# TourRadar ZAP Scanning Report

Generated with QZAP on Thu 16 Mar 2023, at 09:29:40

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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://aus5.mozilla.org
- https://firefox-settings-attachments.cdn.mozilla.net
- https://csm.fr.eu.criteo.net
- https://x.bidswitch.net
- https://exchange.mediavine.com
- https://ad.360yield.com
- https://ad.yieldlab.net
- https://simage2.pubmatic.com
- https://secure.adnxs.com
- https://ups.analytics.yahoo.com
- https://visitor.omnitagjs.com
- https://criteo-sync.teads.tv
- https://cm.g.doubleclick.net
- https://rtb-csync.smartadserver.com
- https://a.twiago.com
- https://matching.ivitrack.com
- https://sslwidget.criteo.com
- https://ag.gbc.criteo.com
- https://gem.gbc.criteo.com

- https://www.gstatic.com
- https://www.facebook.com
- https://in.hotjar.com
- https://dnacdn.net
- https://accounts.google.com
- https://script.hotjar.com
- https://gum.criteo.com
- https://connect.facebook.net
- https://static.criteo.net
- https://static.hotjar.com
- https://apis.google.com
- https://storage.googleapis.com
- https://www.google.com
- https://stats.g.doubleclick.net
- https://www.google.at
- https://region1.analytics.google.com
- https://omnimove.tourradar.com
- https://csp.tourradar.com
- https://www.google-analytics.com
- https://cdn.tourradar.com
- https://www.googletagmanager.com
- https://tracking-protection.cdn.mozilla.net
- https://www.tourradar.com
- https://shavar.services.mozilla.com
- https://content-signature-2.cdn.mozilla.net
- https://firefox.settings.services.mozilla.com
- https://location.services.mozilla.com

(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	1	0	1
		(0.0%)	(0.0%)	(3.7%)	(0.0%)	(3.7%)
	Medium	0	5	2	0	7
		(0.0%)	(18.5%)	(7.4%)	(0.0%)	(25.9%)
	Low	0	3	6	1	10
Risk		(0.0%)	(11.1%)	(22.2%)	(3.7%)	(37.0%)
	Informationa	0	1	3	5	9
	1	(0.0%)	(3.7%)	(11.1%)	(18.5%)	(33.3%)
	Total	0	9	12	6	27
		(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

					Information al
		High	Medium	Low	(>= Informa
		(= High)	(>= Medium)	(>= Low)	tional)
Site	https://aus5.mozill	0	0	0	1
	a.org	(0)	(0)	(0)	(1)
	https://exchange.me	0	0	0	1
	diavine.com	(0)	(0)	(0)	(1)
	https://cm.g.double	0	0	0	1
	click.net	(0)	(0)	(0)	(1)
	https://accounts.go	0	3	1	0
	ogle.com	(0)	(3)	(4)	(4)
	https://gum.criteo.	1	0	2	1
	com	(1)	(1)	(3)	(4)
	https://region1.ana	0	1	0	0
	lytics.google.com	(0)	(1)	(1)	(1)
	https://www.google-	0	0	0	1
	analytics.com	(0)	(0)	(0)	(1)
	https://cdn.tourrad	0	0	1	0
	ar.com	(0)	(0)	(1)	(1)
	https://www.tourrad	0	2	2	2
	ar.com	(0)	(2)	(4)	(6)
	https://shavar.serv	0	0	1	0
	ices.mozilla.com	(0)	(0)	(1)	(1)
	https://content-sig	0	0	3	1
	nature-2.cdn.mozill a.net	(0)	(0)	(3)	(4)

#### Risk

				Information
				ā
	High	Medium	Low	(>= Inform
	(= High)	<pre>(&gt;= Medium)</pre>	(>= Low)	tional
https://firefox.set	0	0	0	
tings.services.mozi	(0)	(0)	(0)	(1
lla.com				
https://location.se	0	1	0	
rvices.mozilla.com	(0)	(1)	(1)	(1

# 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
<u>Open Redirect</u>	High	1 (3.7%)
CSP: Wildcard Directive	Medium	3 (11.1%)
CSP: script-src unsafe-inline	Medium	2 (7.4%)
CSP: style-src unsafe-inline	Medium	3 (11.1%)
Content Security Policy (CSP) Header Not Set	Medium	7 (25.9%)
Cross-Domain Misconfiguration	Medium	64
Total		27

