Wireshark

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521-David-PARP401A-Sniffers-Wireshark.docx

# Objetives

In this exercise, we are going to learn how to install and use wireshark and network miner.

# Loot and material needed

VMWare Workstation or another virtualization tools, in my case: VMWare.

Cutting tool.

Microsoft Word.

ISO of Windows 10.

PDF sent by the teacher as guide.

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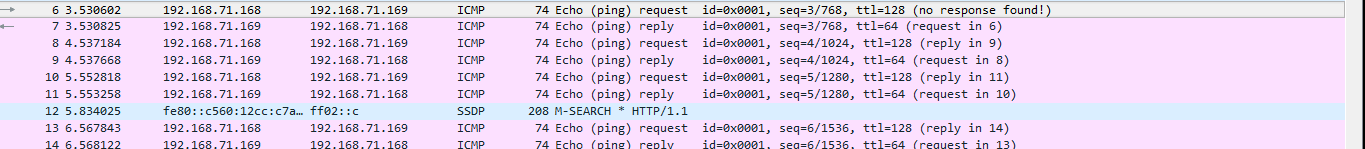
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# First of all we are going to download the three programs that the practice requires.

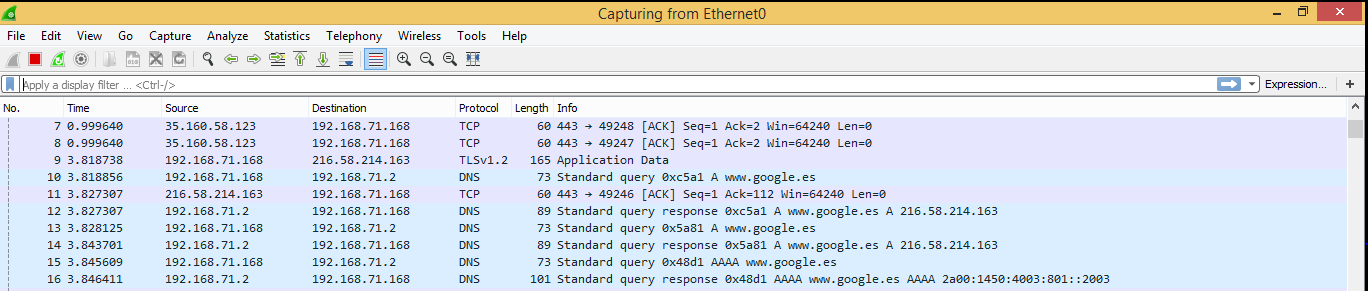


# Proofs of use.

## In Microsoft Network Monitor, we have captured a ping request.



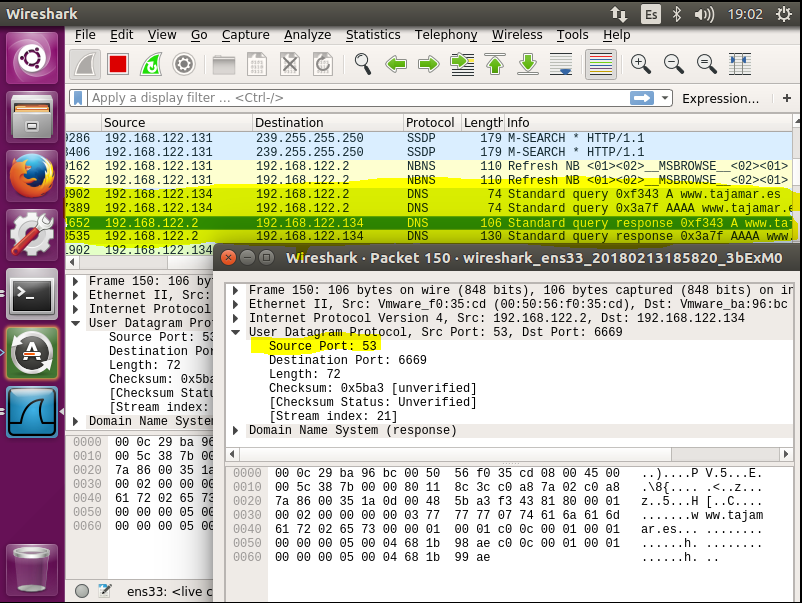
## In Wireshark, we have captured a DNS request to Google.es



# Wireshark in Ubuntu

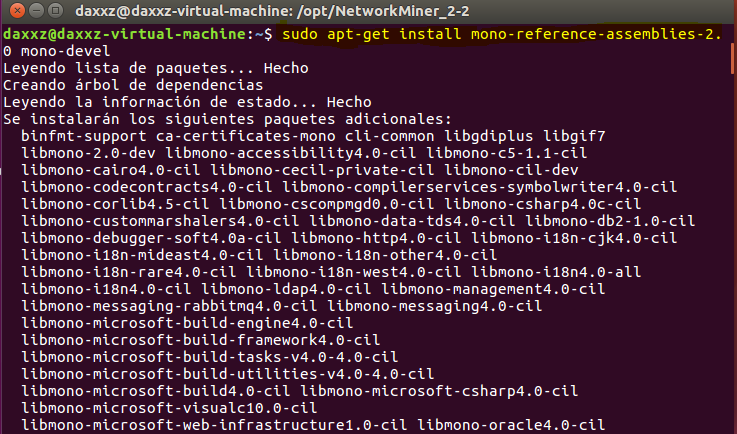
With the command **“apt-get install wireshark”** we can install this program.

