



Cybersecurity

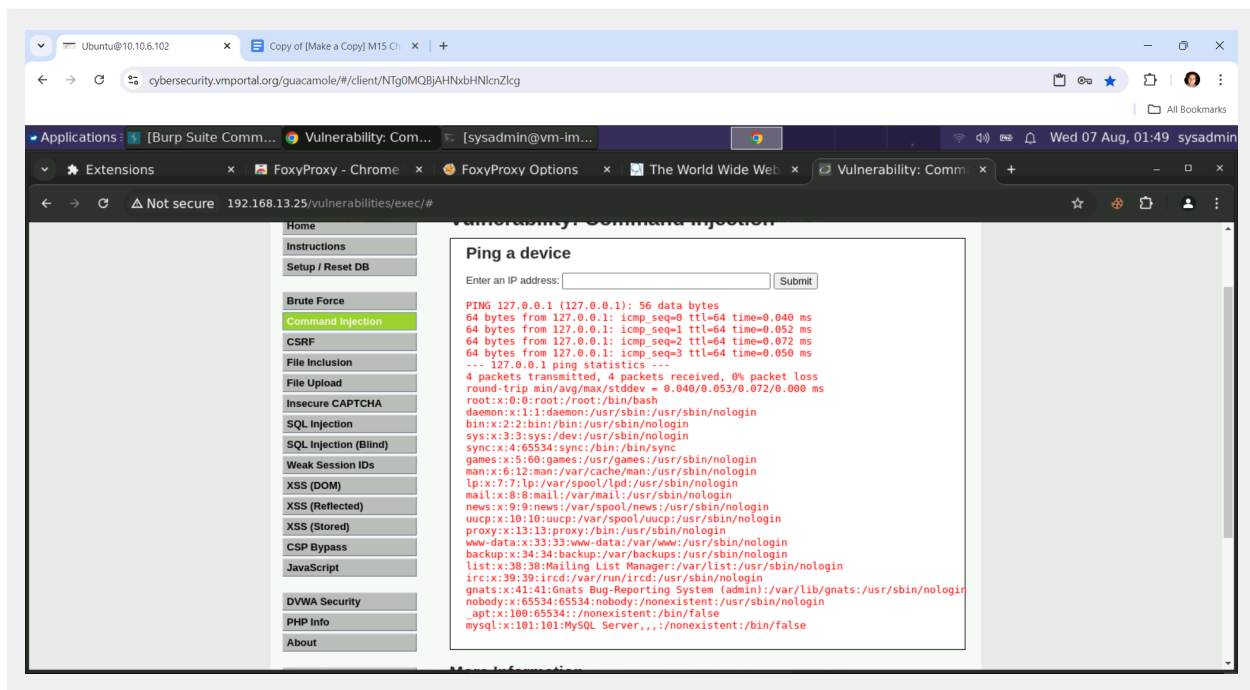
Module 15 Challenge Submission File

Testing Web Applications for Vulnerabilities

Make a copy of this document to work in, and then respond to each question below the prompt. Save and submit this completed file as your Challenge deliverable.

Web Application 1: *Your Wish is My Command Injection*

Provide a screenshot confirming that you successfully completed this exploit:



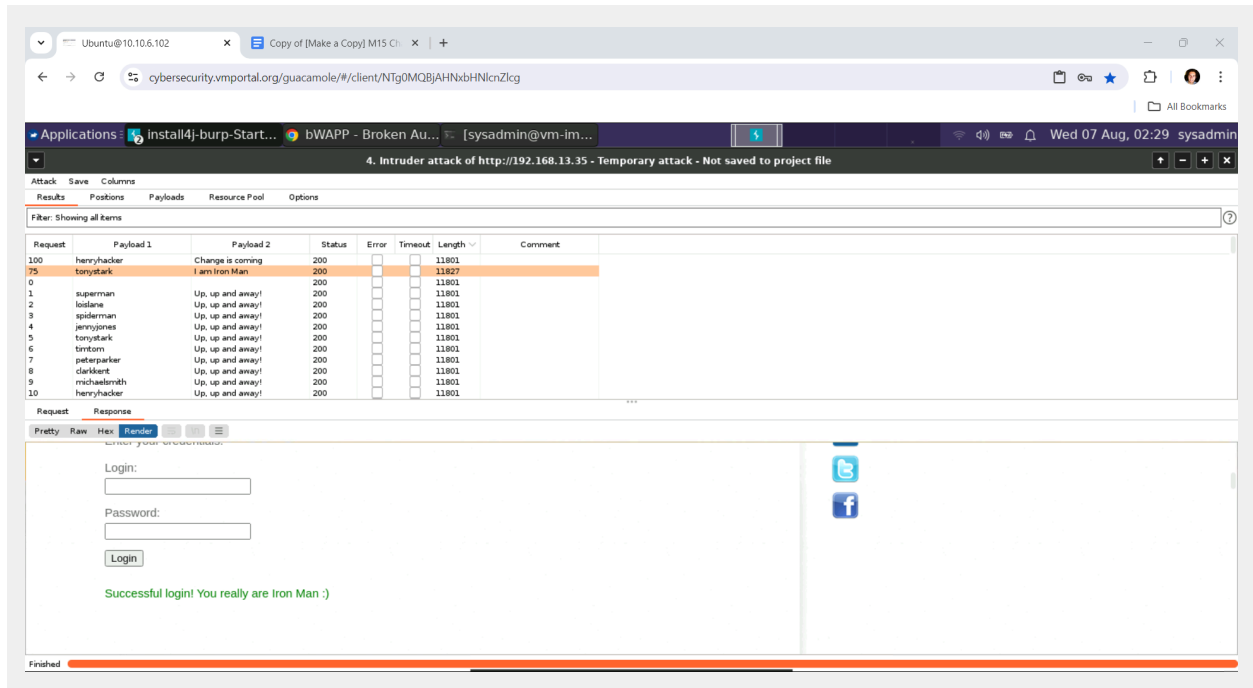
Write two or three sentences outlining mitigation strategies for this vulnerability:

