

# Module 15 Challenge Submission File

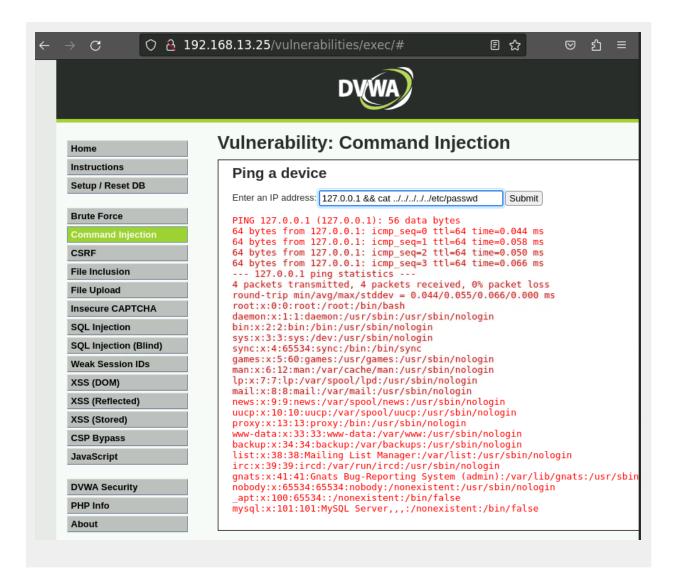
### **Testing Web Applications for Vulnerabilities**

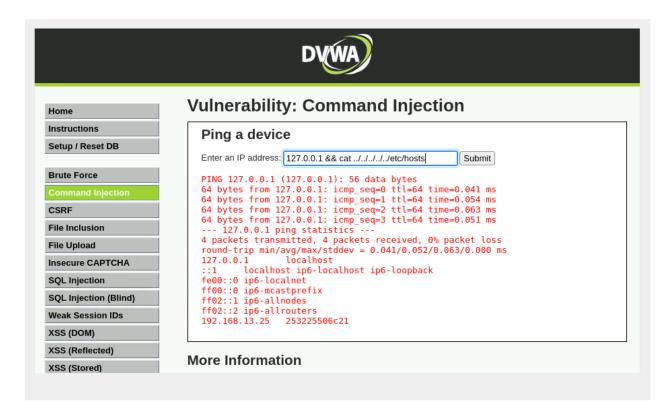
Make a copy of this document to work in, and then respond to each question below the prompt. Save and submit this completed file as your Challenge deliverable.

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

Provide a screenshot confirming that you successfully completed this exploit:







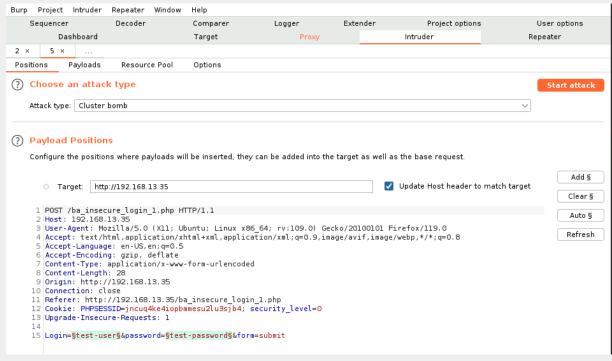
Write two or three sentences outlining mitigation strategies for this vulnerability:

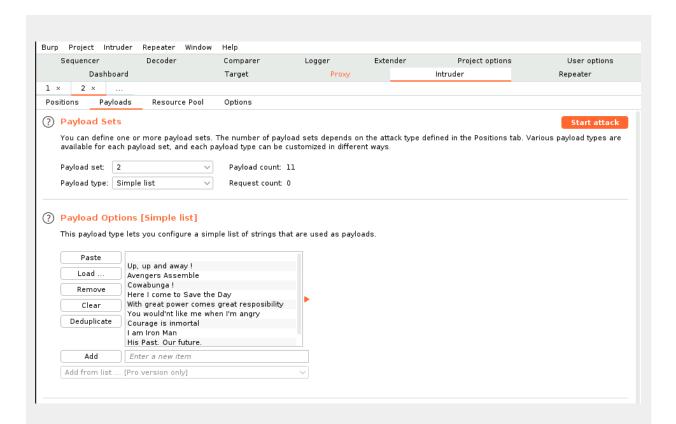
Some strategies to help mitigate this type of vulnerability:Input Validation and Sanitization, Parameterized Queries and Prepared Statements, Whitelisting, Application Firewalls, Regular Security Testing and Continuous Monitoring.

