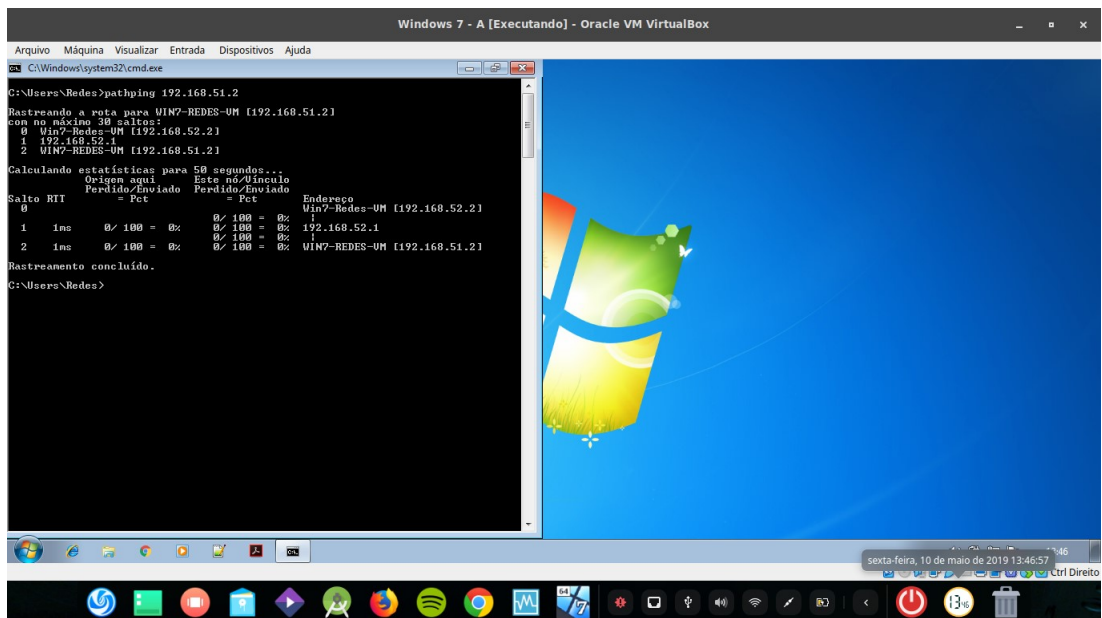


Figura 6: Resultado do comando `pathping` para a estação Windows 7 com o XAMPP

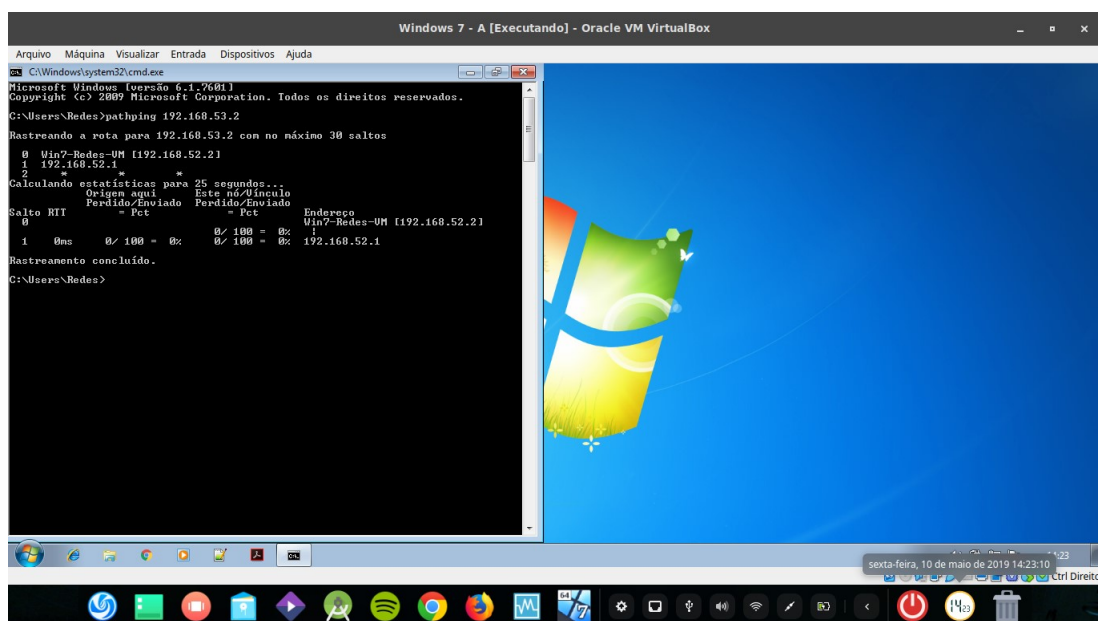


Figura 7: Resultado do comando **pathping** para a estação Windows 7 na rede B

