

ZAP Scanning Report

Generated with  [The ZAP logoZAP](#) on Tue 6 Sep 2022, at 19:57:33

Contents

- 1. [About this report](#)
 - 1. [Report parameters](#)
- 2. [Summaries](#)
 - 1. [Alert counts by risk and confidence](#)
 - 2. [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 \(5\)](#)
 - 5. [Risk=Low, Confidence=Low \(1\)](#)
 - 6. [Risk=Informational, Confidence=Medium \(2\)](#)
 - 7. [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.

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 |
| Risk | High | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) | 0 (0.0%) |
| | Medium | 0 (0.0%) | 1 (7.7%) | 2 (15.4%) | 1 (7.7%) |
| | Low | 0 (0.0%) | 0 (0.0%) | 5 (38.5%) | 1 (7.7%) |
| | Informational | 0 (0.0%) | 0 (0.0%) | 2 (15.4%) | 1 (7.7%) |
| | Total | 0 (0.0%) | 1 (7.7%) | 9 (69.2%) | 3 (23.1%) |
| | | Total | | | |

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.)

| Site | | Risk | | | |
|--------------------------|--|------------------|-----------------------|-----------------|-------------------------------------|
| | | High (= High) | Medium (>= Medium) | Low (>= Low) | Informational (>= Informational) |
| https://qa.contilink.com | | 0 (0) | 3 (3) | 6 (9) | 2 (11) |

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 |
|---|---------------|----------------|
| Absence of Anti-CSRF Tokens | Medium | 1 (7.7%) |
| Content Security Policy (CSP) Header Not Set | Medium | 3 (23.1%) |
| Cross-Domain Misconfiguration | Medium | 8 (61.5%) |
| Vulnerable JS Library | Medium | 1 (7.7%) |
| Cookie No HttpOnly Flag | Low | 2 (15.4%) |
| Cookie Without Secure Flag | Low | 5 (38.5%) |
| Cookie with SameSite Attribute None | Low | 1 (7.7%) |
| Cookie without SameSite Attribute | Low | 9 (69.2%) |
| Cross-Domain JavaScript Source File Inclusion | Low | 1 (7.7%) |
| Timestamp Disclosure - Unix | Low | 66 (507.7%) |
| Information Disclosure - Sensitive Information in URL | Informational | 2 (15.4%) |
| Information Disclosure - Suspicious Comments | Informational | 15 (115.4%) |
| Re-examine Cache-control Directives | Informational | 2 (15.4%) |
| Total | | 13 |

Alerts

1. Risk=Medium, Confidence=High (1)

1. https://qa.contilink.com (1)

1. [Content Security Policy \(CSP\) Header Not Set](#) (1)

1. ► GET https://qa.contilink.com/cas/login?
service=https%3A%2F%2Fqa.contilink.com%2Fcas%2Foauth2.0%2FcallbackAuthorize%3Fclient_id%3Dcogateway%26redirect_uri%3Dhttps%253A%252F%25BKcc%253D%26nonce%3DJc-wHUR0PYK-5fKSLRJfiFz3qN7kzn1YNp2UQHpmZrs%26client_name%3DCasOAuthClient

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

1. https://qa.contilink.com (1)

1. [Vulnerable JS Library](#) (1)

1. ► GET https://qa.contilink.com/cite/resources/script/main-cite.4fff304446e7ef00a539.js

3. Risk=Medium, Confidence=Low (1)

1. https://qa.contilink.com (1)

1. [Absence of Anti-CSRF Tokens](#) (1)

1. ► GET https://qa.contilink.com/cas/login?
service=https%3A%2F%2Fqa.contilink.com%2Fcas%2Foauth2.0%2FcallbackAuthorize%3Fclient_id%3Dcogateway%26redirect_uri%3Dhttps%253A%252F%25BKcc%253D%26nonce%3DJc-wHUR0PYK-5fKSLRJfiFz3qN7kzn1YNp2UQHpmZrs%26client_name%3DCasOAuthClient

4. Risk=Low, Confidence=Medium (5)

1. https://qa.contilink.com (5)

1. [Cookie No HttpOnly Flag \(1\)](#)

1. ► GET https://qa.contilink.com/j_spring_cas_security_check?ticket=ST-7112-qu8oK1biPLJW21olZEJ2Ks67PXM-e83d9c351ead

2. [Cookie Without Secure Flag \(1\)](#)

1. ► GET https://qa.contilink.com/coc/invoicepreapproval/invPreApp/invoicesPending?ref=3967702

3. [Cookie with SameSite Attribute None \(1\)](#)

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%25BKcc%253D%26nonce%3DJc-wHUR0PYK-5fKSLRJfiFz3qN7kzn1YNp2UQHpmZrs%26client_name%3DCasOAuthClient

4. [Cookie without SameSite Attribute \(1\)](#)

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%25BKcc%253D%26nonce%3DJc-wHUR0PYK-5fKSLRJfiFz3qN7kzn1YNp2UQHpmZrs%26client_name%3DCasOAuthClient

5. [Cross-Domain JavaScript Source File Inclusion \(1\)](#)