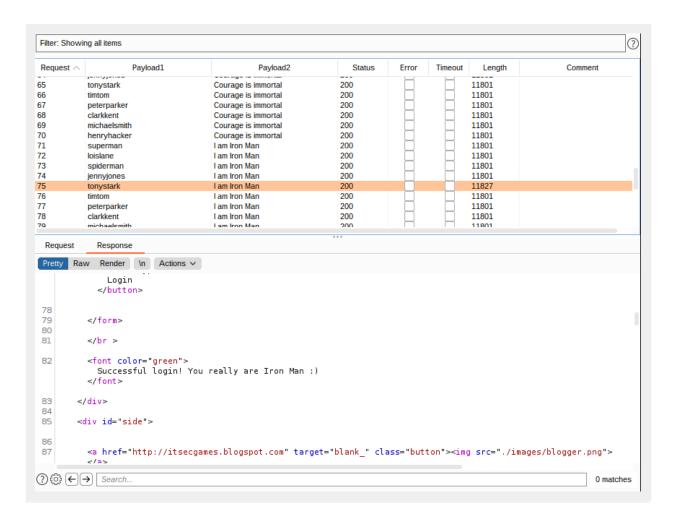
## Web Application 2: A Brute Force to Be Reckoned With

Provide a screenshot confirming that you successfully completed this exploit:







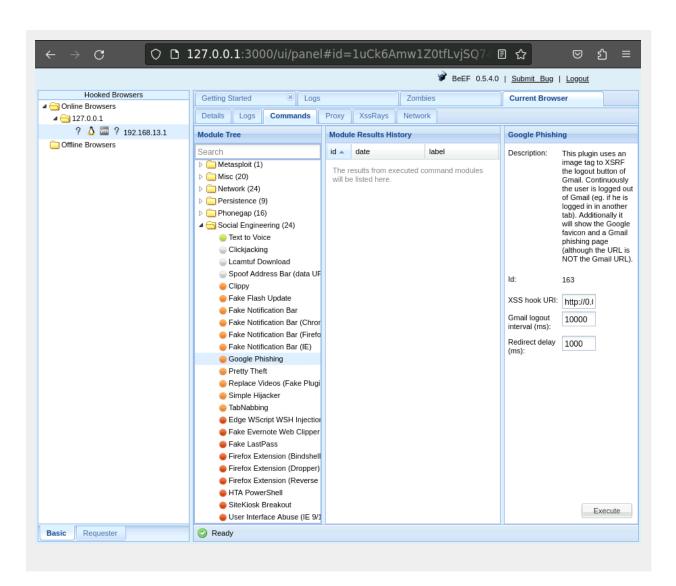


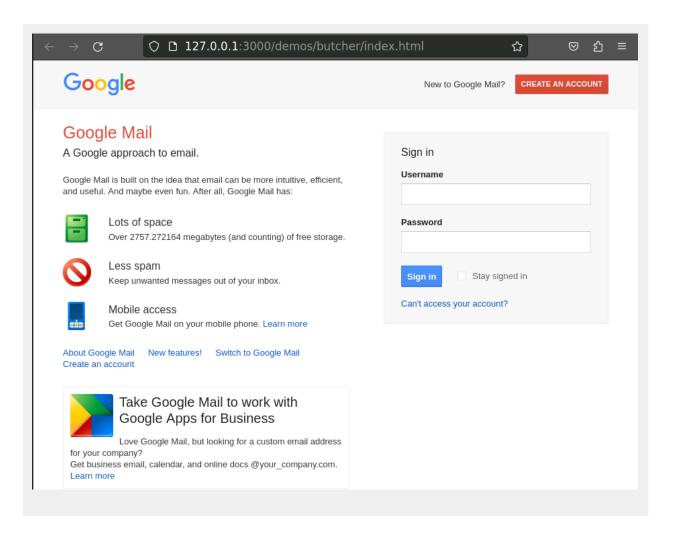
Write two or three sentences outlining mitigation strategies for this vulnerability:

