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	
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.