



# **Acunetix Threat Level 3**

One or more high-severity type vulnerabilities have been discovered by the scanner. A malicious user can exploit these vulnerabilities and compromise the backend database and/or deface your website.









High

Medium

Low

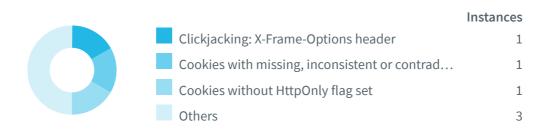
Informational

Severity	Vulnerabilities	Instances
• High	1	1
Medium	4	4
! Low	6	6
<ul><li>Informational</li></ul>	5	5
Total	16	16

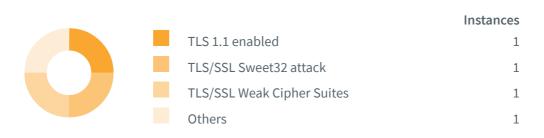
# **Informational**

		Instances
	Content Security Policy (CSP) not implemented	1
	PHP Version Disclosure	1
	Reverse proxy detected	1
	Others	2

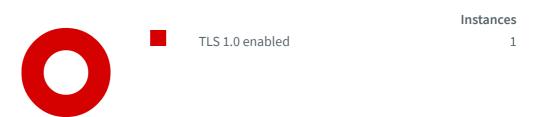
# **Low Severity**



# **Medium Severity**



# **High Severity**



# **Impacts**

SEVERITY	IMPAC	CT CT
High	1	TLS 1.0 enabled
Medium	1	TLS 1.1 enabled
Medium	1	TLS/SSL Sweet32 attack
Medium	1	TLS/SSL Weak Cipher Suites
Medium	1	Vulnerable JavaScript libraries
① Low	1	Clickjacking: X-Frame-Options header
① Low	1	Cookies with missing, inconsistent or contradictory properties
① Low	1	Cookies without HttpOnly flag set
① Low	1	Cookies without Secure flag set
! Low	1	HTTP Strict Transport Security (HSTS) not implemented
① Low	1	Session cookies scoped to parent domain
<ul><li>Informational</li></ul>	1	Content Security Policy (CSP) not implemented
<ul><li>Informational</li></ul>	1	PHP Version Disclosure
<ul><li>Informational</li></ul>	1	Reverse proxy detected
<ul><li>Informational</li></ul>	1	Subresource Integrity (SRI) not implemented
<ul><li>Informational</li></ul>	1	Web Application Firewall detected

# TLS 1.0 enabled

The web server supports encryption through TLS 1.0, which was formally deprecated in March 2021 as a result of inherent security issues. In addition, TLS 1.0 is not considered to be "strong cryptography" as defined and required by the PCI Data Security Standard 3.2(.1) when used to protect sensitive information transferred to or from web sites. According to PCI, "30 June 2018 is the deadline for disabling SSL/early TLS and implementing a more secure encryption protocol – TLS 1.1 or higher (TLS v1.2 is strongly encouraged) in order to meet the PCI Data Security Standard (PCI DSS) for safeguarding payment data.

## **Impact**

An attacker may be able to exploit this problem to conduct man-in-the-middle attacks and decrypt communications between the affected service and clients.

# https://it-support-tag-aws.fpt-software.it/

Confidence: 100%

The SSL server (port: 443) encrypts traffic using TLSv1.0.

#### Recommendation

It is recommended to disable TLS 1.0 and replace it with TLS 1.2 or higher.

