

# EPICODE

CYBERSECURITY COURSE

BY MAX ALDROVANDI

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Web-site: <https://epicode.com/it>

Locality:

Via dei Magazzini Generali,  
6 Roma, Lazio 00154, IT

# PRACTICE EXERCISE S10/L1

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## Track:

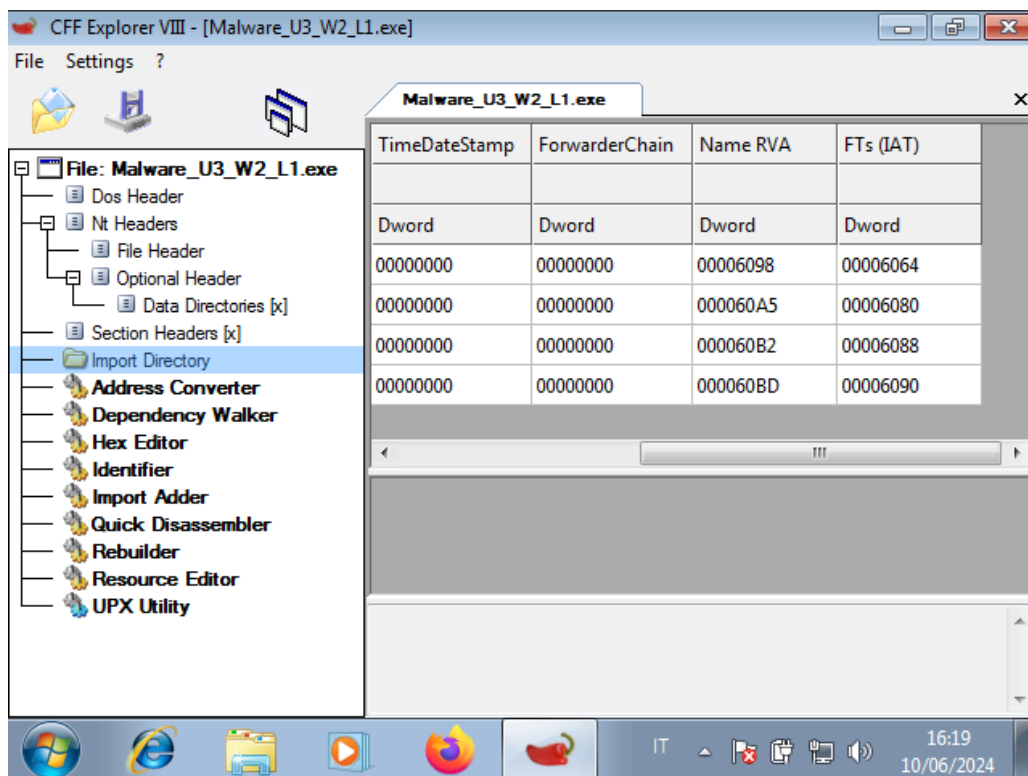
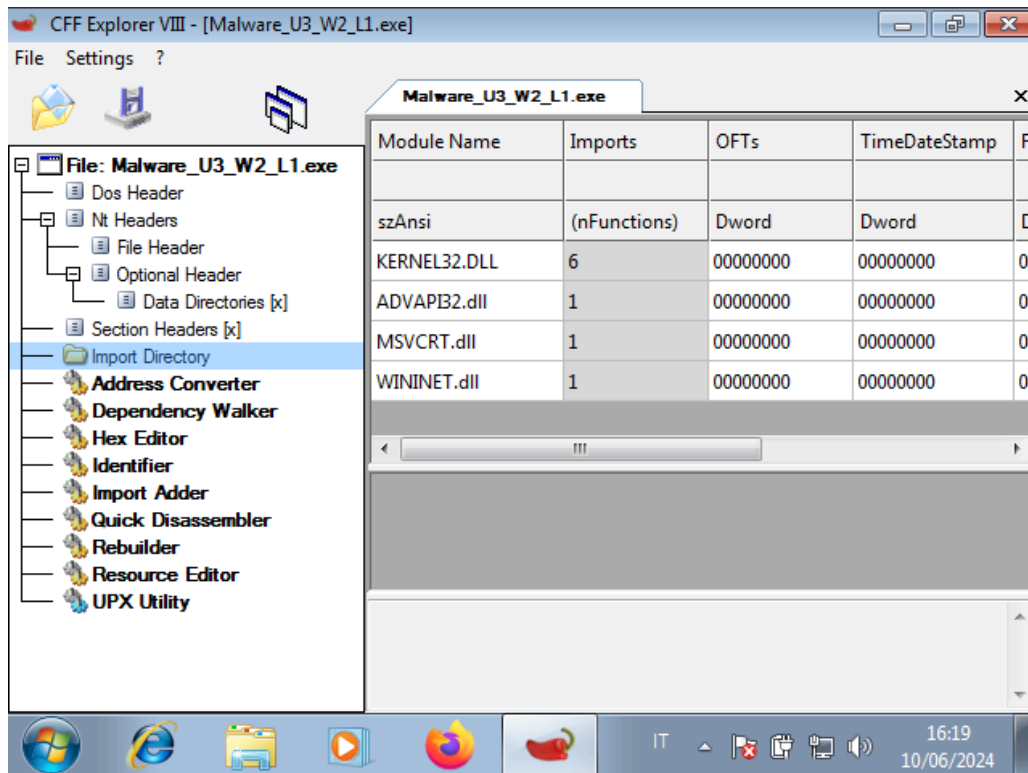
Exercise Static Analysis With reference to the executable file contained in the "Exercise\_Practice\_U3\_W2\_L1" folder on the Desktop of your virtual machine dedicated to malware analysis, answer the following questions:

