# **ZAP Scanning Report**

? Generated with ZAP on Tue 29 Nov 2022, at 11:32:21

### **Contents**

- About this report
   Report parameters
- 2. Summaries
  - Alert counts by risk and confidence
     Alert counts by site and risk
- 3. Alert counts by alert type
  3. Alerts
- - 1. Risk=Medium, Confidence=High (1)
    2. Risk=Medium, Confidence=Medium (2)
    3. Risk=Medium, Confidence=Low (1)

  - 4. Risk=Low, Confidence=Medium (4)
    5. Risk=Informational, Confidence=Medium (2)
  - 6. Risk=Informational, Confidence=Low (1)
- 4. Appendix
  1. Alert types

## About this report

#### Report parameters

# Contexts

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

### Sites

The following sites were included:

• https://qa.contilink.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.

Included: High, Medium, Low, Informational

Excluded: None

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 (0.0%)	1 (9.1%)	2 (18.2%)	1 (9.1%)	4 (36.4%)	
Risk	Low	0 (0.0%)	0 (0.0%)	4 (36.4%)	0 (0.0%)	4 (36.4%)	
	Informational	0 (0.0%)	0 (0.0%)	2 (18.2%)	1 (9.1%)	3 (27.3%)	
	Total	0 (0.0%)	1 (9.1%)	8 (72.7%)	2 (18.2%)	11 (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			
		High (= High)	Medium (>= Medium)	Low (>= Low)	Informational (>= Informational)	
Site	https://qa.contilink.com	0 (0)	3 (3)	4 (7)	2 (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
<b>Absence of Anti-CSRF Tokens</b>	Medium	3 (27.3%)
Content Security Policy (CSP) Header Not Set	Medium	2 (18.2%)
Cross-Domain Misconfiguration	Medium	2 (18.2%)
<b>Vulnerable JS Library</b>	Medium	4 (36.4%)
		3

<b>Cookie Without Secure Flag</b>	Low	(27.3%)
<b>Cookie with SameSite Attribute None</b>	Low	1 (9.1%)
Cookie without SameSite Attribute	Low	4 (36.4%)
Cross-Domain JavaScript Source File Inclusion		1 (9.1%)
formation Disclosure - Sensitive Information in URL	Informational	1 (9.1%)
Information Disclosure - Suspicious Comments	Informational	16 (145.5%)
<b>Re-examine Cache-control Directives</b>	Informational	3 (27.3%)
Total		11

### **Alerts**

Int

- 1. Risk=Medium, Confidence=High (1)
  - 1. https://qa.contilink.com (1)
    - 1. Content Security Policy (CSP) Header Not Set (1)
      - ► GET https://qa.contilink.com/cas/login? service=https%3A%2F%2Fqa.contilink.com%2Fcas%2Foauth2.0%2FcallbackAuthorize%3Fclient id%3Dcocgateway%26redirect uri%3Dhttps%253A%252F%252Fqa.contilink
- 2. Risk=Medium, Confidence=Medium (2)
  - 1. https://qa.contilink.com (1)
    - 1. Vulnerable JS Library (1)
      - ▶ GET https://qa.contilink.com/cas/js/jquery/jquery-1.11.3.min.js
- 3. Risk=Medium, Confidence=Low (1)
  - 1. https://qa.contilink.com (1)
    - 1. Absence of Anti-CSRF Tokens (1)
      - $\begin{tabular}{l} \hline \textbf{F} GET \ https://qa.contilink.com/cas/login? \\ \hline \textbf{Service=https://qa.contilink.com/cas/login? } \\ \hline \textbf{Service=https://qa.contilink.com/cas/login? }$
- 4. Risk=Low, Confidence=Medium (4)
  - 1. https://qa.contilink.com (4)
    - 1. Cookie Without Secure Flag (1)
      - $\blacktriangleright \ \ GET \ https://qa.contilink.com/coc/ctagold/distchange/distributor/view?ref=3904024\&navigationPath=cite-plt-en-us/marketing$
    - 2. Cookie with SameSite Attribute None (1)
      - ► POST https://qa.contilink.com/cas/login? service=https%3A%2F%2Fqa.contilink.com%2Fcas%2Foauth2.0%2FcallbackAuthorize%3Fclient id%3Dcocgateway%26redirect uri%3Dhttps%253A%252F%252Fqa.contilink
    - - $\begin{tabular}{l} \hline \textbf{F} GET \ https://qa.contilink.com/cas/login? \\ \hline \textbf{Service=https://qa.contilink.com/cas/login? } \\ \hline \textbf{Service=https://qa.contilink.com/cas/login? }$
    - 4. Cross-Domain JavaScript Source File Inclusion (1)
      - $\blacktriangleright \ \ GET\ https://qa.contilink.com/coc/ctagold/distchange/distributor/view?ref=3904024\&navigationPath=cite-plt-en-us/marketing$
- 5. Risk=Informational, Confidence=Medium (2)
  - 1. https://ga.contilink.com (2)
    - 1. Information Disclosure Sensitive Information in URL (1)
      - ► GET https://qa.contilink.com/cas/oauth2.0/callbackAuthorize?  $client\_id=cocgateway\&redirect\_uri=https\&3A\%2F%2Fqa.contilink.com\&2Flogin\&2Foauth2\&2Fcode\&2Fcocgateway\&response\_type=code\&state=2IsDI3haY9XcsBxzWlOo2C1602\$-FNjnCttx-GIXFgdARcg046NHLLQ-ce8ddafae540$
    - 2. Information Disclosure Suspicious Comments (1)
      - $\begin{tabular}{l} \hline \textbf{F} GET \ https://qa.contilink.com/cas/login? \\ \hline \textbf{Service=https://qa.contilink.com/cas/login? } \\ \hline \textbf{Service=https://qa.contilink.com/cas/login? }$
- 6. Risk=Informational, Confidence=Low (1)