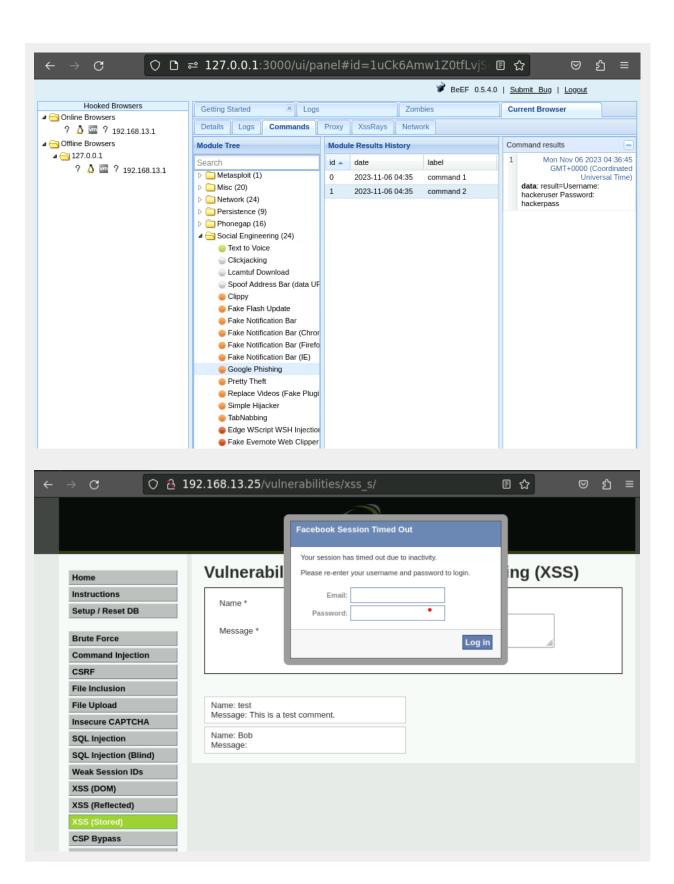
We can implement sAccount Lockout, Captcha challenges, Multi-factor Authentication and enforce Strong password policies.

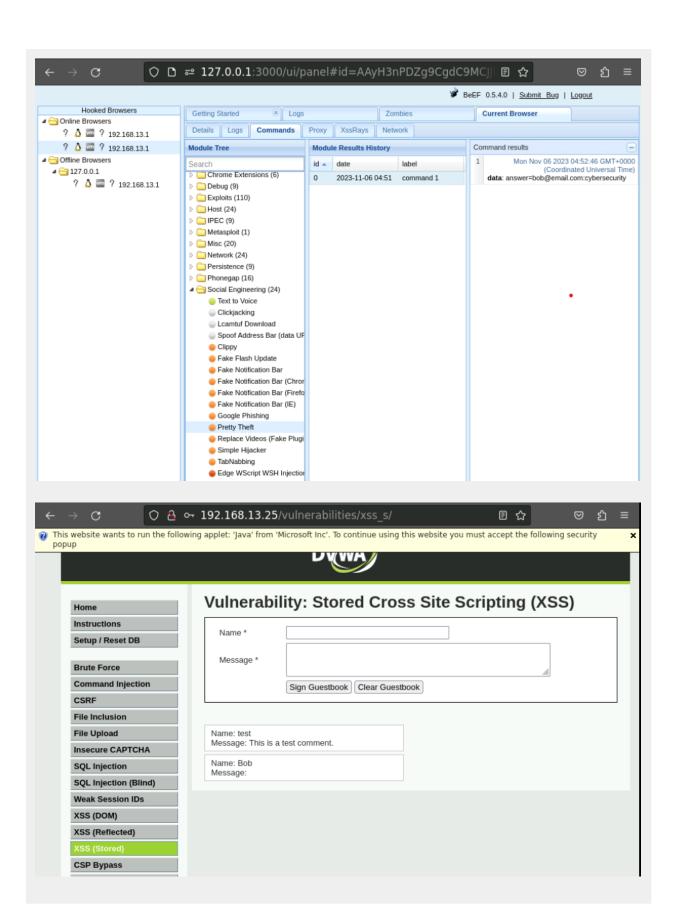
## Web Application 3: Where's the BeEF?

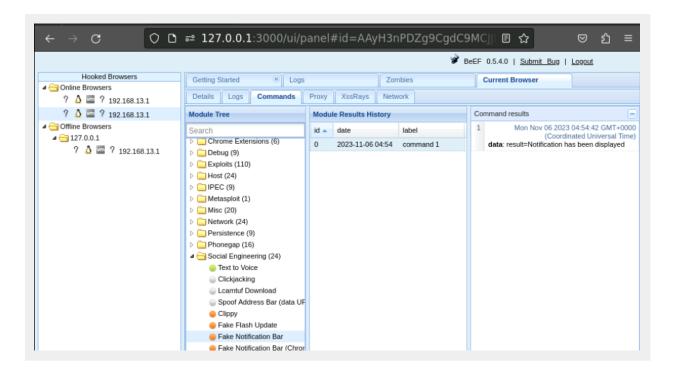
Provide a screenshot confirming that you successfully completed this exploit:











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

We can implement Web Application Security: Regularly test and secure your web applications against common vulnerabilities, such as Cross-Site Scripting and Cross-Site Request Forgery, which can be exploited by BeEF. Implement a CSP for your web applications. Ensure that you have updated antivirus and anti-malware software installed on your systems. Use network firewalls and IDPS to detect and block unauthorized network traffic, including traffic generated by BeEF. Deploy a Web Application Firewall to detect and mitigate malicious traffic, including requests originating from BeEF.

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