Let’s analyze a DNS request to www.tajamar.es



# Installing Network Miner in Ubuntu

With the command **“sudo apt-get install mono-reference-assemblies-2.0 mono-devel”** we add the repository of network monitor into our system.

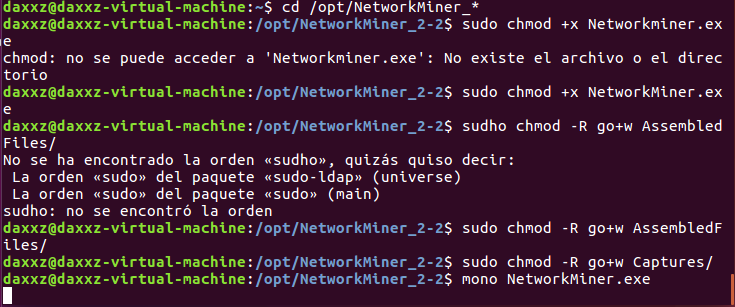


# Executing Network Miner

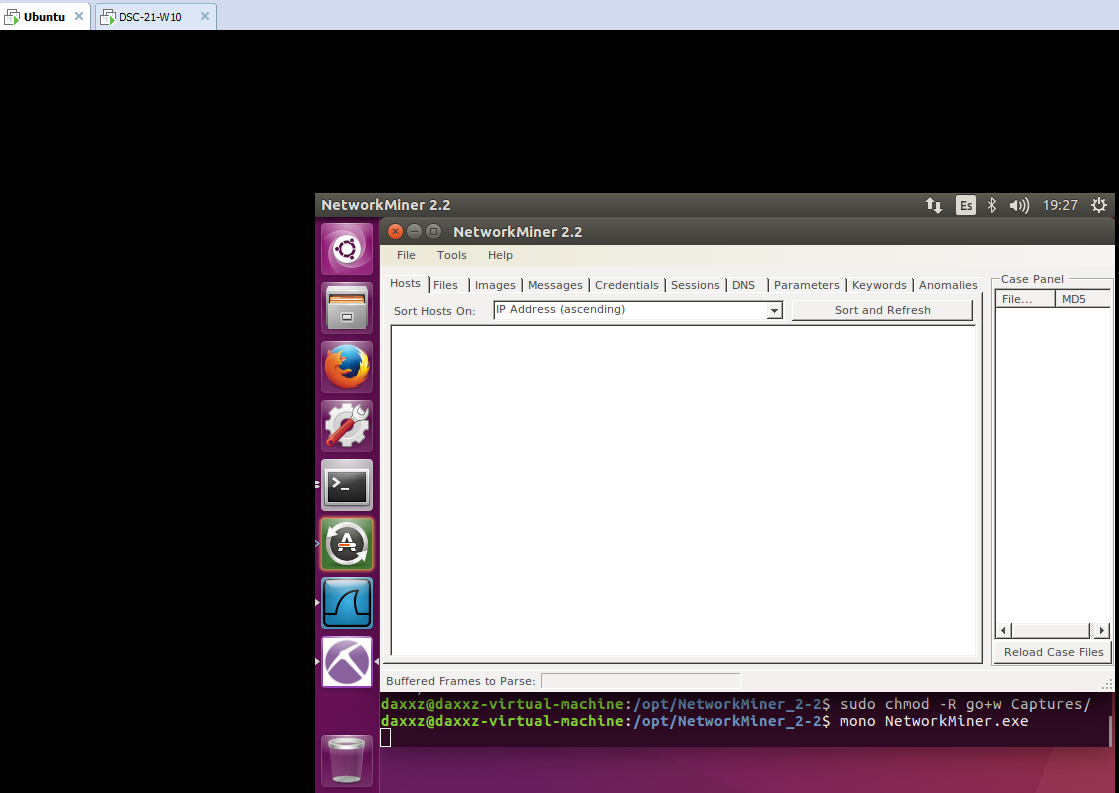
With the command **“cd /opt/NetworkMiner\_\*”** we access to the folder of Network miner.

With **“sudo chmod +x Networkminer.exe”** we give permission of execution to this file.

Now we give permissions of Reading to the folder, and we execute the .exe file.



# As we can see, Network miner has been installed successfully



# Final considerations and metacognition

On the one hand, this practice has been very interesting for me because I have learnt how to use wireshark and network miner and how to install them in Ubuntu.

To sump up, this practice has been very useful for me and I am looking forward to do the next one.