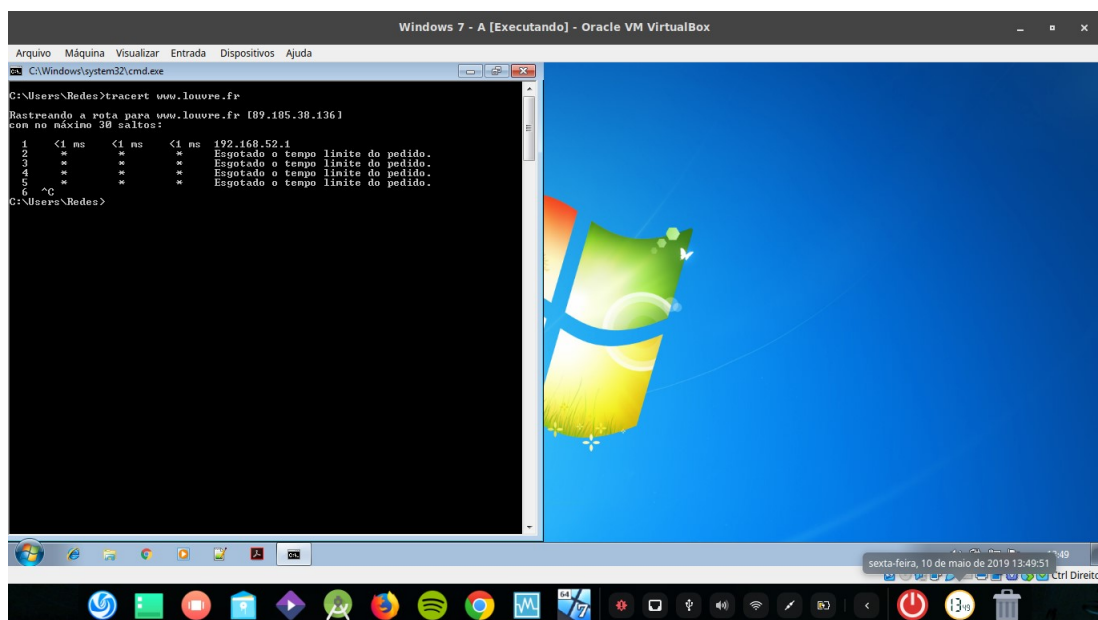


Figura 8: Resultado do comando **tracert** para o endereço **www.louvre.fr**

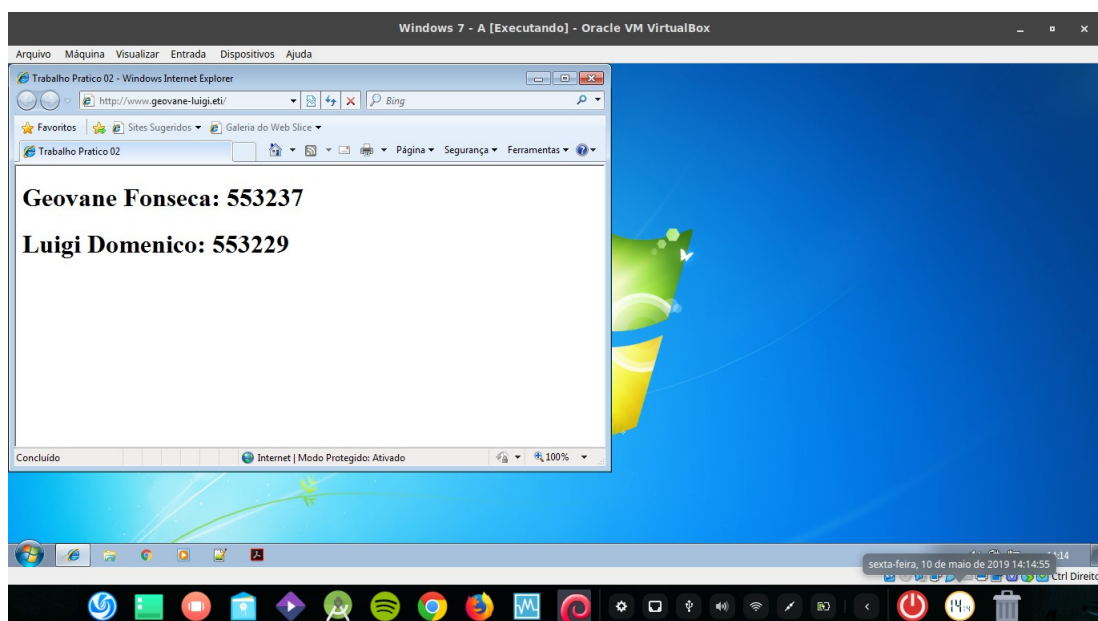


Figura 9: Tela do Internet Explorer mostrando a página web da estação Windows 7 com o XAMPP

