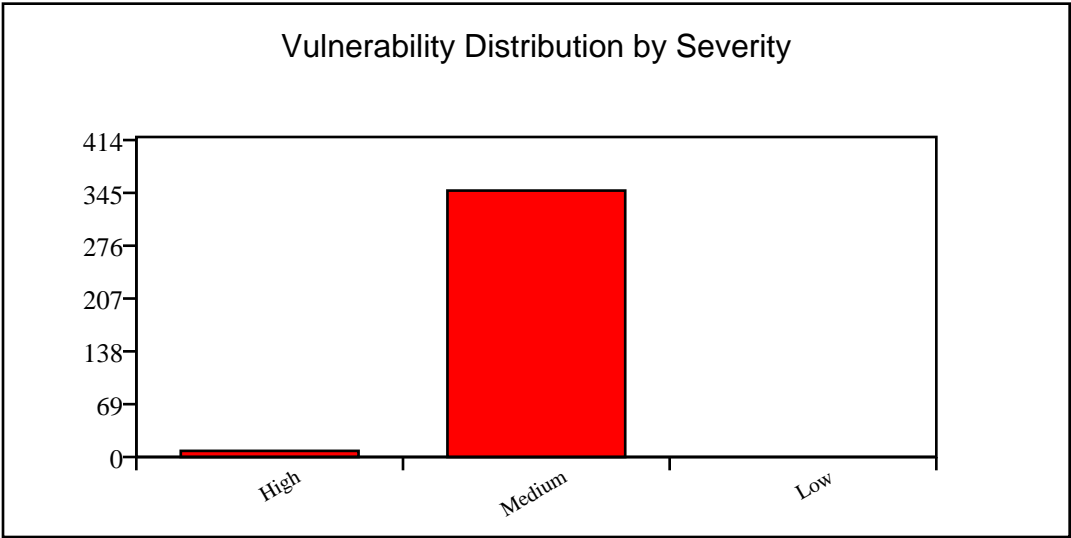


WebSocket Security Scan Report

Executive Summary

Scan Start Time:	2025-06-12 14:24:53
Scan End Time:	2025-06-12 14:25:37
Total Scan Duration:	43.61 seconds
Total URLs Scanned:	2
High Severity Vulnerabilities:	8
Medium Severity Vulnerabilities:	348
Low Severity Vulnerabilities:	0



Detailed Scan Results

Target URL: http://192.168.110.1:8080

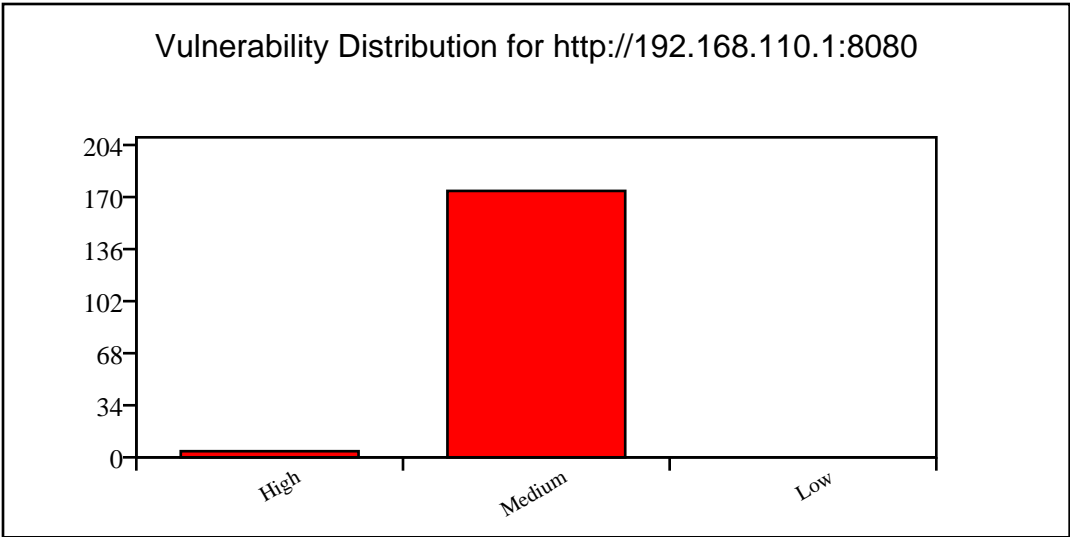
Scan Duration:	24.79 seconds
URLs Crawled:	1
WebSocket Endpoints Found:	2
Attack Performed:	True
Attack Type:	WebSocket Tests
High Severity Findings:	4
Medium Severity Findings:	174
Low Severity Findings:	0