#### References

#### RFC 8996: Deprecating TLS 1.0 and TLS 1.1

https://tools.ietf.org/html/rfc8996

#### Are You Ready for 30 June 2018? Saying Goodbye to SSL/early TLS

https://blog.pcisecuritystandards.org/are-you-ready-for-30-june-2018-sayin-goodbye-to-ssl-early-tls

#### PCI 3.1 and TLS 1.2 (Cloudflare Support)

https://support.cloudflare.com/hc/en-us/articles/205043158-PCI-3-1-and-TLS-1-2

# TLS 1.1 enabled

The web server supports encryption through TLS 1.1, which was formally deprecated in March 2021 as a result of inherent security issues. When aiming for Payment Card Industry (PCI) Data Security Standard (DSS) compliance, it is recommended to use TLS 1.2 or higher instead. According to PCI, "30 June 2018 is

the deadline for disabling SSL/early TLS and implementing a more secure encryption protocol – TLS 1.1 or higher (TLS v1.2 is strongly encouraged) in order to meet the PCI Data Security Standard (PCI DSS) for safeguarding payment data.

## **Impact**

An attacker may be able to exploit this problem to conduct man-in-the-middle attacks and decrypt communications between the affected service and clients.

# https://it-support-tag-aws.fpt-software.it/

Confidence: 100%

The SSL server (port: 443) encrypts traffic using TLSv1.1.

#### Recommendation

It is recommended to disable TLS 1.1 and replace it with TLS 1.2 or higher.

#### References

#### RFC 8996: Deprecating TLS 1.0 and TLS 1.1

https://tools.ietf.org/html/rfc8996

#### Are You Ready for 30 June 2018? Saying Goodbye to SSL/early TLS

https://blog.pcisecuritystandards.org/are-you-ready-for-30-june-2018-sayin-goodbye-to-ssl-early-tls

#### PCI 3.1 and TLS 1.2 (Cloudflare Support)

https://support.cloudflare.com/hc/en-us/articles/205043158-PCI-3-1-and-TLS-1-2

# TLS/SSL Sweet32 attack

The Sweet32 attack is a SSL/TLS vulnerability that allows attackers to compromise HTTPS connections using 64-bit block ciphers.

# **Impact**

An attacker may intercept HTTPS connections between vulnerable clients and servers.

# https://it-support-tag-aws.fpt-software.it/

Cipher suites susceptible to Sweet32 attack (TLS1.0 on port 443):

• TLS\_RSA\_WITH\_3DES\_EDE\_CBC\_SHA

## Recommendation

Reconfigure the affected SSL/TLS server to disable support for obsolete 64-bit block ciphers.

#### References

Sweet32: Birthday attacks on 64-bit block ciphers in TLS and OpenVPN

https://sweet32.info/

# **TLS/SSL Weak Cipher Suites**

The remote host supports TLS/SSL cipher suites with weak or insecure properties.

## **Impact**

# https://it-support-tag-aws.fpt-software.it/

Weak TLS/SSL Cipher Suites: (offered via TLS1.0 on port 443):

• TLS\_RSA\_WITH\_3DES\_EDE\_CBC\_SHA (Medium strength encryption algorithm (3DES).)

## Recommendation

Reconfigure the affected application to avoid use of weak cipher suites.

#### References

#### **OWASP: TLS Cipher String Cheat Sheet**

https://cheatsheetseries.owasp.org/cheatsheets/TLS\_Cipher\_String\_Cheat\_Sheet.html

# OWASP: Transport Layer Protection Cheat Sheet

https://cheatsheetseries.owasp.org/cheatsheets/Transport\_Layer\_Protection\_Cheat\_Sheet.html

#### Mozilla: TLS Cipher Suite Recommendations

https://wiki.mozilla.org/Security/Server\_Side\_TLS

## SSLlabs: SSL and TLS Deployment Best Practices

https://github.com/ssllabs/research/wiki/SSL-and-TLS-Deployment-Best-Practices

https://datatracker.ietf.org/doc/html/rfc9155

# **Vulnerable JavaScript libraries**

You are using one or more vulnerable JavaScript libraries. One or more vulnerabilities were reported for this version of the library. Consult Attack details and Web References for more information about the affected library and the vulnerabilities that were reported.

# **Impact**

Consult References for more information.

