

Web Security Scan Report

This report summarizes the findings of the security scan conducted on <https://google-gruyere.appspot.com/373864509827697534264821121617306909531/>. The scan included vulnerability testing, subdomain discovery, and security header analysis. Below are the detailed results and recommendations.

Vulnerabilities Found

| | URL | Parameter | Severity | C |
|--------|---|---------------------------|----------|---|
| Header | https://google-gruyere.appspot.com/373864509827697534264821121617306909531/ | Strict-Transport-Security | Medium | |
| Header | https://google-gruyere.appspot.com/373864509827697534264821121617306909531/ | X-Frame-Options | Medium | |
| Header | https://google-gruyere.appspot.com/373864509827697534264821121617306909531/ | X-Content-Type-Options | Medium | |
| Header | https://google-gruyere.appspot.com/373864509827697534264821121617306909531/ | Content-Security-Policy | Medium | |
| Header | https://google-gruyere.appspot.com/373864509827697534264821121617306909531/ | Referrer-Policy | Medium | |
| Header | https://google-gruyere.appspot.com/373864509827697534264821121617306909531/ | Permissions-Policy | Medium | |

Recommendations for Vulnerabilities

Vulnerability: Missing Security Header

Description: Missing Strict-Transport-Security header: Ensures secure HTTPS connections

Recommendation: Add the Strict-Transport-Security header with appropriate values

Proof of Concept: N/A

Vulnerability: Missing Security Header

Description: Missing X-Frame-Options header: Prevents clickjacking attacks

Recommendation: Add the X-Frame-Options header with appropriate values

Proof of Concept: N/A

Vulnerability: Missing Security Header

Description: Missing X-Content-Type-Options header: Prevents MIME-type sniffing

Recommendation: Add the X-Content-Type-Options header with appropriate values

Proof of Concept: N/A

Vulnerability: Missing Security Header

Description: Missing Content-Security-Policy header: Controls resource loading

Recommendation: Add the Content-Security-Policy header with appropriate values

Proof of Concept: N/A

Vulnerability: Missing Security Header

Description: Missing Referrer-Policy header: Controls referrer information

Recommendation: Add the Referrer-Policy header with appropriate values

Proof of Concept: N/A

Vulnerability: Missing Security Header

Description: Missing Permissions-Policy header: Controls browser features

Recommendation: Add the Permissions-Policy header with appropriate values

Proof of Concept: N/A

General Security Recommendations

General Recommendations:

1. Implement all missing security headers.
2. Conduct regular security header audits.
3. Use HTTPS across all pages and subdomains.
4. Maintain a minimal attack surface by disabling unused features.
5. Monitor security headers using tools like SecurityHeaders.com.