3 Estação Windows B

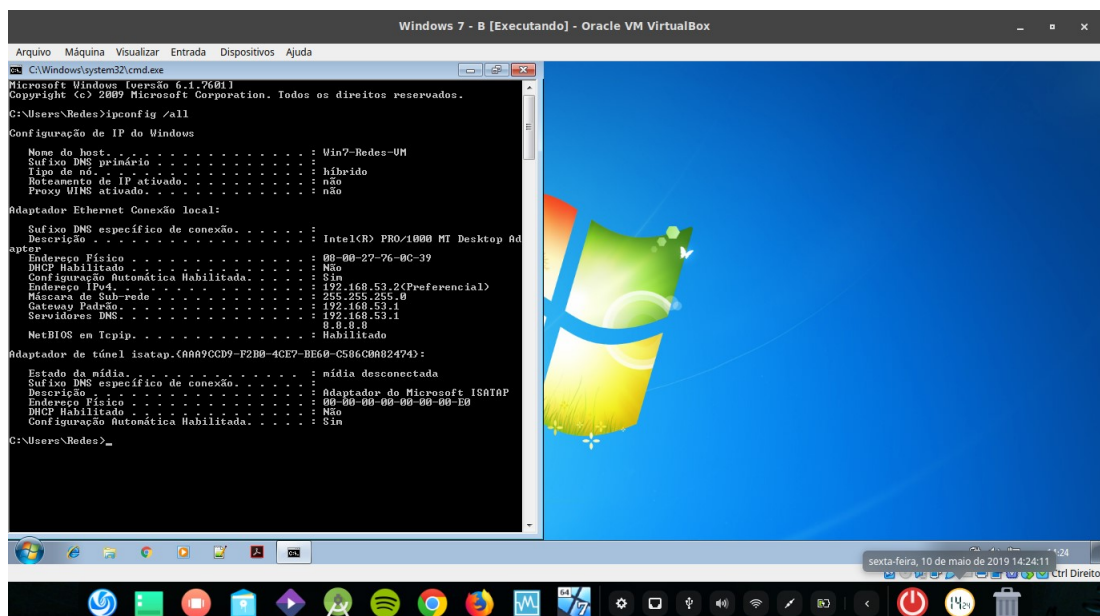


Figura 10: Resultado do comando `ipconfig /all`



Figura 11: Tela do Internet Explorer mostrando a página web www.louvre.fr

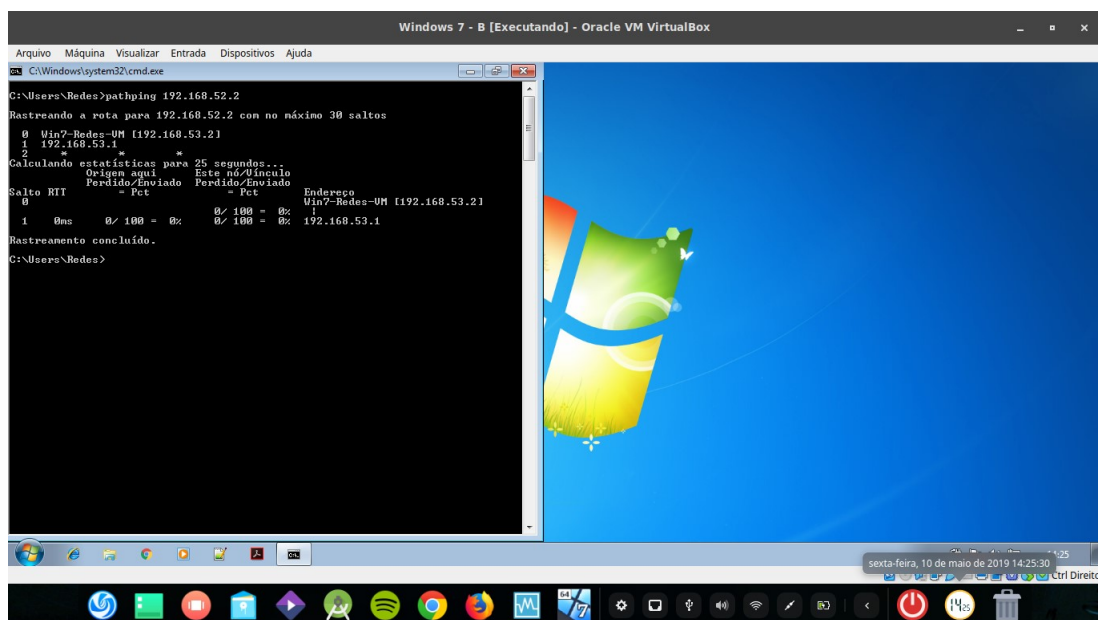