# https://it-support-tag-aws.fpt-software.it/ Confidence: 80%

- jQuery 3.3.1
  - URL: https://it-support-tag-aws.fpt-software.it/assets/vendors/base/vendors.bundle.js
  - o Detection method: The library's name and version were determined based on the file's contents. Acunetix performed a syntax analysis of the file and detected functional differences between the file and the original library version. As the file was likely modified on purpose, the confidence level of the vulnerability alert has been lowered.
  - o References:
    - https://blog.jquery.com/2020/04/10/jquery-3-5-0-released/
    - https://mksben.l0.cm/2020/05/jquery3.5.0-xss.html
    - https://jquery.com/upgrade-guide/3.5/
    - https://api.jquery.com/jQuery.htmlPrefilter/

#### Request

```
GET /assets/vendors/base/vendors.bundle.js HTTP/1.1
Referer: https://it-support-tag-aws.fpt-software.it/login
Cookie: XSRF-
TOKEN=eyJpdiI6IjhZbEJxMHFheVZuSDY5Y1BaVURSaXc9PSIsInZhbHVlIjoiZDRUN2g0cnlxRXhEY01BM0hoV0dUMlg1YnpTa2
05KzlhV2w3MTdma2VkajhcL0tWaFhwU0pFUEdpckV3ejFqUUMiLCJtYWMiOiIwNDBmMjcwMzdhYWVmZWJmYjM0NmUwZGUxZmQwNj
IxMWRhYjlhOGZiY2NiNjY1Mzg1OTIzY2ZhYjgwMTkyY2ExIn0%3D;
workplace bot ticket session=eyJpdiI6IjhXcWt4djBHWjRaazF2eW1yOUx0dGc9PSIsInZhbHVlIjoiVktGSXdWOHJEc2E
zVDBTdExwR01VWlQ5Q2sr0EZJVTNxT3IwalpQZytvZmdrREYwRGpBZDhxSTdaRCtCbzdQUSIsIm1hYy16IjBhMDdhZWI00WRl0Dh
hymy1yTgzMDc4yTy4NTFmNjdkymNhODNjyTlkyWJkyTgyNmFhNDU4NDI3YjBiNGFjZTgifQ%3D%3D;
__cf_bm=sdFY4VhWWUb2jMLf4zeEr0nFHQbnm08xI6Lc_OUlhv8-1672894685-0-
AbAfCYCDpkJWd3fkiNDS/cyYqW3fbLAN4Wy8lpdVECF1+oJA1093YrETqkxHdgXanHz+vg1zCYuG2NJnNYjpN/0=
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Encoding: gzip, deflate, br
```

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/99.0.4844.0 Safari/537.36

Host: it-support-tag-aws.fpt-software.it

Connection: Keep-alive

#### Recommendation

Upgrade to the latest version.

# Clickjacking: X-Frame-Options header

Clickjacking (User Interface redress attack, UI redress attack, UI redressing) is a malicious technique of tricking a Web user into clicking on something different from what the user perceives they are clicking on, thus potentially revealing confidential information or taking control of their computer while clicking on seemingly innocuous web pages.

The server did not return an X-Frame-Options header with the value DENY or SAMEORIGIN, which means that this website could be at risk of a clickjacking attack. The X-Frame-Options HTTP response header can be used to indicate whether or not a browser should be allowed to render a page inside a frame or iframe. Sites can use this to avoid clickjacking attacks, by ensuring that their content is not embedded into untrusted sites.

# **Impact**

The impact depends on the affected web application.