- Indicate the libraries imported by the malware, providing a description for each of them
- Indicate the sections of which the malware is composed, providing a description for each of them
- Add a final consideration about the malware under analysis based on the information gathered

## Basic static analysis

Using **CFF Explorer**, we see from the import directory section that the **U3\_W2\_L1 malware** imports **4 libraries**:

- **Kernel32.dll**, which includes the core functions of the operating system
- **Advapi32.dll**, which includes the functions to interact with Windows registers and services
- **MSVCRT.dll**, library written in C for manipulating written or memory allocation
- **Wininet.dll**, includes the functions to implement network services such as ftp, ntp, http

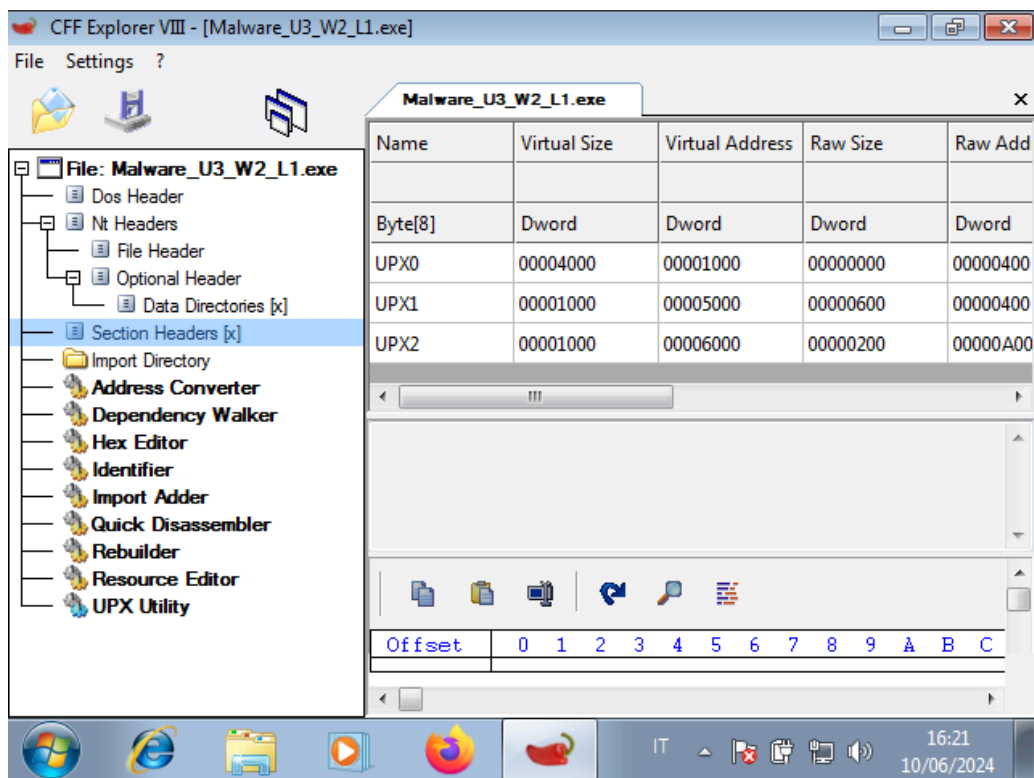


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## Malware sections

From **CFF Explorer**, from the “section header” section we see that the executable consists of **3 sections**.

Unfortunately, it seems that the malware has hidden the real name of the sections, so we are unable to tell what kind of sections they are.



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## Final considerations

This is an advanced malware that does not allow us to recover much information about its behavior with basic static analysis.

This is supported by the fact that among the imported functions we find “**LoadLibrary** and **GetProcAddress**”, which make us think of a malware that imports libraries at runtime (runtime) while actually hiding information about the imported libraries upstream.

