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Malware analysis and reverse engineering

by Nikola Miloševi? - Monday, July 22, 2019

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Learn how to analyse and fight malicious code, such as viruses, worms, trojans, or ransomware. Become malware analyst!



Every cyberattack utilizes some malicious code and some malware. The average loss that a company suffers from a single malware attack is \$2.4 million. Companies around the world are losing billions of dollars every year because of information security breaches usually caused by malware. The number of malware attacks grows yearly at an exponential rate. Malicious code or malware is a piece of code that intends to harm or disrupt computer operation of the victim. If you want to understand how malware and cyber-attacks work, this is the right course for you. In this course, you will learn how to analyse malware and incidents that happened using the malicious code.

This course is intended for anyone who wants to know how malware analysis and reverse engineering of software is performed. This course can train you for a career in any of the anti-virus companies around the world or can give you skills that you can use to analyse and stop breaches to the networks of organizations you work with.

This course will teach you the following:

- **History of malware** and malicious software on PC (from **Brain.A to Stuxnet** and further)
- **The topology of malware** (you will learn what is virus, worm, Trojan, rootkit, ransomware, mobile malicious code, etc.)
- How malicious software work and propagate, how they use exploits
- How to build your own **malware analysis lab**
- How to **perform static and dynamic malware analysis**
- How to apply your skills to reverse engineer non-malicious software and gain insight into how they operate
- How AI and machine learning can help to detect malware

In this course, you will also learn how to fingerprint malware and use tools like WinMD5, Strings, PEid, Dependency Walker, Resource Hacker, WinHex, OllyDbg, IDA Pro, Process Monitor, Process Explorer, RegShot, Wireshark, NetCat, etc.

I have been in the security industry for over 7 years, teaching both in industry and academia. I have also published scientific papers on malware analysis. Now I want to share this knowledge with you!

The course does not require any particular previous knowledge, apart from your aptitude to learn and basics of networking, how operating systems work and a tiny bit of programming. However, if you are versed in computer science and interested in security, this is the right course for you.

Go ahead and enroll!

[Enroll to the course on Udemy for only \\$9.99](#)



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