CSE 523S: Systems Security

Assignment Project Exam Help

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Spring 2018
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Plan for Today

- Announcements
 - HW3 assigned today, due 1pm March 21st
- Questions
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- Assignment https://eduassistpro.github.io/
- Vulnerabilities & Verphotjedu_assist_pro
 - Finding known vulnerabilities
- Today: Mix of lecture and exercises.

Assignment

- HW3 assigned; due 1pm March 21st
 - See hw3 file in handouts

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Reviewing our progress

- Module 1 (complete)
 - L01: Introduction
 - L02: Security Principles
 - E03: Getting to know our systems
 - L04: System Design & Security: Why are computational project Example in attacks
 - E05: Exploring bi

 - E07: Exploring packets
 - L08: Network Security: Revisited
 - E09: Exploring Encryption
 - L10: Understanding Vulnerabilities
 - E11: Exploring Metasploit

- Module 2 (starts today)
 - Finding known vulnerabilities
 - Stack and heap buffer overflows, integer overflows,
 - ASLR and NX

processes.

- L06: System Desi https://eduassistpro.cgithub.xo.ute

Why are networks yulnerable?

End: Exploring partial weekler weeklering partial weeklerin

Vulnerabilities & Exploits

- Monday, we used ms03_026_dcom to attack our Windows XP instance Assignment Project Exam Help
- We knew wh https://eduassistpro.github.io/
- We knew its vulnerabiliti edu_assist_pro
- We followed a script.
- How might we have done so on our own?

Scanners

- You can actively probe a network to identify machines and services Assignment Project Exam Help
- Previously, wihttps://eduassistpro.github.io/ ARP to find active///PShot edu_assistrero

 We can also use a tool called nmap to learn more

Nmap

Among the most popular open-source network scanners

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en poratis anacket https://eduassistpro.github.io/ services listening wechout edu_assist_pro

Can be automated and extended via scripts

Like many tools, integrates well with metasploit

Vulnerability scanners

Nmap identifies machines and services

- Other tools look for known xulnerabilities
 - Nessus is th
 - but it is no https://eduassistpro.github.io/
 - OpenVAS is a for Wor Chesedu_assist nature the crown (although it is limited currently)
 - others...

We can also use tricks within metasploit itself

Organizing information

- When exploring hosts or networks for vulnerabilities, information management can be a problem Assignment Project Exam Help
 - Have I seen thttps://eduassistpro.github.io/
 - Has something changed i tweek?
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 What target version is run
- We can rely on metasploit's database integration to help with managing this information

Let's get to work!

- See exploring-vulns-notes in Google Docs
 - Important: use your host OS browser, do not use the browser in your VIVI Exam Help

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 Also use "Tracking Verbot edu_assist/20018" to indicate when you have reached a gate