

AI-Augmented Web Application Security Assessment

Target: <http://www.iphone.com/>

Report Date: 2025-06-25

Scan Date: 2025-06-25

Report Version: 1.0

Generated by: AutoPent.AI Security Assistant

Classification: CONFIDENTIAL

Distribution: Internal Use Only

This report contains confidential information and should be handled accordingly.

Executive Summary

This report presents the findings of an automated web application security assessment conducted using AI-augmented analysis. The assessment identified **7** potential security vulnerabilities across the target application.

Risk Distribution:

- High Risk: 1 vulnerabilities
- Medium Risk: 2 vulnerabilities
- Low Risk: 4 vulnerabilities
- Informational: 0 findings

Immediate Actions Required:

1. Address all high-risk vulnerabilities within 24-48 hours
2. Implement input validation and output encoding
3. Review and update security configurations
4. Conduct regular security assessments

Vulnerability Summary

| Vulnerability Name | Risk Level | Confidence | URL | CWE ID |
|--|------------|------------|---|--------|
| Missing Security Header: Strict-Transpor | Medium | High | http://www.iphome.com/ | N/A |
| Missing Security Header: X-Frame-Options | Medium | High | http://www.iphome.com/ | N/A |
| Missing Security Header: X-Content-Type- | Low | High | http://www.iphome.com/ | N/A |
| Missing Security Header: Referrer-Policy | Low | High | http://www.iphome.com/ | N/A |
| Information Disclosure - Server Header | Low | High | http://www.iphome.com/ | N/A |
| SSL Configuration Issue | High | High | http://www.iphome.com/ | N/A |
| Inline JavaScript Detected | Low | High | http://www.iphome.com/ | N/A |

Detailed Findings

SSL Configuration Issue [High Risk]

| Property | Value |
|--------------|------------------------|
| Risk Level | High |
| Confidence | High |
| CWE ID | Not specified |
| Affected URL | http://www.iphome.com/ |
| Parameter | |

Description: SSL/TLS configuration problem detected

Evidence: [SSL: CERTIFICATE_VERIFY_FAILED] certificate verify failed: Hostname mismatch, certificate is not valid for 'www.iphome.com'. (_ssl.c:1007)

Remediation: Fix SSL/TLS configuration and certificate issues

Affected Locations:

- http://www.iphome.com/

Missing Security Header: Strict-Transport-Security [Medium Risk]

| Property | Value |
|--------------|------------------------|
| Risk Level | Medium |
| Confidence | High |
| CWE ID | Not specified |
| Affected URL | http://www.iphome.com/ |
| Parameter | |

Description: HTTP Strict Transport Security (HSTS) header missing

Evidence: Header "Strict-Transport-Security" not found in response

Remediation: Add "Strict-Transport-Security: max-age=31536000; includeSubDomains" header

Affected Locations:

- http://www.iphome.com/

Missing Security Header: X-Frame-Options [Medium Risk]

| Property | Value |
|------------|---------------|
| Risk Level | Medium |
| Confidence | High |
| CWE ID | Not specified |

| | |
|--------------|------------------------|
| Affected URL | http://www.iphome.com/ |
| Parameter | |

Description: X-Frame-Options header missing - clickjacking protection

Evidence: Header "X-Frame-Options" not found in response

Remediation: Add "X-Frame-Options: DENY" or "X-Frame-Options: SAMEORIGIN" header

Affected Locations:

- http://www.iphome.com/

Missing Security Header: X-Content-Type-Options [Low Risk]

| Property | Value |
|--------------|------------------------|
| Risk Level | Low |
| Confidence | High |
| CWE ID | Not specified |
| Affected URL | http://www.iphome.com/ |
| Parameter | |

Description: X-Content-Type-Options header missing

Evidence: Header "X-Content-Type-Options" not found in response

Remediation: Add "X-Content-Type-Options: nosniff" header

Affected Locations:

- http://www.iphome.com/

Missing Security Header: Referrer-Policy [Low Risk]

| Property | Value |
|--------------|------------------------|
| Risk Level | Low |
| Confidence | High |
| CWE ID | Not specified |
| Affected URL | http://www.iphome.com/ |
| Parameter | |

Description: Referrer-Policy header missing

Evidence: Header "Referrer-Policy" not found in response

Remediation: Add "Referrer-Policy: strict-origin-when-cross-origin" header

Affected Locations:

- <http://www.iphome.com/>

Information Disclosure - Server Header [Low Risk]

| Property | Value |
|--------------|---|
| Risk Level | Low |
| Confidence | High |
| CWE ID | Not specified |
| Affected URL | http://www.iphome.com/ |
| Parameter | |

Description: Server header reveals technology information

Evidence: Server: DPS/2.0.0-beta+sha-8b3aac9

Remediation: Remove or obfuscate the Server header

Affected Locations:

- <http://www.iphome.com/>

Inline JavaScript Detected [Low Risk]

| Property | Value |
|--------------|---|
| Risk Level | Low |
| Confidence | High |
| CWE ID | Not specified |
| Affected URL | http://www.iphome.com/ |
| Parameter | |

Description: Found 5 inline JavaScript blocks

Evidence: Inline scripts can pose XSS risks

Remediation: Move JavaScript to external files and implement CSP

Affected Locations:

- <http://www.iphome.com/>

Recommendations

General Security Recommendations:

1. Implement a comprehensive input validation framework
2. Deploy proper output encoding mechanisms
3. Enable security headers (CSP, HSTS, X-Frame-Options)
4. Conduct regular security code reviews
5. Implement automated security testing in CI/CD pipeline
6. Establish an incident response plan
7. Provide security training for development team

Recommended Remediation Timeline:

- **Critical/High Risk:** Immediate action required (24-48 hours)
- **Medium Risk:** Address within 1-2 weeks
- **Low Risk:** Include in next maintenance cycle
- **Informational:** Monitor and review during next assessment