Website Vulnerability Scanner Report

✓ **https://eecs581.web.app/**

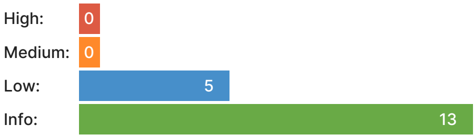
The Light Website Scanner didn't check for critical issues like SQLi, XSS, Command Injection, XXE, etc. Upgrade to run Deep scans with 40+ tests and detect more vulnerabilities.

Summary

Overall risk level:

Low

Risk ratings:



Scan information:

Start time:	Mar 27, 2024 / 18:00:36
Finish time:	Mar 27, 2024 / 18:00:57
Scan duration:	21 sec
Tests performed:	18/18
Scan status:	Finished

Findings

Missing security header: Referrer-Policy

CONFIRMED

URL	Evidence
https://eecs581.web.app/	Response headers do not include the Referrer-Policy HTTP security header as well as the <meta> tag with name 'referrer' is not present in the response.

Details

Risk description:

The risk is that if a user visits a web page (e.g. "http://example.com/pricing/") and clicks on a link from that page going to e.g. "https://www.google.com", the browser will send to Google the full originating URL in the `Referer` header, assuming the Referrer-Policy header is not set. The originating URL could be considered sensitive information and it could be used for user tracking.

Recommendation:

The Referrer-Policy header should be configured on the server side to avoid user tracking and inadvertent information leakage. The value `no-referrer` of this header instructs the browser to omit the Referer header entirely.

References:

https://developer.mozilla.org/en-US/docs/Web/Security/Referer_header:_privacy_and_security_concerns

Classification:

CWE : CWE-693
OWASP Top 10 - 2013 : A5 - Security Misconfiguration
OWASP Top 10 - 2017 : A6 - Security Misconfiguration

Missing security header: X-Content-Type-Options

CONFIRMED

URL	Evidence
https://eecs581.web.app/	Response headers do not include the X-Content-Type-Options HTTP security header

Details

Risk description:

The risk is that lack of this header could make possible attacks such as Cross-Site Scripting or phishing in Internet Explorer browsers.

Recommendation:
We recommend setting the X-Content-Type-Options header such as `X-Content-Type-Options: nosniff` .

References:
https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-Content-Type-Options

Classification:
CWE : CWE-693
OWASP Top 10 - 2013 : A5 - Security Misconfiguration
OWASP Top 10 - 2017 : A6 - Security Misconfiguration

Missing security header: Content-Security-Policy

CONFIRMED

URL	Evidence
https://eecs581.web.app/	Response does not include the HTTP Content-Security-Policy security header or meta tag

Details

Risk description:
The risk is that if the target application is vulnerable to XSS, lack of this header makes it easily exploitable by attackers.

Recommendation:
Configure the Content-Security-Header to be sent with each HTTP response in order to apply the specific policies needed by the application.

References:
https://cheatsheetseries.owasp.org/cheatsheets/Content_Security_Policy_Cheat_Sheet.html
https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Content-Security-Policy

Classification:
CWE : CWE-693
OWASP Top 10 - 2013 : A5 - Security Misconfiguration
OWASP Top 10 - 2017 : A6 - Security Misconfiguration

Robots.txt file found

CONFIRMED

URL
https://eecs581.web.app/robots.txt

Details

Risk description:
There is no particular security risk in having a robots.txt file. However, it's important to note that adding endpoints in it should not be considered a security measure, as this file can be directly accessed and read by anyone.

Recommendation:
We recommend you to manually review the entries from robots.txt and remove the ones which lead to sensitive locations in the website (ex. administration panels, configuration files, etc).

References:
https://www.theregister.co.uk/2015/05/19/robotstxt/

Classification:
OWASP Top 10 - 2013 : A5 - Security Misconfiguration
OWASP Top 10 - 2017 : A6 - Security Misconfiguration

Server software and technology found

UNCONFIRMED

Software / Version	Category
Emotion	JavaScript frameworks, Development
Google Analytics	Analytics

Firebase	Databases, Development
HTTP/3	Miscellaneous
MUI	UI frameworks
React	JavaScript frameworks
PWA	Miscellaneous
Webpack	Miscellaneous
Module Federation	Miscellaneous
reCAPTCHA	Security
HSTS	Security

Details

Risk description:
The risk is that an attacker could use this information to mount specific attacks against the identified software type and version.

Recommendation:
We recommend you to eliminate the information which permits the identification of software platform, technology, server and operating system: HTTP server headers, HTML meta information, etc.

References:
https://owasp.org/www-project-web-security-testing-guide/stable/4-Web_Application_Security_Testing/01-Information_Gathering/02-Fingerprint_Web_Server.html

Classification:
OWASP Top 10 - 2013 : A5 - Security Misconfiguration
OWASP Top 10 - 2017 : A6 - Security Misconfiguration

Website is accessible.

Nothing was found for vulnerabilities of server-side software.

Nothing was found for client access policies.

Nothing was found for absence of the security.txt file.

Nothing was found for use of untrusted certificates.

Nothing was found for enabled HTTP debug methods.

Nothing was found for secure communication.

Nothing was found for directory listing.

Nothing was found for missing HTTP header - Strict-Transport-Security.

Nothing was found for domain too loose set for cookies.

Nothing was found for HttpOnly flag of cookie.

Nothing was found for Secure flag of cookie.

Nothing was found for unsafe HTTP header Content Security Policy.

Scan coverage information

List of tests performed (18/18)

- ✓ Checking for website accessibility...
- ✓ Checking for missing HTTP header - Referrer...
- ✓ Checking for missing HTTP header - X-Content-Type-Options...
- ✓ Checking for missing HTTP header - Content Security Policy...
- ✓ Checking for website technologies...
- ✓ Checking for vulnerabilities of server-side software...
- ✓ Checking for client access policies...
- ✓ Checking for robots.txt file...
- ✓ Checking for absence of the security.txt file...
- ✓ Checking for use of untrusted certificates...
- ✓ Checking for enabled HTTP debug methods...
- ✓ Checking for secure communication...
- ✓ Checking for directory listing...
- ✓ Checking for missing HTTP header - Strict-Transport-Security...
- ✓ Checking for domain too loose set for cookies...
- ✓ Checking for HttpOnly flag of cookie...
- ✓ Checking for Secure flag of cookie...
- ✓ Checking for unsafe HTTP header Content Security Policy...

Scan parameters

Target:	https://eecs581.web.app/
Scan type:	Light
Authentication:	False

Scan stats

Unique Injection Points Detected:	2
URLs spidered:	8
Total number of HTTP requests:	16
Average time until a response was received:	79ms