Alert type	Risk	Count (237.0%)
<u>Missing Anti-clickjacking Header</u>	Medium	(22.2%)
Session ID in URL Rewrite	Medium	1 (3.7%)
CSP: Notices	Low	(11.1%)
Cookie No HttpOnly Flag	Low	13 (48.1%)
Cookie with SameSite Attribute None	Low	16 (59.3%)
Cookie without SameSite Attribute	Low	4 (14.8%)
Cross-Domain JavaScript Source File Inclusion	Low	2 (7.4%)
<u>Private IP Disclosure</u>	Low	2 (7.4%)
Server Leaks Version Information via "Server" HTTP Response Header Field	Low	1546 (5,725.9%)
Strict-Transport-Security Header Not Set	Low	1 <b>554</b> (5,755.6%)
<u>Timestamp Disclosure - Unix</u>	Low	78 (288.9%)
X-Content-Type-Options Header Missing	Low	1568 (5,807.4%)
Total		27

	0 1	
Alert type	Risk	Count
<u>Charset Mismatch</u>	Informational	1
		(3.7%)
Content Security Policy (CSP) Report-	Informational	2
Only Header Found		(7.4%)
Cookie Poisoning	Informational	1
		(3.7%)
<u>Information Disclosure - Sensitive</u>	Informational	4
<u>Information in URL</u>		(14.8%)
<u>Information Disclosure - Suspicious</u>	Informational	40
<u>Comments</u>		(148.1%)
Loosely Scoped Cookie	Informational	7
		(25.9%)
Modern Web Application	Informational	4
		(14.8%)
Re-examine Cache-control Directives	Informational	47
		(174.1%)
Retrieved from Cache	Informational	1588
		(5,881.5%)
Total		27

# **Alerts**

Risk=High, Confidence=Medium (1)

https://gum.criteo.com (1)

**Open Redirect (1)** 

► GET https://gum.criteo.com/sync? c=8&r=1&a=1&u=https%3A%2F%2Fdpm.demdex.net%2Fibs%3Adpid%3D2864 5%26dpuuid%3D%40USERID%40

#### Risk=Medium, Confidence=High (5)

https://accounts.google.com (3)

#### **CSP: Wildcard Directive** (1)

▶ GET https://accounts.google.com/o/oauth2/iframe

# CSP: script-src unsafe-inline (1)

► GET https://accounts.google.com/o/oauth2/iframe

#### CSP: style-src unsafe-inline (1)

▶ GET https://accounts.google.com/o/oauth2/iframe

https://region1.analytics.google.com (1)

#### **Session ID in URL Rewrite** (1)

► POST https://region1.analytics.google.com/g/collect? v=2&tid=G-

https://www.tourradar.com (1)

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

► GET https://www.tourradar.com/d/europe

#### Risk=Medium, Confidence=Medium (2)

https://www.tourradar.com (1)

#### Missing Anti-clickjacking Header (1)

► GET https://www.tourradar.com/d/europe

https://location.services.mozilla.com (1)

# **Cross-Domain Misconfiguration** (1)

► GET https://location.services.mozilla.com/v1/country? key=7e40f68c-7938-4c5d-9f95-e61647c213eb

#### Risk=Low, Confidence=High (3)

https://accounts.google.com (1)

#### CSP: Notices (1)

▶ GET https://accounts.google.com/o/oauth2/iframe

https://content-signature-2.cdn.mozilla.net (2)

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

- ▶ GET https://content-signature-
- 2.cdn.mozilla.net/chains/remote-settings.contentsignature.mozilla.org-2023-04-30-16-53-14.chain

# **Strict-Transport-Security Header Not Set (1)**

- ► GET https://content-signature-
- 2.cdn.mozilla.net/chains/remote-settings.contentsignature.mozilla.org-2023-04-30-16-53-14.chain

#### Risk=Low, Confidence=Medium (6)

https://gum.criteo.com (2)

# **Cookie No HttpOnly Flag** (1)

► GET https://gum.criteo.com/syncframe? topUrl=www.tourradar.com&origin=onetag

# **Cookie with SameSite Attribute None (1)**

► GET https://gum.criteo.com/syncframe? topUrl=www.tourradar.com&origin=onetag

https://cdn.tourradar.com (1)