One mitigation strategy that can be applied is input validation code logic to the client and server side code. This ensures that all user inputs are

validated against a strict set of rules. I would also utilize least privilege, which would reduce the impact of this type of attack by limiting system permissions for user services.

Web Application 2: A Brute Force to Be Reckoned With

Provide a screenshot confirming that you successfully completed this exploit:

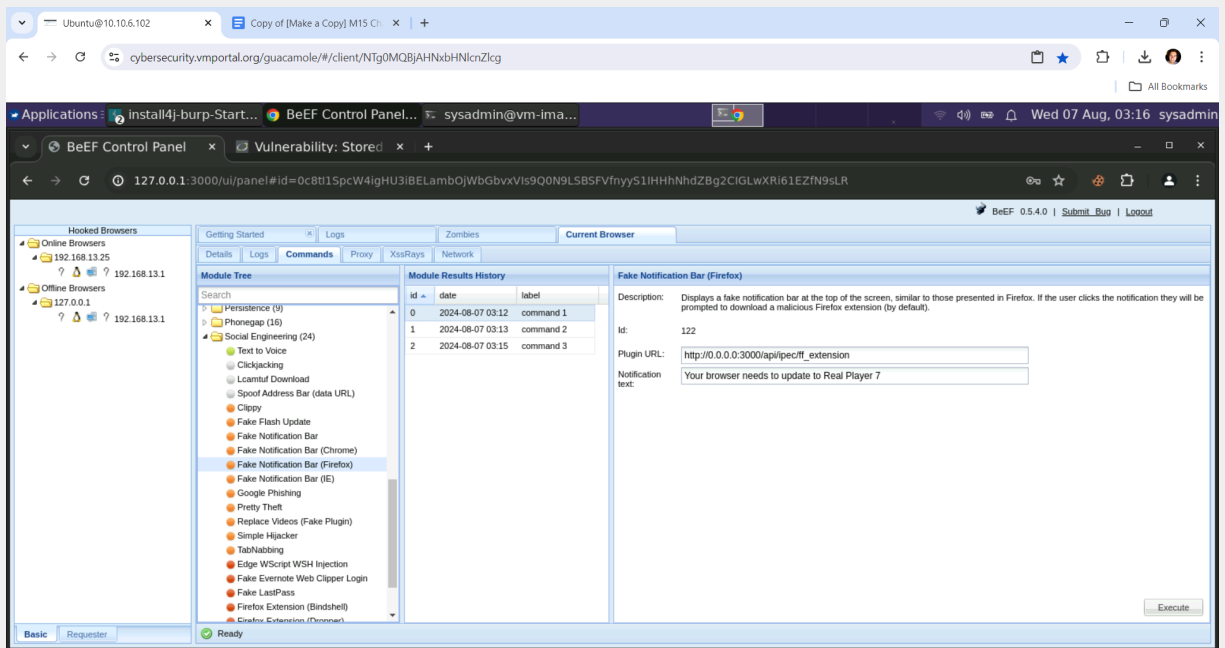
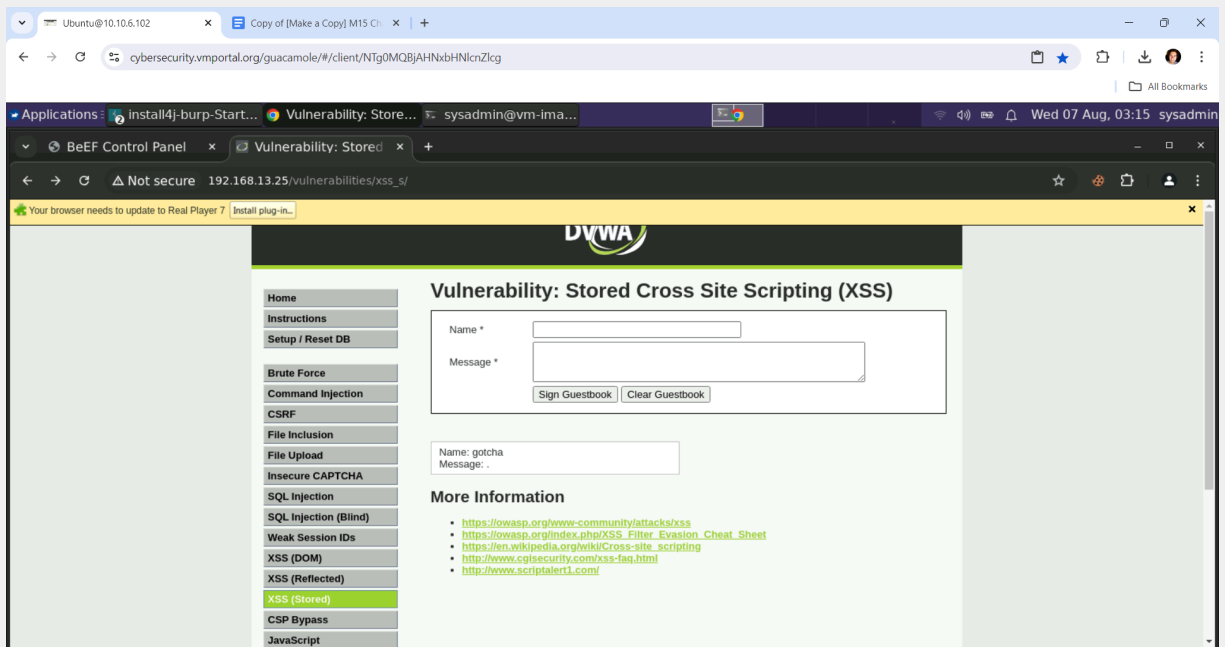