# https://it-support-tag-aws.fpt-software.it/

Paths without secure XFO header:

- https://it-support-tag-aws.fpt-software.it/9389881
- https://it-support-tag-aws.fpt-software.it/login

#### Request

GET /9389881 HTTP/1.1

Referer: https://it-support-tag-aws.fpt-software.it/

Cookie: XSRF-

TOKEN=eyJpdiI6Ijd5QURRU1dQRVg2QytYclFwUlBseVE9PSIsInZhbHVlIjoiNVdXbjd4Q3JKcORxRE5EVnNyVE56Q1RKK3FyZE
YxSmphVE0ydU5qajdpWnp3TzhhQWszV2ZsV0ltU1RPY05TbyIsIm1hYyI6IjI5NjU3ZTdiZjY5ZTQzYjYyNmUzODI2ZWIwODIwYj
QxYjYzZDZmNGFhYTliNTkyMTRmYjUxZDczMjRjMmY5ZDAifQ%3D%3D;

workplace bot ticket session=eyJpdiI6Im9sR3BvRzVONE9HOG9RbjNQWGUycWc9PSIsInZhbHVlIjoiaGFuMkkxS3lRbzk

1KOtkVGlhRHZBUDdYQlRiSFpid3hxUO1tNFdNVWpHd2tMaDZ6cjdZbk9oRm51XC9MMklOalTiLCJtYWMiOiI4NDA2MjQ3OTMOMzA

0NDA5Njk3YjI4OTRiMWQ2MzI1NDZlNzI1OTc4YmZlMTI5OWJhYWRlZDhkNmI2ZTAzOWY3In0%3D;

\_\_cf\_bm=TxK272th\_zOIvWKtwgDKeWcrhLrMncVRqn4XMDfwESk-1672893606-0
AYjlOHhqKwhyWWH2Xxl/hYe+r9G98Lq7AbFz4yJl46qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8

Accept-Encoding: gzip,deflate,br

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/99.0.4844.0 Safari/537.36

Host: it-support-tag-aws.fpt-software.it

Connection: Keep-alive

#### Recommendation

Configure your web server to include an X-Frame-Options header and a CSP header with frame-ancestors directive. Consult Web references for more information about the possible values for this header.

#### References

#### The X-Frame-Options response header

https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-Frame-Options

## Clickjacking

https://en.wikipedia.org/wiki/Clickjacking

#### **OWASP Clickjacking**

https://cheatsheetseries.owasp.org/cheatsheets/Clickjacking\_Defense\_Cheat\_Sheet.html

#### Frame Buster Buster

https://stackoverflow.com/questions/958997/frame-buster-buster-buster-code-needed

# Cookies with missing, inconsistent or contradictory properties

At least one of the following cookies properties causes the cookie to be invalid or incompatible with either a different property of the same cookie, of with the environment the cookie is being used in. Although this is not a vulnerability in itself, it will likely lead to unexpected behavior by the application, which in turn may cause secondary security issues.

# **Impact**

Cookies will not be stored, or submitted, by web browsers.

# https://it-support-tag-aws.fpt-software.it/

Verified

#### List of cookies with missing, inconsistent or contradictory properties:

https://it-support-tag-aws.fpt-software.it/

#### Cookie was set with:

```
Set-Cookie: XSRF-
```

TOKEN=eyJpdiI6Ijd5QURRU1dQRVg2QytYclFwUlBseVE9PSIsInZhbHVlIjoiNVdXbjd4Q3JKcORxRE5 EVnNyVE56Q1RKK3FyZEYxSmphVE0ydU5qajdpWnp3TzhhQWszV2ZsV0ltU1RPY05TbyIsIm1hYyI6IjI5 NjU3ZTdiZjY5ZTQzYjYyNmUzODI2ZWIwODIwYjQxYjYzZDZmNGFhYTliNTkyMTRmYjUxZDczMjRjMmY5Z DAifQ%3D%3D; expires=Thu, 05-Jan-2023 06:40:06 GMT; Max-Age=7200; path=/