Figura 12: Resultado do comando **pathping** para a estação Windows 7 na rede A

4 Estação Windows S

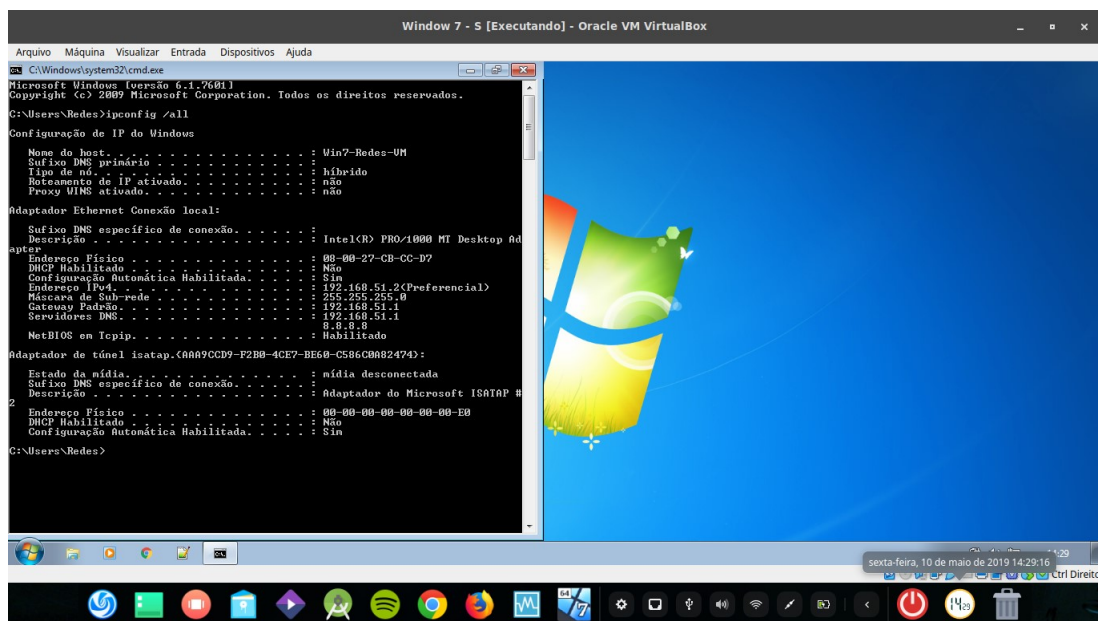


Figura 13: Resultado do comando `ipconfig /all`

