

INE

# Active Directory Penetration Testing

Active Directory (AD) penetration testing is a critical skill for modern penetration testers and red teamers seeking to assess and exploit the security of modern corporate networks. This course provides a comprehensive introduction to AD penetration testing, covering essential techniques and tools used to identify and exploit vulnerabilities within AD environments. Through hands-on labs and real-world scenarios, you will gain the knowledge and practical experience needed to conduct effective penetration tests against Active Directory environments and strengthen your overall offensive skillset.

In this course, you will get an introduction to Active Directory, learn how it works, and the components that make up Active Directory. After which, you will learn how to perform Active Directory reconnaissance, and enumeration through the use of various techniques and tools like PowerView and BloodHound. You will then delve into Kerberos attacks like AS-REP Roasting and Kerberoasting, where you will learn how to identify and exploit Kerberoastable users. This course also covers Lateral Movement techniques like Pass-the-Ticket attacks (PTT) and advanced persistence techniques like Silver Ticket and Golden Ticket Attacks. After completing this course, you will be proficient in conducting effective AD penetration tests and strengthening the security posture of corporate networks.



+ Add



INSTRUCTOR

**Alexis Ahmed**

COURSE DURATION

**12h 20m**

DIFFICULTY LEVEL

**Professional**

COURSE FILES

**INE-Active-Directory-Penetration-Testing-Course-File.zip**
**Course Progress**▶ **Begin**

## Welcome

Jump to category ▾

### Introduction

Activities: 1

**Course Introduction**  
11m 11s

Start video

0/1 items finished

[Hide details](#)

## Active Directory Primer

### Active Directory

Activities: 10

0/10 items finished

**Introduction To Active Directory**  
30m 2s

Start video

**Test your knowledge: Introduction To Active Directory**  
2 questions

Start quiz

**Users, Groups & Computers**  
40m 50s

Start video

**Test your knowledge: Users, Groups & Computers**  
2 questions

Start quiz

**Organizational Units (OUs)**  
20m 53s

Start video

**Test your knowledge: Organizational Units (OUs)**  
3 questions

Start quiz

**Active Directory Authentication**  
11m 13s

Start video

**Test your knowledge: Active Directory Authentication**  
2 questions

Start quiz

**Trees, Forests & Trusts**  
7m 55s

Start video

**Test your knowledge: Trees, Forests & Trusts**  
2 questions

Start quiz

[Hide details](#)

## Active Directory Penetration Testing

### Active Directory

Activities: 1

0/1 items finished

**AD Penetration Testing Methodology**  
15m

Start video

[Hide details](#)

### AD Enumeration

Activities: 9

0/9 items finished

**Password Spraying**  
11m 58s

Start video

**Test your knowledge: Password Spraying**  
2 questions

Start quiz

**Password Spraying**  
Cyber Security

Start lab

**AD Enumeration: BloodHound**  
20m 55s

Start video

**Test your knowledge: AD Enumeration: BloodHound**  
1 question

Start quiz

**BloodHound Reconnaissance**  
Cyber Security

Start lab

**AD Enumeration: PowerView**  
28m 51s

Start video

**Test your knowledge: AD Enumeration: PowerView**  
2 questions

Start quiz

**PowerView: Active Directory Enumeration**  
Cyber Security

Start lab

[Hide details](#)

### AD Privilege Escalation

Activities: 6

0/6 items finished

**AS-REP Roasting**  
15m 39s

Start video

**Test your knowledge: AS-REP Roasting**  
2 questions

Start quiz

**AS-REP Roasting**  
Cyber Security

Start lab

**Kerberoasting**  
17m 3s

Start video

**Test your knowledge: Kerberoasting**  
2 questions

Start quiz

**AD - Kerberoasting Attacks**  
Cyber Security

Start lab

[Hide details](#)

### AD Lateral Movement

Activities: 6

0/6 items finished

**AD Lateral Movement: Pass-the-Hash**  
19m 37s

Start video

**Test your knowledge: AD Lateral Movement: Pass-the-Hash**  
2 questions

Start quiz

**Pass-the-Hash (PtH) Attacks**  
Cyber Security

Start lab

**AD Lateral Movement: Pass-the-Ticket**  
17m 49s

Start video

**Test your knowledge: AD Lateral Movement: Pass-the-Ticket**  
2 questions

Start quiz

**Pass-the-Ticket (PtT) Attacks**  
Cyber Security

Start lab

[Hide details](#)

### AD Persistence

Activities: 6

0/6 items finished

**AD Persistence: Silver Ticket**  
29m 50s

Start video

**Test your knowledge: AD Persistence: Silver Ticket**  
2 questions

Start quiz

**AD - Silver Ticket**  
Cyber Security

Start lab

**AD Persistence: Golden Ticket**  
23m 52s

Start video

**Test your knowledge: AD Persistence: Golden Ticket**  
2 questions

Start quiz

**Golden Ticket Attacks**  
Cyber Security

Start lab

[Hide details](#)

## Goodbye

### Conclusion

Activities: 1

0/1 items finished

**Course Conclusion**  
7m 29s

Start video

[Hide details](#)[Helpful Links](#)[Active Courses](#)[Bookmarks](#)[Profile](#)[My Certifications](#)[Certifications](#)[Instructors](#)[Careers](#)[Plans](#)[Plans & Pricing](#)[Business Solutions](#)[Support](#)[Releases](#)[Help Center](#)[Contact](#)[Troubleshooting and FAQs](#)[Join the community](#)

Interact with instructors, students, and IT experts in the INE Community!