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

• https://it-support-tag-aws.fpt-software.it/

#### Cookie was set with:

```
Set-Cookie:
```

workplace\_bot\_ticket\_session=eyJpdiI6Im9sR3BvRzVONE9HOG9RbjNQWGUycWc9PSIsInZhbHVl
IjoiaGFuMkkxS3lRbzk1K0tkVGlhRHZBUDdYQlRiSFpid3hxU01tNFdNVWpHd2tMaDZ6cjdZbk9oRm5lX
C9MMkl0alIiLCJtYWMiOiI4NDA2MjQ3OTM0MzA0NDA5Njk3YjI4OTRiMWQ2MzI1NDZlNzI1OTc4YmZlMT
I5OWJhYWRlZDhkNmI2ZTAzOWY3In0%3D; expires=Thu, 05-Jan-2023 06:40:06 GMT; MaxAge=7200; path=/; httponly

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

https://it-support-tag-aws.fpt-software.it/login

#### Cookie was set with:

```
Set-Cookie: XSRF-
```

TOKEN=eyJpdiI6IkhFQWV6MFNGaDB0XC92d0M5MlZCNU5nPT0iLCJ2YWx1ZSI6ImtPREQ5R3pXTXlIQjl

XRWhZNEZOTF13bXpta0JYaW9Va2xVaGo4aDJLTnVTRHJNQzVxYWJDQlwvYkZcL1JEOThiaiIsIm1hYyI6 IjM2ODM2ZDk3YmI0NmJmNzRjMWUyOT1hZTZmZDk5ZGZ1ZTUxZTYyYWQ5ZDc5NzVmYzcyZTBjODliOTgxZ mRmYzQifQ%3D%3D; expires=Thu, 05-Jan-2023 06:42:11 GMT; Max-Age=7200; path=/

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### • https://it-support-tag-aws.fpt-software.it/login

#### Cookie was set with:

Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6ImFpQ2hDTUxJOUFTWlg0cWw5Rjd5TlE9PSIsInZhbHVl
IjoicXJwQjd5Z01qbFhjcHR4N0crYXpZZDdYNThGQnpUdFljK256OXdqU1lyTGo2UXQ4OUlSYjFvNjZlb
zQ3WlFndiIsIm1hYyI6IjIyNGM1N2Q3NzIxOTIyNGY0YzEyMjU5ZjI3ODk1YzcwMDQ4MzBiNzBlYjJjNz
VjNGI2NGVmMTg0Yjk4YmVhNGIifQ%3D%3D; expires=Thu, 05-Jan-2023 06:42:11 GMT; Max-Age=7200; path=/; httponly

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### • https://it-support-tag-aws.fpt-software.it/login

#### Cookie was set with:

Set-Cookie: XSRF-

TOKEN=eyJpdi16IjhEODdocDFQT3RcL1htc0N4N3UxN1hnPT0iLCJ2YWx1ZSI6IkZsYVwvUGJFNElJdDY 2dGFiZnhua2hyejNjemFGR1FUK0huN25hV3hsQ09idEEySTFYOVd1XC9vYVhsYTd2bE1INyIsIm1hYyI6 ImVjYzBlNWRjY2RmYzIxM2QxNjdlYzA0ZWZiYWE2ZjE4ZTUxOWEwNTNhM2NlM2RiYTU2MzQzZjkwNzMyN 2Q2MGIifQ%3D%3D; expires=Thu, 05-Jan-2023 06:43:07 GMT; Max-Age=7200; path=/

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and

sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### • https://it-support-tag-aws.fpt-software.it/login

#### Cookie was set with:

Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6IjE2c0V5YzJGWXZ4aUh5azdwdWdwTFE9PSIsInZhbHVl
IjoiUWhqcGlkQVkxK0o4Um9SeTJOaWo0T29wTEF0ejlrSnZQdUVhMFJ1NFpOc1p0WU53UVduejdKSytSK
1EyRmZacyIsIm1hYyI6IjhmoDQ0NWQ1MGIzZTVmN2NiYWU5ZT1kYzExMTA2MDI3NDk0MWQ2ZGQ3OWYwZj
NiNDc5NjY0NmMyNTM4N2E4ZjUifQ%3D%3D; expires=Thu, 05-Jan-2023 06:43:07 GMT; Max-Age=7200; path=/; httponly

