ZAP by Checkmarx Scanning Report

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ZAP Version: 2.16.1

ZAP by **Checkmarx**

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About this report

Report parameters

Contexts

No contexts were selected, so all contexts were included by default.

Sites

The following sites were included:

http://localhosthttp://locahost

(If no sites were selected, all sites were included by default.)

An included site must also be within one of the included contexts for its data to be included in the report.

Risk levels

Included: High, Medium, Low, Informational

Excluded: None

Confidence levels

Included: User Confirmed, High, Medium, Low

Excluded: User Confirmed, High, Medium, Low, False Positive

Summaries

Alert counts by risk and confidence

This table shows the number of alerts for each level of risk and confidence included in the report.

(The percentages in brackets represent the count as a percentage of the total number of alerts included in the report, rounded to one decimal place.)

Confidence

		User				
		Confirmed	High	Medium	Low	Total
	High	0	0	0	0	0
		(0.0%)	(0.0%)	(0.0%)	(0.0%)	(0.0%)
	Medium	0	1	1	0	2
		(0.0%)	(11.1%)	(11.1%)	(0.0%)	(22.2%)
	Low	0	1	2	0	3
Risk		(0.0%)	(11.1%)	(22.2%)	(0.0%)	(33.3%)
	Information	0	1	3	0	4
	al	(0.0%)	(11.1%)	(33.3%)	(0.0%)	(44.4%)
	Total	0	3	6	0	9
		(0.0%)	(33.3%)	(66.7%)	(0.0%)	(100%)

Alert counts by site and risk

This table shows, for each site for which one or more alerts were raised, the number of alerts raised at each risk level.

Alerts with a confidence level of "False Positive" have been excluded from these counts.

(The numbers in brackets are the number of alerts raised for the site at or above that risk level.)

		Risk			
					Informatio
			Medium		nal
		High	(>= Mediu	Low	(>= Inform
		(= High)	m)	(>= Low)	ational)
	http://localhost	0	2	3	4
Site		(0)	(2)	(5)	(9)

Alert counts by alert type

This table shows the number of alerts of each alert type, together with the alert type's risk level.

(The percentages in brackets represent each count as a percentage, rounded to one decimal place, of the total number of alerts included in this report.)

Alert type	Risk	Count
Content Security Policy (CSP) Header Not	Medium	5
<u>Set</u>		(55.6%)
Missing Anti-clickjacking Header	Medium	5
		(55.6%)
Total		9

Alert type	Risk	Count
Cookie without SameSite Attribute	Low	1 (11.1%)
Server Leaks Version Information via	Low	12
<u>"Server" HTTP Response Header Field</u>		(133.3%)
X-Content-Type-Options Header Missing	Low	9
		(100.0%)
Authentication Request Identified	Informational	1
		(11.1%)
Modern Web Application	Informational	4
		(44.4%)
Session Management Response	Informational	2
Identified		(22.2%)
<u>User Agent Fuzzer</u>	Informational	12
		(133.3%)
Total		9

Alerts

Risk=Medium, Confidence=High (1)

http://localhost (1)

Content Security Policy (CSP) Header Not Set (1)

► GET http://localhost/DVWA/login.php

Risk=Medium, Confidence=Medium (1)

http://localhost (1)

Missing Anti-clickjacking Header (1)

► GET http://localhost/DVWA/login.php

Risk=Low, Confidence=High (1)

http://localhost(1)

<u>Server Leaks Version Information via "Server" HTTP Response Header Field</u> (1)

► GET http://localhost/DVWA

Risk=Low, Confidence=Medium (2)

http://localhost(2)

Cookie without SameSite Attribute (1)

► GET http://localhost/DVWA/

X-Content-Type-Options Header Missing (1)

► GET http://localhost/DVWA/login.php

Risk=Informational, Confidence=High (1)

http://localhost(1)

Authentication Request Identified (1)

► POST http://localhost/DVWA/login.php

Risk=Informational, Confidence=Medium (3)

http://localhost(3)

Modern Web Application (1)

► GET http://localhost/DVWA/index.php

Session Management Response Identified (1)

► GET http://localhost/DVWA/

User Agent Fuzzer (1)

► GET http://localhost/DVWA/vulnerabilities/xss_r/

Appendix

Alert types

This section contains additional information on the types of alerts in the report.

Content Security Policy (CSP) Header Not Set

Source raised by a passive scanner (<u>Content Security</u>

Policy (CSP) Header Not Set)

CWE ID 693

WASC ID 15

Reference

https://developer.mozilla.org/en-US/docs/

Web/Security/CSP/

<u>Introducing_Content_Security_Policy</u>

<u>https://cheatsheetseries.owasp.org/</u>

cheatsheets/

<u>Content_Security_Policy_Cheat_Sheet.html</u>

https://www.w3.org/TR/CSP/

https://w3c.github.io/webappsec-csp/

https://web.dev/articles/csp

https://caniuse.com/

#feat=contentsecuritypolicy

https://content-security-policy.com/

Missing Anti-clickjacking Header

Source raised by a passive scanner (<u>Anti-clickjacking</u>

Header)

CWE ID 1021

WASC ID 15

Reference • https://developer.mozilla.org/en-US/docs/

Web/HTTP/Headers/X-Frame-Options

Cookie without SameSite Attribute

Source raised by a passive scanner (<u>Cookie without</u>

SameSite Attribute)

CWE ID <u>1275</u>

WASC ID 13

Reference • https://tools.ietf.org/html/draft-ietf-httpbis-

cookie-same-site

Server Leaks Version Information via "Server" HTTP Response Header Field

Source raised by a passive scanner (<u>HTTP Server</u>

Response Header)

CWE ID <u>497</u>

WASC ID 13

Reference • https://httpd.apache.org/docs/current/mod/

core.html#servertokens

https://learn.microsoft.com/en-us/previous-

versions/msp-n-p/ff648552(v=pandp.10)

https://www.troyhunt.com/shhh-dont-let-your-

<u>response-headers/</u>

X-Content-Type-Options Header Missing

Source raised by a passive scanner (<u>X-Content-Type-</u>

Options Header Missing)

CWE ID 693

WASC ID 15

Reference • https://learn.microsoft.com/en-us/previous-

versions/windows/internet-explorer/ie-

developer/compatibility/gg622941(v=vs.85)

https://owasp.org/www-community/

<u>Security_Headers</u>

Authentication Request Identified

Source raised by a passive scanner (<u>Authentication</u>

Request Identified)

Reference • https://www.zaproxy.org/docs/desktop/

addons/authentication-helper/auth-req-id/

Modern Web Application

Source raised by a passive scanner (<u>Modern Web</u>

Application)

Session Management Response Identified

Source raised by a passive scanner (<u>Session</u>

Management Response Identified)

Reference https://www.zaproxy.org/docs/desktop/

addons/authentication-helper/session-mgmt-id

User Agent Fuzzer

Source raised by an active scanner (<u>User Agent</u>

Fuzzer)

Reference • https://owasp.org/wstg