#### **Private IP Disclosure (1)**

▶ GET

https://cdn.tourradar.com/include/pw/serp/async.v1678885244.cs
s

https://www.tourradar.com (2)

### **Cookie without SameSite Attribute (1)**

► GET https://www.tourradar.com/d/europe

# **Cross-Domain JavaScript Source File Inclusion (1)**

► GET https://www.tourradar.com/d/europe

https://content-signature-2.cdn.mozilla.net (1)

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

- ► GET https://content-signature-
- 2.cdn.mozilla.net/chains/remote-settings.content-

signature.mozilla.org-2023-04-30-16-53-14.chain

# Risk=Low, Confidence=Low (1)

https://shavar.services.mozilla.com (1)

#### <u>Timestamp Disclosure - Unix</u> (1)

► POST https://shavar.services.mozilla.com/downloads? client=navclient-auto-ffox&appver=111.0&pver=2.2

#### Risk=Informational, Confidence=High (1)

https://www.tourradar.com (1)

#### **Content Security Policy (CSP) Report-Only Header Found (1)**

► GET https://www.tourradar.com/d/europe

#### Risk=Informational, Confidence=Medium (3)

https://cm.g.doubleclick.net (1)

# <u>Information Disclosure - Sensitive Information in URL</u> (1)

► GET https://cm.g.doubleclick.net/pixel?
google\_nid=cjp&google\_sc&google\_ula=913071&CriteoUserId=kaN2TxzdC4Uv8n1vtscWUy\_oPmFiAXUCu6ziNcw&google\_cm&google\_hm=ay1
hTjJUeHpkQzRVdjhuMXZ0c2NXVXlfb1BtRmlBWFVDdTZ6aU5jdw

https://www.tourradar.com (1)

# **Modern Web Application** (1)

► GET https://www.tourradar.com/d/europe

https://content-signature-2.cdn.mozilla.net (1)

# **Retrieved from Cache** (1)

- ► GET https://content-signature-
- 2.cdn.mozilla.net/chains/remote-settings.contentsignature.mozilla.org-2023-04-30-16-53-14.chain

# Risk=Informational, Confidence=Low (5)

https://aus5.mozilla.org (1)

### **Charset Mismatch (1)**

▶ GET

https://aus5.mozilla.org/update/3/SystemAddons/111.0/202303092 32128/WINNT\_x86\_64-msvc-

x64/de/release/Windows\_NT%2010.0.0.0.19044.2364%20(x64)/default/default/update.xml

https://exchange.mediavine.com (1)

# **Cookie Poisoning** (1)

► GET https://exchange.mediavine.com/usersync/push? partner=criteo&partnerId=k-NoBhRjdC4Uv8n1vtscWUy\_oPmFgvlnMoTOHHA5IUXDgSTG4b

https://gum.criteo.com (1)

# **Loosely Scoped Cookie** (1)

► GET https://gum.criteo.com/syncframe? topUrl=www.tourradar.com&origin=onetag

https://www.google-analytics.com (1)

# **Information Disclosure - Suspicious Comments (1)**

▶ GET https://www.google-analytics.com/analytics.js

https://firefox.settings.services.mozilla.com (1)

# **Re-examine Cache-control Directives** (1)

▶ GET

https://firefox.settings.services.mozilla.com/v1/buckets/monit or/collections/changes/changeset?collection=querystripping&bucket=main&\_expected=0

# **Appendix**

#### Alert types

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

# **Open Redirect**

**Source** raised by a passive scanner (<u>Open Redirect</u>)

**CWE ID** <u>601</u>

WASC ID 38

Reference -

https://cheatsheetseries.owasp.org/cheatsheets/ s/Unvalidated Redirects and Forwards Cheat

<u>Sheet.html</u>

https://cwe.mitre.org/data/definitions/601.html

#### **CSP: Wildcard Directive**

**Source** raised by a passive scanner (<u>CSP</u>)

**CWE ID** 693

WASC ID 15

Reference <a href="http://www.w3.org/TR/CSP2/">http://www.w3.org/TR/CSP2/</a>

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

http://caniuse.com/#search=content+security
+policy

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

https://github.com/shapesecurity/salvation

https://developers.google.com/web/fundamen tals/security/csp#policy\_applies\_to\_a\_wide\_va riety\_of\_resources