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### • https://it-support-tag-aws.fpt-software.it/login

#### Cookie was set with:

Set-Cookie: XSRF-

TOKEN=eyJpdi16IjhZbEJxMHFheVZuSDY5YlBaVURSaXc9PSIsInZhbHVlIjoiZDRUN2g0cnlxRXhEY01 BM0hoV0dUMlg1YnpTa205KzlhV2w3MTdma2VkajhcL0tWaFhwU0pFUEdpckV3ejFqUUMiLCJtYWMiOiIw NDBmMjcwMzdhYWVmZWJmYjM0NmUwZGUxZmQwNjIxMWRhYjlhOGZiY2NiNjY1Mzg1OTIzY2ZhYjgwMTkyY 2ExIn0%3D; expires=Thu, 05-Jan-2023 06:47:57 GMT; Max-Age=7200; path=/

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

https://it-support-tag-aws.fpt-software.it/login

Cookie was set with:

#### Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6IjhXcWt4djBHWjRaazF2eW1yOUx0dGc9PSIsInZhbHVl IjoiVktGSXdWOHJEc2EzVDBTdExwR01VWlQ5Q2sr0EZJVTNxT3IwalpQZytvZmdrREYwRGpBZDhxSTdaR CtCbzdQUSIsIm1hYyI6IjBhMDdhZWI0OWRlODhhYmY1YTgzMDc4YTY4NTFmNjdkYmNhODNjYTlkYWJkYT gyNmFhNDU4NDI3YjBiNGFjZTgifQ%3D%3D; expires=Thu, 05-Jan-2023 06:47:57 GMT; Max-Age=7200; path=/; httponly

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### • https://it-support-tag-aws.fpt-software.it/

#### Cookie was set with:

Set-Cookie: XSRF-

TOKEN=eyJpdiI6ImRcLzdoQXJObFFIYnVSWGxyNHhQVjBBPT0iLCJ2YWx1ZSI6IjhPd0JqbGR3MEYwaFR CRmJQY0ZsTCtDaFlIeTRHeDBlSWhkdGFwY05xT0p2cHJsZ2RtXC9F0E1uZ2hac1NPblJIIiwibWFjIjoi ZTBjMzdjZTVmMDViMTY3NTk0YWY0MjZjNmNjYjdhZjRmZjk1Yzg3MGY4NjM1MjQ1ZGZkM2U0NzJiMTIZY mJ1ZiJ9; expires=Thu, 05-Jan-2023 07:05:17 GMT; Max-Aqe=7200; path=/

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### • https://it-support-tag-aws.fpt-software.it/

#### Cookie was set with:

Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6IkNSN3k4NE1TTEFaYWhCU2JwNDVHeXc9PSIsInZhbHVl IjoiSDB2cTNPNWExbjVcLzcrbTM0UnpWSGI0Mmt4Y0tWYTU10WpyR1VcL3ZSaHRJMFJ1djMrU29wVm9MZ XZtQXI4WGV3IiwibWFjIjoiYWQzMTA5MTJjYzllZjJjZDI3MmQ5MjNmYzM5ZGU5MzFjNTMxM2I0NmYzNT QyOWIwNjg5Mzc0ZWEwMTEyZjI4NiJ9; expires=Thu, 05-Jan-2023 07:05:17 GMT; Max-Age=7200; path=/; httponly

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### • https://it-support-tag-aws.fpt-software.it/login

#### Cookie was set with:

Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6Ik93bmYxdlhuVVBEdUNNSkNoaWU1RFE9PSIsInZhbHVl IjoiSWxabWg5VXhFNjZkXC9rSlVtTTFqdXVhMVMxUWF0bXdjRENRRVg5djNjR3lFcnhsazVNRjIxTjN2X C8rU1FvNU1GIiwibWFjIjoiODY1ZDE1NWQyMGFiMTQyYzJlY2ZjMGU2OWI4ZWNiYTk1ZjQ3MzRiZDQxNz EwMjc5YjYwMzQ0MTQwM2MzYTZhZCJ9; expires=Thu, 05-Jan-2023 07:05:16 GMT; Max-Age=7200; path=/; httponly

