WebSocket Security Scan Report

Executive Summary

Scan Start Time:	2025-06-12 12:11:55
Scan End Time:	2025-06-12 12:12:24
Total Scan Duration:	28.18 seconds
Total URLs Scanned:	1
High Severity Vulnerabilities:	4
Medium Severity Vulnerabilities:	10
Low Severity Vulnerabilities:	0

Vulnerability Distribution by Severity
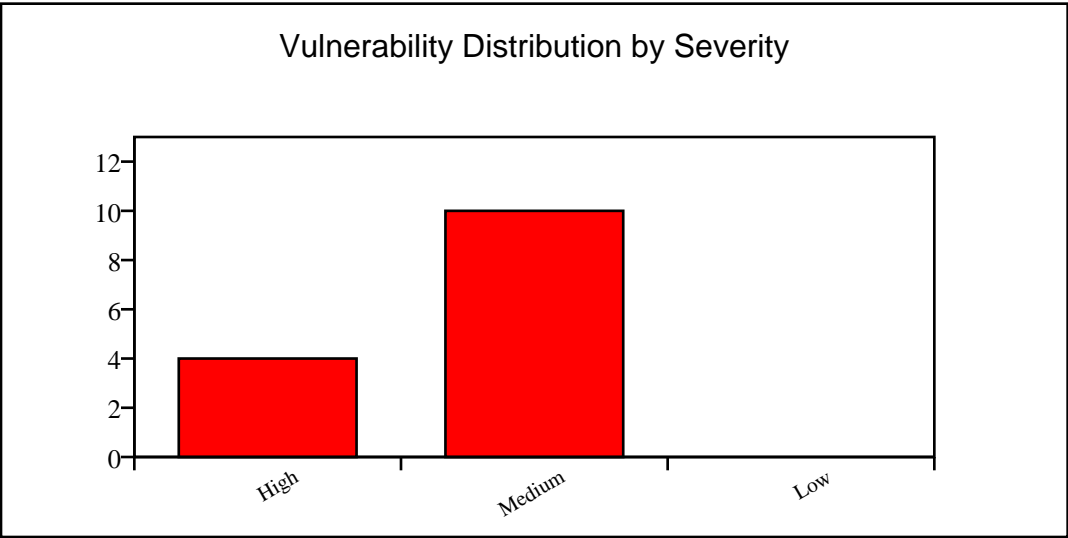
Detailed Scan Results

Target URL: http://192.168.110.1:8080/

Scan Duration:	28.18 seconds
URLs Crawled:	1
WebSocket Endpoints Found:	2
Attack Performed:	True
Attack Type:	WebSocket Tests
High Severity Findings:	4
Medium Severity Findings:	10
Low Severity Findings:	0

WebSocket Endpoints:

#	URL
1	ws://localhost:8081/
2	ws://localhost:8081

Crawled URLs:

#	URL
1	http://192.168.110.1:8080/

Vulnerability Distribution for http://192.168.110.1:8080/
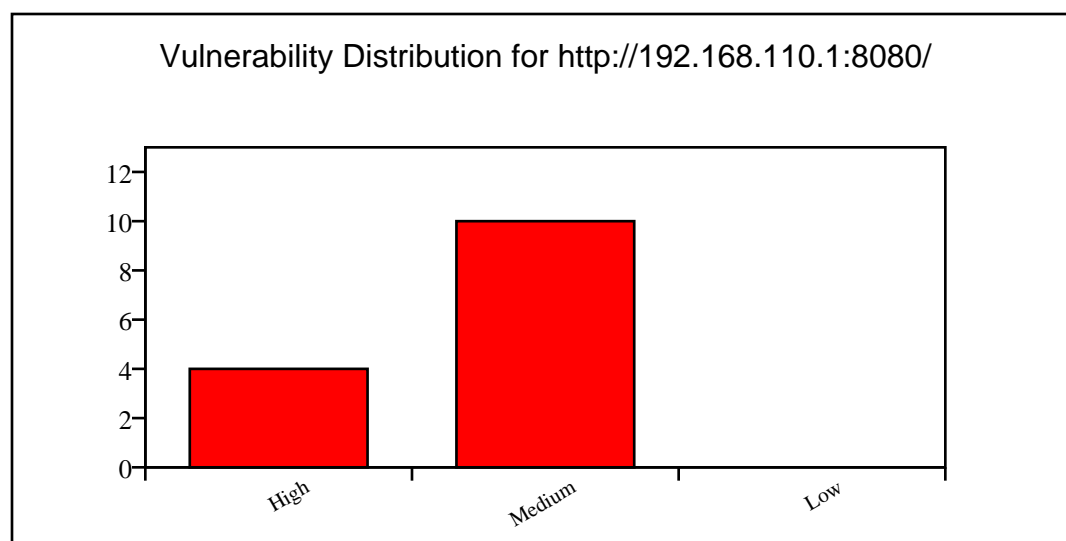
Detected Vulnerabilities:

Name:	Case-Sensitive Headers
Risk Level:	Medium
Description:	Server at localhost:8081 accepted case-sensitive headers.
Solution:	Ensure case-insensitive header parsing as per RFC.
Affected URL:	localhost:8081

Name:	Oversized Headers
Risk Level:	Medium
Description:	Server at localhost:8081 accepted handshake with oversized headers.
Solution:	Set limits for header size to prevent resource exhaustion.
Affected URL:	localhost:8081

Name:	Missing Host Header
Risk Level:	High
Description:	Server at localhost:8081 accepted handshake without Host header.
Solution:	Enforce Host header validation.
Affected URL:	localhost:8081

Name:	Fake Host Header
Risk Level:	Medium
Description:	Server at localhost:8081 accepted handshake with incorrect Host header.
Solution:	Validate Host header to match expected server domain.
Affected URL:	localhost:8081

Name:	Multiple Host Headers

Risk Level:	High
Description:	Server at localhost:8081 accepted handshake with multiple Host headers.
Solution:	Reject requests with duplicate Host headers.
Affected URL:	localhost:8081

Name:	Long URL Path
Risk Level:	Medium
Description:	Server at localhost:8081 accepted handshake with long URL path (2KB).
Solution:	Limit URL path length to prevent resource exhaustion.
Affected URL:	localhost:8081

Name:	Unicode URL
Risk Level:	Medium
Description:	Server at localhost:8081 accepted handshake with Unicode URL.
Solution:	Sanitize and validate URL paths to handle Unicode correctly.
Affected URL:	localhost:8081

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Vulnerability Summary by Type

Type	Count
Origin Check	0
Authentication	0
Fuzzing	0
Handshake	8
Payload Handling	0
Session Management	0
Subprotocol	0
Security	0
DoS	2
Cross-Origin	0
Other	4

Vulnerability Distribution by Type