1. ▼ GET https://qa.contilink.com/coc/invoicepreapproval/invPreApp/invoicesPending?ref=3967702

| | |
|-------------------|--|
| Alert tags | ▪ OWASP 2021 A08 |
| Alert description | The page includes one or more script files from a third-party domain. |
| Request | <div>▼ Request line and header section (603 bytes)</div> <div>GET https://qa.contilink.com/coc/invoicepreapproval/invPreApp/invoicesPending?ref=3967702 HTTP/1.1 Host: qa.contilink.com User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:91.0) Gecko/20100101 Firefox/91.0 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8 Accept-Language: en-US,en;q=0.5 Connection: keep-alive Cookie: SESSION=949cdf38-7106-4bf7-b598-2bcb3acfc770; org.springframework.web.servlet.i18n.CookieLocaleResolver.LOCALE=en Upgrade-Insecure-Requests: 1 Sec-Fetch-Dest: document Sec-Fetch-Mode: navigate Sec-Fetch-Site: same-origin Sec-Fetch-User: ?1</div> |
| Response | <div>▼ Request body (0 bytes)</div> <div>▼ Status line and header section (907 bytes)</div> <div>HTTP/1.1 200 OK Date: Wed, 07 Sep 2022 00:00:03 GMT Server: Apache Strict-Transport-Security: max-age=63072000; includeSubDomains; preload X-Content-Type-Options: nosniff Access-Control-Allow-Headers: Origin, X-Requested-With, Content-Type, Accept Access-Control-Allow-Methods: POST, GET, PUT, OPTIONS, DELETE, PATCH Access-Control-Allow-Origin: * Access-Control-Max-Age: 3600 Cache-Control: no-cache, no-store, max-age=0, must-revalidate Content-Language: en-US Content-Type: text/html; charset=UTF-8 Expires: 0 Pragma: no-cache Referrer-Policy: no-referrer Vary: Origin, Accept-Encoding, Access-Control-Request-Method, Access-Control-Request-Headers X-Content-Type-Options: nosniff X-Frame-Options: DENY X-Xss-Protection: 1; mode=block Set-Cookie: JSESSIONID=D8E5C03A94666EEBAF2D4DB4EC774F17; Path=/coc/invoicepreapproval; HttpOnly Keep-Alive: timeout=5, max=96 Connection: Keep-Alive</div> <div>► Response body (16006 bytes)</div> |
| Parameter | https://www.googletagmanager.com/gtag/js?id=UA-121373122-1 |
| Evidence | <script async src="https://www.googletagmanager.com/gtag/js?id=UA-121373122-1"></script> |
| Solution | Ensure JavaScript source files are loaded from only trusted sources, and the sources can't be controlled by end users of the application. |

5. Risk=Low, Confidence=Low (1)

1. https://qa.contilink.com (1)

1. [Timestamp Disclosure - Unix \(1\)](#)

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/Cross-Site-Request-Forgery>
2. <http://cwe.mitre.org/data/definitions/352.html>

2. 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 1. https://developer.mozilla.org/en-US/docs/Web/Security/CSP/Introducing_Content_Security_Policy
2. https://cheatsheetseries.owasp.org/cheatsheets/Content_Security_Policy_Cheat_Sheet.html
3. <http://www.w3.org/TR/CSP/>
4. <http://w3c.github.io/webappsec/specs/content-security-policy/csp-specification.dev.html>
5. <http://www.html5rocks.com/en/tutorials/security/content-security-policy/>
6. <http://caniuse.com/#feat=contentsecuritypolicy>
7. <http://content-security-policy.com/>

3. Cross-Domain Misconfiguration

Source raised by a passive scanner ([Cross-Domain Misconfiguration](#))
CWE ID [264](#)
WASC ID 14
Reference 1. https://vulncat.fortify.com/en/detail?id=desc.config.dotnet.html5_overly_permissive_cors_policy

4. Vulnerable JS Library

Source raised by a passive scanner ([Vulnerable JS Library \(Powered by Retire.js\)](#))
CWE ID [829](#)
Reference 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://nvd.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>
9. <https://blog.jquery.com/2020/04/10/jquery-3-5-0-released/>

5. Cookie No HttpOnly Flag

Source raised by a passive scanner ([Cookie No HttpOnly Flag](#))
CWE ID [1004](#)
WASC ID 13
Reference 1. <https://owasp.org/www-community/HttpOnly>

6. Cookie Without Secure Flag

Source raised by a passive scanner ([Cookie Without Secure Flag](#))
CWE ID [614](#)
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

7. Cookie with SameSite Attribute None

Source raised by a passive scanner ([Cookie without SameSite Attribute](#))
CWE ID [1275](#)
WASC ID 13
Reference 1. <https://tools.ietf.org/html/draft-ietf-httpbis-cookie-same-site>

8. Cookie without SameSite Attribute

Source raised by a passive scanner ([Cookie without SameSite Attribute](#))
CWE ID [1275](#)
WASC ID 13
Reference 1. <https://tools.ietf.org/html/draft-ietf-httpbis-cookie-same-site>

9. Cross-Domain JavaScript Source File Inclusion

Source raised by a passive scanner ([Cross-Domain JavaScript Source File Inclusion](#))
CWE ID [829](#)
WASC ID 15

10. Timestamp Disclosure - Unix

Source raised by a passive scanner ([Timestamp Disclosure](#))
CWE ID [200](#)
WASC ID 13
Reference 1. <http://projects.webappsec.org/w/page/13246936/Information%20Leakage>

11. Information Disclosure - Sensitive Information in URL

Source raised by a passive scanner ([Information Disclosure - Sensitive Information in URL](#))
CWE ID [200](#)
WASC ID 13

12. Information Disclosure - Suspicious Comments

Source raised by a passive scanner ([Information Disclosure - Suspicious Comments](#))
CWE ID [200](#)
WASC ID 13

13. Re-examine Cache-control Directives

Source raised by a passive scanner ([Re-examine Cache-control Directives](#))
CWE ID [525](#)
WASC ID 13
Reference 1. https://cheatsheetseries.owasp.org/cheatsheets/Session_Management_Cheat_Sheet.html#web-content-caching
2. <https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Cache-Control>