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### • https://it-support-tag-aws.fpt-software.it/login

#### Cookie was set with:

Set-Cookie: XSRF-

TOKEN=eyJpdiI6Iis3azF2bGlhZ3hMazM5OTQxZ0NpOGc9PSIsInZhbHV1IjoiVEJHUVQzcmZGUis1SnB 3a2xvclVzc0tGYUdJKzZuYVdcLzlTM2lpQjdQSHZvUGRwdk1wK2UzaVRZa1c4Zk5xN1EiLCJtYWMiOiJl ZmMzMzQ2N2M0NGJhNGY5M2VjOTU1MTIwMGE1OWQ0NDEwZDdkYjIwMzRmYmExNDUyNDZhNGNiOWU2OGViN 2YwIn0%3D; expires=Thu, 05-Jan-2023 07:05:18 GMT; Max-Age=7200; path=/

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### https://it-support-tag-aws.fpt-software.it/login

#### Cookie was set with:

#### Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6ImlCVlFXUzhQKzlYdU1acldzanJzU2c9PSIsInZhbHVl
IjoiWHFFYk1SMHZ2b2pGQmRsSDBuM2VlSHA4WHQ5WkxuOVNkcitaUTlUTDdiNERPWDRYRkp1Rm1MRkFNN
lVcLzNnVFYiLCJtYWMiOiIzZDdlMDQ2NWZjNGYzYTcxMzYxMzYzMDcyNWEwNDcyNTM3ZGJhNzAzNGI2MW
Q1YTFlMzA5Mzg4MDFjZDM5NmY3In0%3D; expires=Thu, 05-Jan-2023 07:05:18 GMT; Max-Age=7200; path=/; httponly

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### • https://it-support-tag-aws.fpt-software.it/login

#### Cookie was set with:

Set-Cookie: XSRF-

TOKEN=eyJpdiI6IlpIMUVSbXVod3N6a0lubnJTRGtRWGc9PSIsInZhbHV1Ijoic3ZiMEdqbDJKYjVUUTR wWTBUb2VNdlpPN2t6NWVpOGZcL2V2R1FQYytwSlQ3SDVJZzVSZFFvYkswaEhQczZWXC9YIiwibWFjIjoi M2EyN2Q2MTRmMzRhYjJiMGZmZDY1OGFiMmE0M2E1NzQ2YjA5YTE3NzJmMTExNjE3N2Q4MTgyN2YzMjQ1Y 2QwZCJ9; expires=Thu, 05-Jan-2023 07:08:41 GMT; Max-Age=7200; path=/

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### • https://it-support-tag-aws.fpt-software.it/login

#### Cookie was set with:

Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6IkR3U1dhdUFzUVJDdGtzQlRFVmNwMHc9PSIsInZhbHVl
IjoiU2FWNjBCY1Q0aUlSTWtjMTlvWlgydkh4N1JoUWQwR0JyWUVlcTl5ZHJXQnVxSHozNzM4Um84bkdGN
3liTm16eSIsIm1hYyI6ImY4ZTdmZDdlNDlmNGZhYWY5MTZlMzcyY2RmZjYyNDM3MzEwMjJlNmYyNDc2OT
dmMDY2ZDRlN2YyMThjYWI3ZWUifQ%3D%3D; expires=Thu, 05-Jan-2023 07:08:41 GMT; Max-Age=7200; path=/; httponly

#### This cookie has the following issues:

- Cookie without SameSite attribute.

When cookies lack the SameSite attribute, Web browsers may apply different and sometimes unexpected defaults. It is therefore recommended to add a SameSite attribute with an appropriate value of either "Strict", "Lax", or "None".