WebSocket Endpoints:

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

Crawled URLs:

#	URL
1	http://192.168.110.1:8080



Detected Vulnerabilities:

Name:	Missing Origin Check
Risk Level:	High
Description:	WebSocket at ws://localhost:8081 accepts connections from unauthorized origin 'http://malicious-site.com'.
Solution:	Implement strict Origin header validation (whitelist allowed domains).
Affected URL:	ws://localhost:8081

Name:	Missing Origin Check
Risk Level:	High
Description:	WebSocket at ws://localhost:8081/ accepts connections from unauthorized origin 'http://malicious-site.com'.
Solution:	Implement strict Origin header validation (whitelist allowed domains).
Affected URL:	ws://localhost:8081/

Name:	Missing Authentication
Risk Level:	High
Description:	WebSocket at ws://localhost:8081 allows unauthenticated connections and responds with data.
Solution:	Require authentication (e.g., JWT, API keys) for WebSocket connections.
Affected URL:	ws://localhost:8081

Name:	Missing Authentication
Risk Level:	High
Description:	WebSocket at ws://localhost:8081/ allows unauthenticated connections and responds with data.
Solution:	Require authentication (e.g., JWT, API keys) for WebSocket connections.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Malformed JSON to test parsing errors...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: "type": "invalid_json",...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: "data": "unclosed bracket...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # XSS attempt to check for reflected scripts...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: alert('XSS')...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Large payload to test buffer overflow or DoS...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"type": "large_payload", "data": "A" * 1000000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid WebSocket frame (binary data)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x00\xff\xfe\xfd...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Command injection attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"command": "whoami; ls"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # SQL injection attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"query": "SELECT * FROM users WHERE id = '1' OR '..."
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Expression evaluation attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \${{7*7}}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Null bytes to test input sanitization...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"data": "\0\0\0"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Oversized header-like input...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"headers": "X" * 5000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid UTF-8 sequence...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"data": "\xFF\xFE\xFD"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Empty message...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Malformed protocol message...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: GET / HTTP/1.1...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Host: example.com...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Upgrade: websocket...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Connection: Upgrade...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Unicode payload to test encoding issues (Vuln #1...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"data": "■■■■"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Oversized message for DoS (Vuln #58)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"message": "B" * 2000000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid opcode frame (Vuln #23) - Protocol Fuzzi...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x83\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Reserved opcode frame (Vuln #24) - Protocol Fuzz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x8B\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Zero-length fragment (Vuln #25) - Protocol Fuzzi...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x01\x00...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid payload length (Vuln #26) - Protocol Fuz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x0Atest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Negative payload length (Vuln #27) - Protocol Fu...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\xfftest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Mismatched payload (Vuln #28) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x04testtest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid masking key (Vuln #29) - Protocol Fuzzin...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x84\x00\x00\x00\x00test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Unmasked client frame (Vuln #30) - Protocol Fuzz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid RSV bits (Vuln #31) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \xC1\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Oversized control frame (Vuln #32) - Protocol Fu...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x89\x7E\x00\x7EAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Non-UTF-8 text (Vuln #33) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x02\xff\xff...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Null bytes in text (Vuln #34) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x05te\x00st...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Binary as text (Vuln #35) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x04\x00\xff\x00\xff...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Text as binary (Vuln #36) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x82\x04text...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid close code (Vuln #37) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x88\x04\x03\xE7OK...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Long close reason (Vuln #40) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x88\x7D\x03\xE8AAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Path traversal attempt (Vuln #74)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"path": "../../../etc/passwd"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Query parameter flood (Vuln #75)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"query": "param=" + "X" * 1000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # PostMessage abuse attempt (Vuln #68)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"message": "window.postMessage('malicious','*')"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Spoofed Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Origin: http://malicious.com...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Missing Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Origin:...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Origin: null...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Missing authentication cookie (Vuln #41)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Cookie:...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid authentication token (Vuln #43)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Authorization: Bearer invalid- token...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Expired authentication token (Vuln #42)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Malformed WebSocket frame with invalid opcode se...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \xFF\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Oversized WebSocket frame (Protocol Fuzzing)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x7F\x00\x00\x00\x00\x00\x00\x10\x00\x00{"data": "...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Malformed JSON to test parsing errors...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: "type": "invalid_json",...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: "data": "unclosed bracket...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # XSS attempt to check for reflected scripts...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: alert('XSS')...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Large payload to test buffer overflow or DoS...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"type": "large_payload", "data": "A" * 1000000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid WebSocket frame (binary data)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x00\xff\xfe\xfd...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Command injection attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"command": "whoami; ls"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # SQL injection attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"query": "SELECT * FROM users WHERE id = '1' OR '...'}
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Expression evaluation attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \${{7*7}}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Null bytes to test input sanitization...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"data": "\0\0\0"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Oversized header-like input...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"headers": "X" * 5000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid UTF-8 sequence...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"data": "\xFF\xFE\xFD"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Empty message...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Malformed protocol message...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: GET / HTTP/1.1...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Host: example.com...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Upgrade: websocket...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Connection: Upgrade...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Unicode payload to test encoding issues (Vuln #1...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"data": "■■■■"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Oversized message for DoS (Vuln #58)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"message": "B" * 2000000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid opcode frame (Vuln #23) - Protocol Fuzzi...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x83\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Reserved opcode frame (Vuln #24) - Protocol Fuzz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x8B\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Zero-length fragment (Vuln #25) - Protocol Fuzzi...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x01\x00...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid payload length (Vuln #26) - Protocol Fuz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x0Atest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Negative payload length (Vuln #27) - Protocol Fu...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\xfftest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Mismatched payload (Vuln #28) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x04testtest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid masking key (Vuln #29) - Protocol Fuzzin...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x84\x00\x00\x00\x00test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Unmasked client frame (Vuln #30) - Protocol Fuzz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid RSV bits (Vuln #31) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \xC1\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Oversized control frame (Vuln #32) - Protocol Fu...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x89\x7E\x00\x7EAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Non-UTF-8 text (Vuln #33) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x02\xff\xff...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Null bytes in text (Vuln #34) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x05te\x00st...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Binary as text (Vuln #35) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x04\x00\xff\x00\xff...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Text as binary (Vuln #36) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x82\x04text...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid close code (Vuln #37) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x88\x04\x03\xE7OK...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Long close reason (Vuln #40) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x88\x7D\x03\xE8AAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Path traversal attempt (Vuln #74)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"path": "../../../etc/passwd"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Query parameter flood (Vuln #75)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"query": "param=" + "X" * 1000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # PostMessage abuse attempt (Vuln #68)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"message": "window.postMessage('malicious','*')"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Spoofed Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Origin: http://malicious.com...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Missing Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Origin:...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Origin: null...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Missing authentication cookie (Vuln #41)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Cookie:...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid authentication token (Vuln #43)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Authorization: Bearer invalid- token...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Expired authentication token (Vuln #42)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Malformed WebSocket frame with invalid opcode se...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \xFF\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Oversized WebSocket frame (Protocol Fuzzing)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x7F\x00\x00\x00\x00\x00\x10\x00\x00{"data": "...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Target URL: http://192.168.237.1:8080