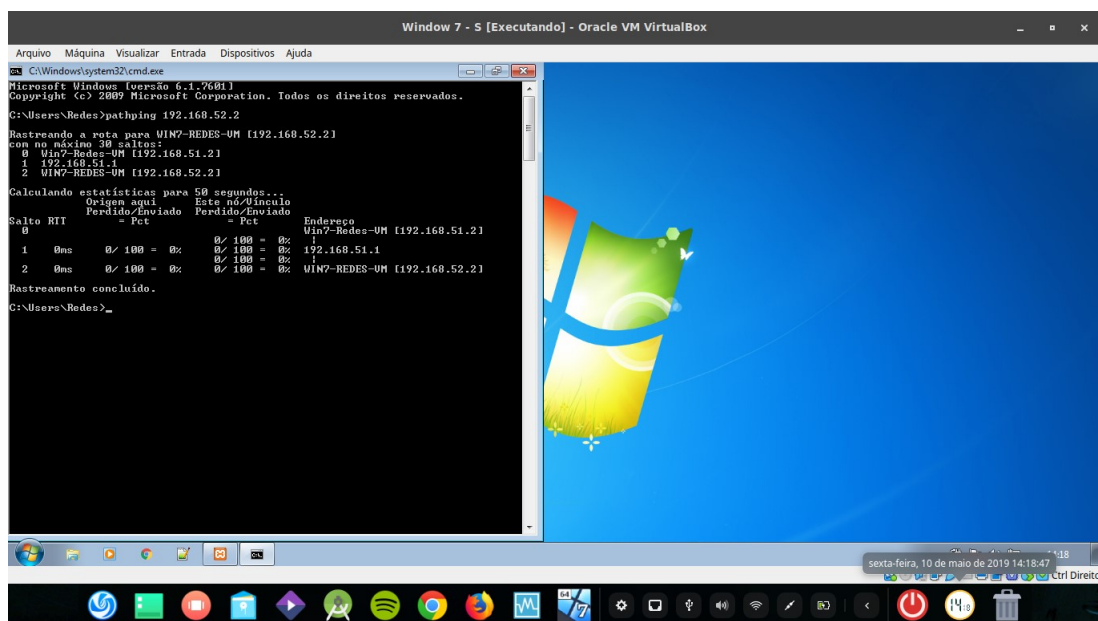


Figura 14: Resultado do comando `pathping` para estação Windows 7 na rede A

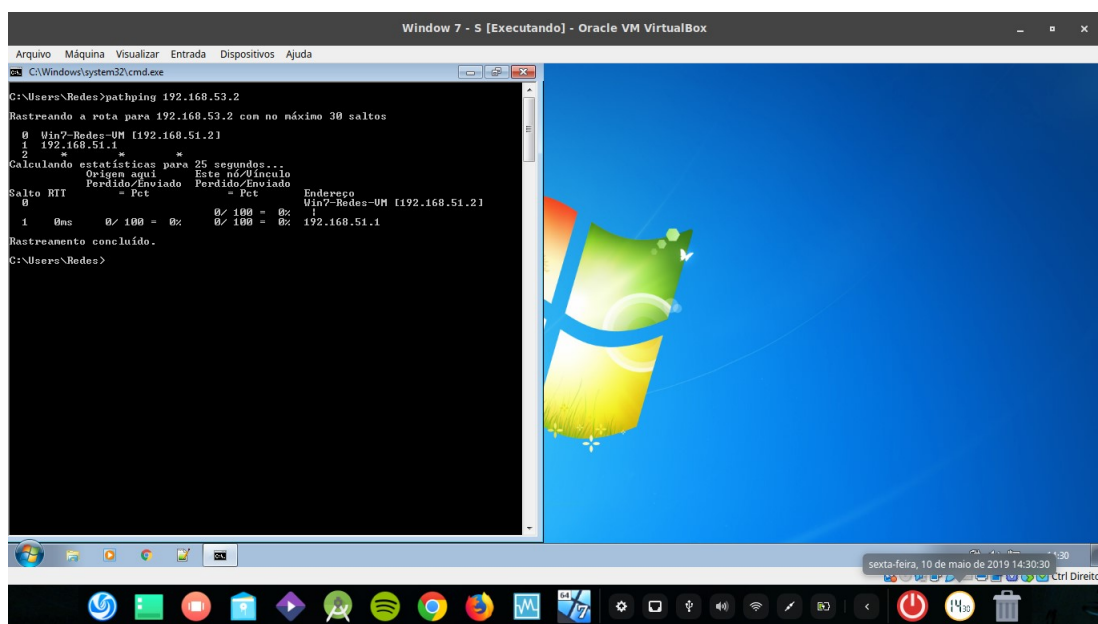


Figura 15: Resultado do comando **pathping** para estação Windows 7 na rede B