Write two or three sentences outlining mitigation strategies for this vulnerability:

One mitigation strategy for this Brute Force vulnerability would be enforcing strong password policies that use a combination of uppercase, lowercase and special characters of at least 12 characters or more. This would increase the difficulty of a successful brute force attack. Another mitigation strategy would be using Captcha Challenges to verify the identity of the user logging in. This would deter automated bots from using brute force attacks.

Web Application 3: Where's the BeEF?

Provide a screenshot confirming that you successfully completed this exploit:



Ubuntu@10.10.6.102 x Copy of [Make a Copy] M15 Ch... x +

cybersecurity.vmportal.org/guacamole/#/client/NTg0MQBjAHNxbHhncnZlcg

Applications: Install4j-burp-Start... BeEF Control Panel... sysadmin@vm-ima...

BeEF Control Panel x Vulnerability: Stored x +

127.0.0.1:3000/ui/panel#id=0c8t15pcW4lgHU3iBELambOjWbGbvXvis9Q0N9L5B5FVfnyyS1IHhHndZBg2CIGLwXRi61EZfN9sLR

BeEF 0.5.4.0 | [Submit Bug](#) | [Logout](#)

Hooked Browsers

- Online Browsers
 - 192.168.13.25
 - 192.168.13.1
 - Offline Browsers
 - 127.0.0.1
 - 192.168.13.1

Getting Started | Logs | **Commands** | Proxy | XssRays | Network

Module Tree

- Search
- Leamint Download
- Spoof Address Bar (data URL)
- Clippy
- Fake Flash Update
- Fake Notification Bar
- Fake Notification Bar (Chrome)
- Fake Notification Bar (Firefox)
- Fake Notification Bar (IE)
- Google Phishing
- Pretty Theft**
- Replace Videos (Fake Plugin)
- Simple Hijacker
- Tabnabbing
- Edge WScript WSH Injection
- Fake Evernote Web Clipper Login
- Fake LastPass
- Firefox Extension (Bindshell)
- Firefox Extension (Dropper)
- Firefox Extension (Reverse Shell)
- HTA PowerShell
- SiteKiosk Breakout
- User Interface Abuse (IE 9/10)

Module Results History

id	date	label
0	2024-08-07 03:12	command 1
1	2024-08-07 03:16	command 2

Pretty Theft

Description: Asks the user for their username and password using a floating div.

Id: 136

Dialog Type:

Backing:

Custom Logo (Generic only):

Execute

127.0.0.1:3000/ui/panel# Ready