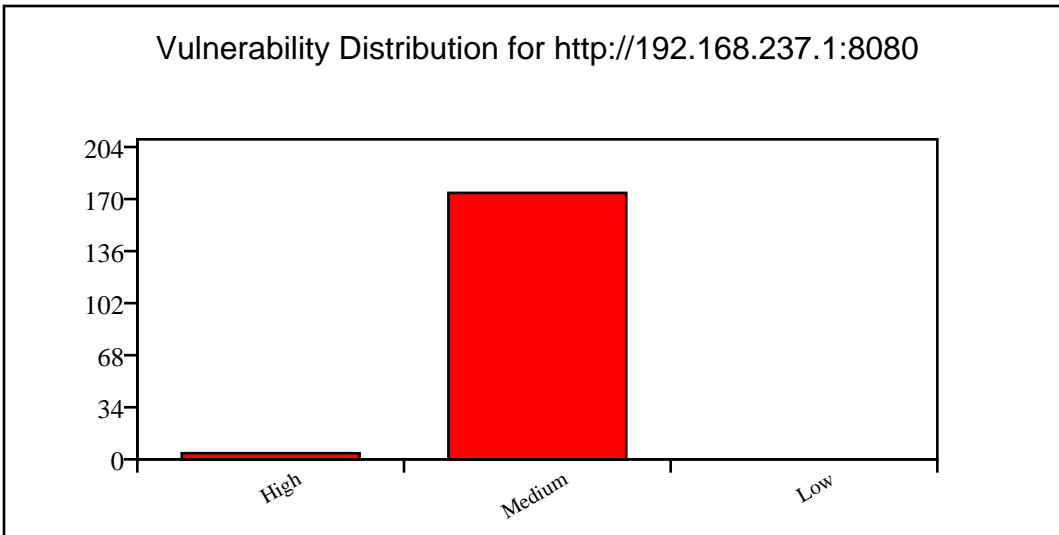
Scan Duration:	18.82 seconds
URLs Crawled:	1
WebSocket Endpoints Found:	2
Attack Performed:	True
Attack Type:	WebSocket Tests
High Severity Findings:	4
Medium Severity Findings:	174
Low Severity Findings:	0