# **Appendix**

# Alert types

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

1. Absence of Anti-CSRF Tokens

Source raised by a passive scanner (Absence of Anti-CSRF Tokens) **CWE ID** 352 WASC ID 9

Reference 1. http://projects.webappsec.org/coss/sas-2. http://cwe.mitre.org/data/definitions/352.html http://projects.webappsec.org/Cross-Site-Request-Forgery

2. Content Security Policy (CSP) Header Not Set

Source raised by a passive scanner ( $\underline{\text{Content Security Policy (CSP) Header Not Set}}$ ) CWE ID WASC ID 15

- https://developer.mozilla.org/en-US/docs/Web/Security/CSP/Introducing\_Content\_Security\_Policy
- $\frac{https://cheatsheetseries.owasp.org/cheatsheets/Content\_Security\_Policy\_Cheat\_Sheet.html.}{http://www.w3.org/TR/CSP/http://w3c.github.io/webappsec/specs/content-security-policy/csp-specification.dev.html}$
- Reference http://www.html5rocks.com/en/tutorials/security/content-security-policy/http://caniuse.com/#feat=contentsecuritypolicy

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

3. Cross-Domain Misconfiguration raised by a passive scanner (Cross-Domain Misconfiguration) Source CWE ID WASC ID 14 Reference 1. https://vulncat.fortify.com/en/detail?id=desc.config.dotnet.html5\_overly\_permissive\_cors\_policy 4. Vulnerable IS Library raised by a passive scanner (Vulnerable JS Library (Powered by Retire.js)) CWE ID 829 1. https://github.com/jquery/jquery/issues/2432
2. http://blog.jquery.com/2016/01/08/jquery-2-2-and-1-12-released/
3. http://research.insecurelabs.org/jquery/test/
4. https://blog.jquery.com/2019/04/10/jquery-3-4-0-released/
5. https://hvd.nist.gov/vuln/detail/CVE-2019-11358
6. https://nvd.nist.gov/vuln/detail/CVE-2015-9251
7. https://github.com/jquery/jquery/commit/753d591aea698e57d6db58c9f722cd0808619b1b
8. https://bugs.jquery.com/ticket/11974
6. https://blogs.jquery.com/ticket/11974
6. https://doi.org/ticket/11974
6. https://doi.org/ticket/ Reference 9. https://blog.jquery.com/2020/04/10/jquery-3-5-0-released/ 5. Cookie Without Secure Flag raised by a passive scanner (Cookie Without Secure Flag) **CWE ID** <u>614</u> WASC ID 13 Reference 1. https://owasp.org/www-project-web-security-testing-guide/v41/4-Web\_Application\_Security\_Testing/06-Session\_Management\_Testing/02-Testing\_for\_Cookies\_Attributes.html 6. Cookie with SameSite Attribute None raised by a passive scanner (Cookie without SameSite Attribute) CWE ID WASC ID 13 Reference 1. https://tools.ietf.org/html/draft-ietf-httpbis-cookie-same-site 7. Cookie without SameSite Attribute raised by a passive scanner (Cookie without SameSite Attribute) Source **CWE ID 1275** WASC ID 13  $\textbf{Reference} \quad 1. \ \, \underline{\text{https://tools.ietf.org/html/draft-ietf-httpbis-cookie-same-site}}$ 8. Cross-Domain JavaScript Source File Inclusion Source raised by a passive scanner (Cross-Domain JavaScript Source File Inclusion) CWE ID 829 WASC ID 15 9. Information Disclosure - Sensitive Information in URL Source raised by a passive scanner (Information Disclosure - Sensitive Information in URL) **CWE ID** 200 WASC ID 13 10. Information Disclosure - Suspicious Comments Source raised by a passive scanner (Information Disclosure - Suspicious Comments) **CWE ID** 200

WASC ID 13

11. Re-examine Cache-control Directives

# Source

raised by a passive scanner (Re-examine Cache-control Directives) CWE ID

WASC ID 13

Reference

https://cheatsheetseries.owasp.org/cheatsheets/Session\_Management\_Cheat\_Sheet.html#web-content-caching
 https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Cache-Control
 https://grayduck.mn/2021/09/13/cache-control-recommendations/