# **CSP:** script-src unsafe-inline

**Source** raised by a passive scanner (<u>CSP</u>)

**CWE ID** 693

WASC ID 15

**Reference** • <a href="http://www.w3.org/TR/CSP2/">http://www.w3.org/TR/CSP2/</a>

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

http://caniuse.com/#search=content+security
+policy

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

https://github.com/shapesecurity/salvation

https://developers.google.com/web/fundamen tals/security/csp#policy applies to a wide va riety of resources

### **CSP:** style-src unsafe-inline

**Source** raised by a passive scanner (<u>CSP</u>)

**CWE ID** 693

WASC ID 15

Reference <a href="http://www.w3.org/TR/CSP2/">http://www.w3.org/TR/CSP2/</a>

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

http://caniuse.com/#search=content+security +policy

- http://content-security-policy.com/
- https://github.com/shapesecurity/salvation

https://developers.google.com/web/fundamen tals/security/csp#policy applies to a wide va riety of resources

# **Content Security Policy (CSP) Header Not Set**

Source raised by a passive scanner (Content Security

Policy (CSP) Header Not Set)

**CWE ID** 693

WASC ID 15

Reference https://developer.mozilla.org/en-

US/docs/Web/Security/CSP/Introducing Conte

nt Security Policy

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

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

http://w3c.github.io/webappsec/specs/content

-security-policy/csp-specification.dev.html

http://www.html5rocks.com/en/tutorials/secur ity/content-security-policy/

http://caniuse.com/#feat=contentsecuritypolic

<u>y</u>

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

# **Cross-Domain Misconfiguration**

**Source** raised by a passive scanner (<u>Cross-Domain</u>

Misconfiguration)

**CWE ID** <u>264</u>

WASC ID 14

**Reference** • <a href="https://vulncat.fortify.com/en/detail?">https://vulncat.fortify.com/en/detail?</a>

id=desc.config.dotnet.html5\_overly\_permissiv

e cors policy

# Missing Anti-clickjacking Header

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

**Header**)

**CWE ID** 1021

WASC ID 15

Reference • <a href="https://developer.mozilla.org/en-">https://developer.mozilla.org/en-</a>

<u>US/docs/Web/HTTP/Headers/X-Frame-Options</u>

#### **Session ID in URL Rewrite**

**Source** raised by a passive scanner (<u>Session ID in URL</u>

Rewrite)

**CWE ID** <u>200</u>

WASC ID 13

Reference •

http://seclists.org/lists/webappsec/2002/Oct-

#### Dec/0111.html

**CSP: Notices** 

**Source** raised by a passive scanner (<u>CSP</u>)

**CWE ID** 693

WASC ID 15

**Reference** • <a href="http://www.w3.org/TR/CSP2/">http://www.w3.org/TR/CSP2/</a>

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

http://caniuse.com/#search=content+security

<u>+policy</u>

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

https://github.com/shapesecurity/salvation

https://developers.google.com/web/fundamen tals/security/csp#policy\_applies\_to\_a\_wide\_va riety\_of\_resources

# **Cookie No HttpOnly Flag**

**Source** raised by a passive scanner (Cookie No

<u>HttpOnly Flag</u>)

**CWE ID** 1004

WASC ID 13

Reference • <a href="https://owasp.org/www-">https://owasp.org/www-</a>

community/HttpOnly

#### **Cookie with SameSite Attribute None**

**Source** raised by a passive scanner (Cookie without

SameSite Attribute)

**CWE ID** <u>1275</u>

WASC ID 13

Reference <a href="https://tools.ietf.org/html/draft-ietf-httpbis-">https://tools.ietf.org/html/draft-ietf-httpbis-</a>

cookie-same-site

#### **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 <a href="https://tools.ietf.org/html/draft-ietf-httpbis-">https://tools.ietf.org/html/draft-ietf-httpbis-</a>

cookie-same-site

# **Cross-Domain JavaScript Source File Inclusion**

**Source** raised by a passive scanner (<u>Cross-Domain</u>

JavaScript Source File Inclusion)

**CWE ID** 829

WASC ID 15

#### **Private IP Disclosure**

**Source** raised by a passive scanner (<u>Private IP</u>

Disclosure)

