

Cyber Security Internship – Task 7

Identify and Remove Suspicious Browser Extensions

Objective

Learn to identify, assess, and remove potentially harmful or unnecessary browser extensions to enhance browser security and performance.

Tools

- Google Chrome or Mozilla Firefox (or any modern web browser)
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Step-by-Step Process

1. Open Browser Extensions/Add-ons Manager

- **Chrome:** Menu (three dots) → More Tools → Extensions or visit <chrome://extensions/>
- **Firefox:** Menu (three lines) → Add-ons and themes → Extensions or visit <about:addons>

2. Review Installed Extensions

- Examine all extensions installed in the browser.
- Note down extensions unfamiliar or no longer needed.

3. Check Extension Permissions and Reviews

- Click on each extension's details or info icon.
- Look for permissions such as:
 - "Access your data on all websites"
 - "Read browsing history"
 - Access to clipboard or downloads
- Search for user reviews and reports online about any suspicious behavior.

4. Identify Suspicious or Unused Extensions

- Mark extensions with excessive permissions or poor reviews as suspicious.
- Identify extensions not used in recent browsing.

5. Remove Suspicious or Unnecessary Extensions

- Click the "Remove" or "Delete" button for targeted extensions.
- Confirm removal when prompted.

6. Restart Browser and Observe Improvements

- Close and reopen the browser.
- Monitor browser speed and behavior improvements.
- Check whether unwanted ads, pop-ups, or redirects have stopped.

7. Research Risks from Malicious Extensions

- Understand that malicious extensions can steal passwords, track browsing, inject ads, or spread malware.

8. Document the Steps Taken

- Maintain a log of reviewed extensions, those removed, and reasons for removal.

Extension Name	Action Taken	Reason for Removal
AdCleaner	Removed	Excessive permissions, unknown developer
YouTube Enhancer	Retained	Trusted, minimal permissions
CopyToClipboardHelper	Removed	Unused extension with clipboard access
PasswordManagerPro	Retained	Trusted, necessary for work