WebSocket Endpoints:

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

Crawled URLs:

#	URL
1	http://192.168.237.1:8080



Detected Vulnerabilities:

Name:	Missing Origin Check
Risk Level:	High
Description:	WebSocket at ws://localhost:8081 accepts connections from unauthorized origin 'http://malicious-site.com'.
Solution:	Implement strict Origin header validation (whitelist allowed domains).
Affected URL:	ws://localhost:8081

Name:	Missing Origin Check
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Risk Level:	High
Description:	WebSocket at ws://localhost:8081/ accepts connections from unauthorized origin 'http://malicious-site.com'.
Solution:	Implement strict Origin header validation (whitelist allowed domains).
Affected URL:	ws://localhost:8081/

Name:	Missing Authentication
Risk Level:	High
Description:	WebSocket at ws://localhost:8081 allows unauthenticated connections and responds with data.
Solution:	Require authentication (e.g., JWT, API keys) for WebSocket connections.
Affected URL:	ws://localhost:8081

Name:	Missing Authentication
Risk Level:	High
Description:	WebSocket at ws://localhost:8081/ allows unauthenticated connections and responds with data.
Solution:	Require authentication (e.g., JWT, API keys) for WebSocket connections.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Malformed JSON to test parsing errors...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: "type": "invalid_json",...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: "data": "unclosed bracket...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # XSS attempt to check for reflected scripts...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: alert('XSS')...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Large payload to test buffer overflow or DoS...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"type": "large_payload", "data": "A" * 1000000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid WebSocket frame (binary data)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x00\xff\xfe\xfd...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Command injection attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"command": "whoami; ls"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # SQL injection attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"query": "SELECT * FROM users WHERE id = '1' OR '...'}
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Expression evaluation attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \${{7*7}}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Null bytes to test input sanitization...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"data": "\0\0\0"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Oversized header-like input...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"headers": "X" * 5000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid UTF-8 sequence...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"data": "\xFF\xFE\xFD"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Empty message...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Malformed protocol message...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: GET / HTTP/1.1...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Host: example.com...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Upgrade: websocket...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Connection: Upgrade...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Unicode payload to test encoding issues (Vuln #1...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"data": "■■■■"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Oversized message for DoS (Vuln #58)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"message": "B" * 2000000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid opcode frame (Vuln #23) - Protocol Fuzzi...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x83\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Reserved opcode frame (Vuln #24) - Protocol Fuzz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x8B\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Zero-length fragment (Vuln #25) - Protocol Fuzzi...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x01\x00...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid payload length (Vuln #26) - Protocol Fuz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x0Atest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Negative payload length (Vuln #27) - Protocol Fu...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\xfftest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Mismatched payload (Vuln #28) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x04testtest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid masking key (Vuln #29) - Protocol Fuzzin...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x84\x00\x00\x00\x00test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Unmasked client frame (Vuln #30) - Protocol Fuzz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid RSV bits (Vuln #31) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \xC1\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Oversized control frame (Vuln #32) - Protocol Fu...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x89\x7E\x00\x7EAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Non-UTF-8 text (Vuln #33) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x02\xff\xff...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Null bytes in text (Vuln #34) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x05te\x00st...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Binary as text (Vuln #35) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x04\x00\xff\x00\xff...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Text as binary (Vuln #36) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x82\x04text...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid close code (Vuln #37) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x88\x04\x03\xE7OK...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Long close reason (Vuln #40) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x88\x7D\x03\xe8AAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Path traversal attempt (Vuln #74)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"path": "../../../../etc/passwd"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Query parameter flood (Vuln #75)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"query": "param=" + "X" * 1000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # PostMessage abuse attempt (Vuln #68)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: {"message": "window.postMessage('malicious','*')"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Spoofed Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Origin: http://malicious.com...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Missing Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Origin:...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Origin: null...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Missing authentication cookie (Vuln #41)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Cookie:...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Invalid authentication token (Vuln #43)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Authorization: Bearer invalid- token...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Expired authentication token (Vuln #42)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Malformed WebSocket frame with invalid opcode se...