**CWE ID** 200

WASC ID 13

Reference

https://tools.ietf.org/html/rfc1918

# **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>200</u>

WASC ID 13

Reference -

http://httpd.apache.org/docs/current/mod/cor

e.html#servertokens

http://msdn.microsoft.com/en-

us/library/ff648552.aspx#ht\_urlscan\_007

http://blogs.msdn.com/b/varunm/archive/201

3/04/23/remove-unwanted-http-response-

<u>headers.aspx</u>

http://www.troyhunt.com/2012/02/shhh-

dont-let-your-response-headers.html

# **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/cheatsheet

s/HTTP Strict Transport Security Cheat Shee

<u>t.html</u>

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

http://en.wikipedia.org/wiki/HTTP\_Strict\_Trans port\_Security

- http://caniuse.com/stricttransportsecurity
- http://tools.ietf.org/html/rfc6797

# **Timestamp Disclosure - Unix**

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

**Disclosure**)

**CWE ID** <u>200</u>

WASC ID 13

Reference -

http://projects.webappsec.org/w/page/132469

36/Information%20Leakage

# X-Content-Type-Options Header Missing

**Source** raised by a passive scanner (X-Content-Type-

Options Header Missing)

**CWE ID** 693

WASC ID 15

Reference • <a href="http://msdn.microsoft.com/en-">http://msdn.microsoft.com/en-</a>

<u>us/library/ie/gg622941%28v=vs.85%29.aspx</u>

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

#### **Charset Mismatch**

**Source** raised by a passive scanner (<u>Charset</u>

Mismatch)

**CWE ID** <u>436</u>

WASC ID 15

Reference -

http://code.google.com/p/browsersec/wiki/Par t2#Character set handling and detection

# Content Security Policy (CSP) Report-Only Header Found

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

Policy (CSP) Header Not Set)

**CWE ID** <u>693</u>

WASC ID 15

**Reference** • <a href="https://www.w3.org/TR/CSP2/">https://www.w3.org/TR/CSP2/</a>

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

http://caniuse.com/#feat=contentsecuritypolic

.<u>y.</u>

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

# **Cookie Poisoning**

**Source** raised by a passive scanner (<u>Cookie Poisoning</u>)

CWE ID 20

WASC ID 20

Reference •

http://websecuritytool.codeplex.com/wikipage

#### ?title=Checks#user-controlled-cookie

#### **Information Disclosure - Sensitive Information in URL**

**Source** raised by a passive scanner (<u>Information</u>

<u>Disclosure - Sensitive Information in URL)</u>

**CWE ID** <u>200</u>

WASC ID 13

# **Information Disclosure - Suspicious Comments**

**Source** raised by a passive scanner (<u>Information</u>

<u>Disclosure - Suspicious Comments</u>)

**CWE ID** 200

WASC ID 13

# **Loosely Scoped Cookie**

**Source** raised by a passive scanner (<u>Loosely Scoped</u>

Cookie)

CWE ID 565

WASC ID 15

**Reference** • <a href="https://tools.ietf.org/html/rfc6265#section-">https://tools.ietf.org/html/rfc6265#section-</a>

<u>4.1</u>

https://owasp.org/www-project-web-

security-testing-guide/v41/4-

Web Application Security Testing/06-

<u>Session\_Management\_Testing/02-</u>

Testing for Cookies Attributes.html

http://code.google.com/p/browsersec/wiki/Par

# t2#Same-origin policy for cookies

#### **Modern Web Application**

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

**Application**)

#### **Re-examine Cache-control Directives**

**Source** raised by a passive scanner (<u>Re-examine</u>

**Cache-control Directives**)

**CWE ID** <u>525</u>

WASC ID 13

Reference •

https://cheatsheetseries.owasp.org/cheatsheets/s/Session Management Cheat Sheet.html#w

eb-content-caching

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

US/docs/Web/HTTP/Headers/Cache-Control

https://grayduck.mn/2021/09/13/cache-

control-recommendations/

#### **Retrieved from Cache**

**Source** raised by a passive scanner (<u>Retrieved from</u>

Cache)

**Reference** • <a href="https://tools.ietf.org/html/rfc7234">https://tools.ietf.org/html/rfc7234</a>

https://tools.ietf.org/html/rfc7231

http://www.w3.org/Protocols/rfc2616/rfc2616-

sec13.html (obsoleted by rfc7234)