

# Vulnerability Assessment Report: demo.testfire.net

## SECURITY SCORE: 60/100

OVERALL RISK LEVEL: HIGH

**■■ EXPLOIT CHAIN DETECTED:** Multiple vulnerabilities found that can be combined to escalate privileges or steal sessions.

### 1. Network Scan Results (Nmap)

Port	Service	Version	Evidence
80	http	1.1	None
443	https		<b>ssl-cert:</b> Subject: commonName=demo.testfire.net Subject AltE...
8080	http	1.1	<b>http-title:</b> Altoro Mutual...
8443	https-alt		None

### 2. Web Vulnerability Results (Nikto)

```
- Nikto v2.1.5
-----
+ Target IP: 65.61.137.117
+ Target Hostname: demo.testfire.net
+ Target Port: 80
+ Start Time: 2026-02-24 02:33:20 (GMT0)
-----
+ Server: Apache-Coyote/1.1
+ The anti-clickjacking X-Frame-Options header is not present.
+ Cookie JSESSIONID created without the httponly flag
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ Allowed HTTP Methods: GET, HEAD, POST, PUT, DELETE, OPTIONS
+ OSVDB-397: HTTP method ('Allow' Header): 'PUT' method could allow clients to save files on the web server.
+ OSVDB-5646: HTTP method ('Allow' Header): 'DELETE' may allow clients to remove files on the web server.
+ DEBUG HTTP verb may show server debugging information. See http://msdn.microsoft.com/en-us/library/e8z01xdh%28VS.80%29.aspx for details.
+ 26 items checked: 0 error(s) and 6 item(s) reported on remote host
+ End Time: 2026-02-24 02:34:09 (GMT0) (49 seconds)
-----
+ 1 host(s) tested

[stderr]
+ ERROR: Host maximum execution time of 600 seconds reached
```

### 3. Crawled & Fuzzed Endpoints

- demo.testfire.net

## 4. Vulnerability Intelligence (CVE Mapping)

### Legacy Vulnerability Intelligence

- ■■ NOTICE: Our engine identified 5 legacy (pre-2016) vulnerabilities which were filtered.

## 5. Attack Possibilities & Mitigation

**[LOW] Attack:** Missing Anti-Clickjacking Protection

**Mitigation:** The X-Frame-Options header is missing. Implement DENY or SAMEORIGIN.

**[NOTE] Attack:** Missing Content-Security-Policy (CSP)

**Mitigation:** Implement a strict CSP header to prevent unauthorized script execution.

**[MEDIUM] Attack:** Insecure Session Management

**Mitigation:** Sensitive session cookies are missing HttpOnly/Secure flags.