ZAP by Checkmarx Scanning Report

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ZAP Version: 2.16.1

ZAP by <u>Checkmarx</u>

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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:

- https://firefox-settings-attachments.cdn.mozilla.net
- http://localhost:8082

(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	1	0	0	1
		(0.0%)	(11.1%)	(0.0%)	(0.0%)	(11.1%)
	Medium	0	1	1	0	2
		(0.0%)	(11.1%)	(11.1%)	(0.0%)	(22.2%)
	Low	0	1	1	1	3
Risk		(0.0%)	(11.1%)	(11.1%)	(11.1%)	(33.3%)
	Information	0	0	2	1	3
	al	(0.0%)	(0.0%)	(22.2%)	(11.1%)	(33.3%)
	Total	0	3	4	2	9
		(0.0%)	(33.3%)	(44.4%)	(22.2%)	(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)
Site	https://firefox-se	0	0	2	2
	ttings-attachment	(0)	(0)	(2)	(4)
	s.cdn.mozilla.net				
	http://localhost:8	1	2	1	1
	082	(1)	(3)	(4)	(5)

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
Cross Site Scripting (DOM Based)	High	2
		(22.2%)
Tabal		
lotal		9

LAF by Checkin	arx scanning Report	
Alert type	Risk	Count
<u>Content Security Policy (CSP) Header Not Set</u>	Medium	1 (11.1%)
Missing Anti-clickjacking Header	Medium	1 (11.1%)
Strict-Transport-Security Header Not Set	Low	2 (22.2%)
<u>Timestamp Disclosure - Unix</u>	Low	2 (22.2%)
X-Content-Type-Options Header Missing	Low	4 (44.4%)
Modern Web Application	Informational	1 (11.1%)
Re-examine Cache-control Directives	Informational	2 (22.2%)
Retrieved from Cache	Informational	4 (44.4%)
Total		9

Alerts

Risk=High, Confidence=High (1)

http://localhost:8082 (1)

Cross Site Scripting (DOM Based) (1)

► GET http://localhost:8082/xss.html?name=abc#

Risk=Medium, Confidence=High (1)

http://localhost:8082 (1)

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

► GET http://localhost:8082/xss.html

Risk=Medium, Confidence=Medium (1)

http://localhost:8082 (1)

Missing Anti-clickjacking Header (1)

► GET http://localhost:8082/xss.html

Risk=Low, Confidence=High (1)

https://firefox-settings-attachments.cdn.mozilla.net (1)

Strict-Transport-Security Header Not Set (1)

► GET https://firefox-settingsattachments.cdn.mozilla.net/main-workspace/trackingprotection-lists/ffc59054-61a2-437e-aa8b-67299d879fd8

Risk=Low, Confidence=Medium (1)

http://localhost:8082 (1)

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

▶ GET http://localhost:8082/xss.html

Risk=Low, Confidence=Low (1)

```
https://firefox-settings-attachments.cdn.mozilla.net (1)
```

Timestamp Disclosure - Unix (1)

► GET https://firefox-settingsattachments.cdn.mozilla.net/main-workspace/trackingprotection-lists/ffc59054-61a2-437e-aa8b-67299d879fd8

Risk=Informational, Confidence=Medium (2)

```
https://firefox-settings-attachments.cdn.mozilla.net (1)
```

Retrieved from Cache (1)

► GET https://firefox-settingsattachments.cdn.mozilla.net/main-workspace/trackingprotection-lists/ffc59054-61a2-437e-aa8b-67299d879fd8

http://localhost:8082 (1)

Modern Web Application (1)

► GET http://localhost:8082/xss.html

Risk=Informational, Confidence=Low (1)

https://firefox-settings-attachments.cdn.mozilla.net (1)

Re-examine Cache-control Directives (1)

► GET https://firefox-settingsattachments.cdn.mozilla.net/main-workspace/trackingprotection-lists/ffc59054-61a2-437e-aa8b-67299d879fd8

Appendix

Alert Types

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

Cross Site Scripting (DOM Based)

raised by an active scanner (<u>Cross Site Scripting</u>
(<u>DOM Based</u>))

CWE ID <u>79</u>

WASC ID 8

Reference https://owasp.org/www-community/attacks/xss/

https://cwe.mitre.org/data/definitions/79.html

Content Security Policy (CSP) Header Not Set

Source

raised by a passive scanner (<u>Content Security</u> <u>Policy (CSP) Header Not Set</u>)

CWE ID

693

WASC ID

15

Reference

 https://developer.mozilla.org/en-US/docs/Web/Security/CSP/Introducing Content Security Policy

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https://cheatsheetseries.owasp.org/cheatsheets/ Content Security Policy Cheat Sheet.html

- 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

Strict-Transport-Security Header Not Set

Source raised by a passive scanner (<u>Strict-Transport-</u>

Security Header)

CWE ID 319

WASC ID 15

Reference

https://cheatsheetseries.owasp.org/cheatsheets/ HTTP Strict Transport Security Cheat Sheet.ht ml

https://owasp.org/wwwcommunity/Security Headers

https://en.wikipedia.org/wiki/HTTP Strict Transport Security

- https://caniuse.com/stricttransportsecurity
- https://datatracker.ietf.org/doc/html/rfc6797

Timestamp Disclosure - Unix

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

Disclosure)

CWE ID <u>497</u>

WASC ID 13

Reference •

https://cwe.mitre.org/data/definitions/200.html

X-Content-Type-Options Header Missing

Source

raised by a passive scanner (<u>X-Content-Type-Options Header Missing</u>)

CWE ID

693

WASC ID

15

Reference

- https://learn.microsoft.com/en-us/previousversions/windows/internet-explorer/iedeveloper/compatibility/gg622941(v=vs.85)
- https://owasp.org/wwwcommunity/Security Headers

Modern Web Application

Source

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

Re-examine Cache-control Directives

Source

raised by a passive scanner (<u>Re-examine Cache-</u>control Directives)

CWE ID

525

WASC ID

13

Reference

https://cheatsheetseries.owasp.org/cheatsheets/ Session Management Cheat Sheet.html#webcontent-caching

 https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Cache-Control



 https://grayduck.mn/2021/09/13/cachecontrol-recommendations/

Retrieved from Cache

Source

raised by a passive scanner (<u>Retrieved from Cache</u>)

Reference

- https://tools.ietf.org/html/rfc7234
- https://tools.ietf.org/html/rfc7231
- https://www.rfc-editor.org/rfc/rfc9110.html