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \xFF\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: # Oversized WebSocket frame (Protocol Fuzzing)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081 responds to malformed payload: \x81\x7F\x00\x00\x00\x00\x00\x10\x00\x00{"data": "...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Malformed JSON to test parsing errors...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: "type": "invalid_json",...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: "data": "unclosed bracket...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # XSS attempt to check for reflected scripts...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: alert('XSS')...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Large payload to test buffer overflow or DoS...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"type": "large_payload", "data": "A" * 1000000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid WebSocket frame (binary data)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x00\xff\xfe\xfd...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Command injection attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"command": "whoami; ls"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # SQL injection attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"query": "SELECT * FROM users WHERE id = '1' OR '...'}
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Expression evaluation attempt...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \${{7*7}}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Null bytes to test input sanitization...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"data": "\0\0\0"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Oversized header-like input...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"headers": "X" * 5000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid UTF-8 sequence...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"data": "\xFF\xFE\xFD"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Empty message...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Malformed protocol message...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: GET / HTTP/1.1...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Host: example.com...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Upgrade: websocket...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Connection: Upgrade...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Unicode payload to test encoding issues (Vuln #1...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"data": "■■■■"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Oversized message for DoS (Vuln #58)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"message": "B" * 2000000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid opcode frame (Vuln #23) - Protocol Fuzzi...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x83\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Reserved opcode frame (Vuln #24) - Protocol Fuzz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x8B\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Zero-length fragment (Vuln #25) - Protocol Fuzzi...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x01\x00...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid payload length (Vuln #26) - Protocol Fuz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x0Atest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Negative payload length (Vuln #27) - Protocol Fu...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\xfftest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Mismatched payload (Vuln #28) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x04testtest...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid masking key (Vuln #29) - Protocol Fuzzin...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x84\x00\x00\x00\x00test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Unmasked client frame (Vuln #30) - Protocol Fuzz...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid RSV bits (Vuln #31) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \xC1\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Oversized control frame (Vuln #32) - Protocol Fu...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x89\x7E\x00\x7EAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAA...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Non-UTF-8 text (Vuln #33) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x02\xff\xff...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Null bytes in text (Vuln #34) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x05te\x00st...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Binary as text (Vuln #35) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x04\x00\xff\x00\xff...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Text as binary (Vuln #36) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x82\x04text...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid close code (Vuln #37) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x88\x04\x03\xE7OK...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Long close reason (Vuln #40) - Protocol Fuzzing...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x88\x7D\x03\xE8AAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Path traversal attempt (Vuln #74)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"path": "../../../etc/passwd"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Query parameter flood (Vuln #75)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"query": "param=" + "X" * 1000}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # PostMessage abuse attempt (Vuln #68)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: {"message": "window.postMessage('malicious','*')"}...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Spoofed Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Origin: http://malicious.com...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Missing Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Origin:...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid Origin header for origin check (Vuln #65...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Origin: null...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Missing authentication cookie (Vuln #41)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Cookie:...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Invalid authentication token (Vuln #43)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Authorization: Bearer invalid- token...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Expired authentication token (Vuln #42)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Malformed WebSocket frame with invalid opcode se...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \xFF\x04test...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: # Oversized WebSocket frame (Protocol Fuzzing)...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Name:	Protocol Fuzzing Vulnerability
Risk Level:	Medium
Description:	WebSocket at ws://localhost:8081/ responds to malformed payload: \x81\x7F\x00\x00\x00\x00\x00\x10\x00\x00{"data": "...
Solution:	Implement robust input validation and reject malformed messages.
Affected URL:	ws://localhost:8081/

Vulnerability Summary by Type

Type	Count
Origin Check	4
Authentication	4
Fuzzing	348
Handshake	0
Payload Handling	0
Session Management	0
Subprotocol	0
Security	0
DoS	0
Cross-Origin	0
Other	0

