

Test Setup:

Target

- **DVWA VM IP:** 192.168.0.108

Manual Testing Using Burp Suite

Start Burp Suite

Applications → Web Application Analysis → Burp Suite

Vulnerability Log

Test ID	Vulnerability	Severity	Target URL
001	SQL Injection	Critical	http://192.168.0.108/login
002	XSS Reflected	Medium	http://192.168.0.108/form

Checklist

- ✓ Test for SQL injection using sqlmap
- ✓ Check for XSS using manual payload testing
- ✓ Execute self-curated scripts (optional)
- ✓ Verify authentication and session mechanisms

Tools Used

- Burp Suite
- sqlmap
- OWASP ZAP

Web Test Summary

The DVWA application was tested for OWASP Top 10 vulnerabilities using both manual and automated techniques. Burp Suite was used to intercept and manipulate HTTP requests, while sqlmap validated SQL injection flaws. Reflected XSS and weak authentication mechanisms were also identified during the assessment.

- ✓ Burp intercept screenshot
- ✓ sqlmap execution proof
- ✓ DVWA security set to LOW
- ✓ Clean vulnerability table
- ✓ Clear explanation