

CompTIA Sec+ SY0-501, Part 1 of 9: Overview and Malware

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Prerequisites: • Basic familiarity with computer networks, administration, and security is helpful (But, all required information will be covered during the course)
• Completion of the CompTIA A+ and Network+ certifications (Helpful, but not required)

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Course description: In this course we will discuss an overview of Security+. We will discuss Malware, ransomware and malware infections and how to avoid interception and privilege escalation for the SY0-501 Exam.

Course outline:

Overview Of Security

- Introduction
- Welcome
- Overview of Security
- CIA Triad
- AAA of Security
- Security Threats
- Mitigating Threats
- Hackers
- Threat Actors
- Summary
- Phishing
- Botnets and Zombies
- Active Interception and Privilege Escalation
- Summary

Privilege Escalation

- Introduction
- Privilege Escalation
- Backdoors and Logic Bombs
- Symptoms of Infection
- Removing Malware
- Preventing Malware
- Summary

Malware

- Introduction
- Malware
- Viruses
- Worms
- Trojan Horse
- Demo: Virus and Trojan
- Summary

Ransomware

- Introduction
- Ransomware
- Spyware
- Rootkits
- Spam
- Summary of Malware
- Summary

Malware Infections

- Introduction
- Malware Infection
- Common Delivery Methods