#### Request

GET / HTTP/1.1

Referer: https://it-support-tag-aws.fpt-software.it/

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8

Accept-Encoding: gzip,deflate,br

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/99.0.4844.0 Safari/537.36

Host: it-support-tag-aws.fpt-software.it

Connection: Keep-alive

#### Recommendation

Ensure that the cookies configuration complies with the applicable standards.

#### References

## MDN | Set-Cookie

https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Set-Cookie

#### Securing cookies with cookie prefixes

https://www.sjoerdlangkemper.nl/2017/02/09/cookie-prefixes/

#### **Cookies: HTTP State Management Mechanism**

https://tools.ietf.org/html/draft-ietf-httpbis-rfc6265bis-05

#### SameSite Updates - The Chromium Projects

https://www.chromium.org/updates/same-site

#### draft-west-first-party-cookies-07: Same-site Cookies

https://tools.ietf.org/html/draft-west-first-party-cookies-07

# Cookies without HttpOnly flag set

One or more cookies don't have the HttpOnly flag set. When a cookie is set with the HttpOnly flag, it instructs the browser that the cookie can only be accessed by the server and not by client-side scripts. This is an important security protection for session cookies.

## **Impact**

Cookies can be accessed by client-side scripts.

# https://it-support-tag-aws.fpt-software.it/

Verified

Cookies without HttpOnly flag set:

• https://it-support-tag-aws.fpt-software.it/

Set-Cookie: XSRF-

TOKEN=eyJpdiI6Ijd5QURRU1dQRVg2QytYclFwUlBseVE9PSIsInZhbHVlIjoiNVdXbjd4Q3JKc0RxRE5 EVnNyVE56Q1RKK3FyZEYxSmphVE0ydU5qajdpWnp3TzhhQWszV2ZsV0ltU1RPY05TbyIsIm1hYyI6IjI5 NjU3ZTdiZjY5ZTQzYjYyNmUzODI2ZWIwODIwYjQxYjYzZDZmNGFhYTliNTkyMTRmYjUxZDczMjRjMmY5Z DAifQ%3D%3D; expires=Thu, 05-Jan-2023 06:40:06 GMT; Max-Age=7200; path=/

https://it-support-tag-aws.fpt-software.it/login

Set-Cookie: XSRF-

TOKEN=eyJpdi161khFQWV6MFNGaDB0XC92d0M5M1ZCNU5nPT0iLCJ2YWx1ZSI6ImtPREQ5R3pXTXlIQj1
XRWhZNEZOTF13bXpta0JYaW9Va2xVaGo4aDJLTnVTRHJNQzVxYWJDQlwvYkZcL1JEOThiaiIsIm1hYyI6
IjM2ODM2ZDk3YmI0NmJmNzRjMWUyOTlhZTZmZDk5ZGZ1ZTUxZTYyYWQ5ZDc5NzVmYzcyZTBjODliOTgxZ
mRmYzQifQ%3D%3D; expires=Thu, 05-Jan-2023 06:42:11 GMT; Max-Age=7200; path=/

https://it-support-tag-aws.fpt-software.it/login

Set-Cookie: XSRF-

TOKEN=eyJpdiI6IjhEODdocDFQT3RcL1htc0N4N3UxN1hnPT0iLCJ2YWx1ZSI6IkZsYVwvUGJFNElJdDY 2dGFiZnhua2hyejNjemFGR1FUK0huN25hV3hsQ09idEEySTFYOVd1XC9vYVhsYTd2bE1INyIsIm1hYyI6 ImVjYzBlNWRjY2RmYzIxM2QxNjdlYzA0ZWZiYWE2ZjE4ZTUxOWEwNTNhM2NlM2RiYTU2MzQzZjkwNzMyN 2Q2MGIifQ%3D%3D; expires=Thu, 05-Jan-2023 06:43:07 GMT; Max-Age=7200; path=/

https://it-support-tag-aws.fpt-software.it/login

Set-Cookie: XSRF-

TOKEN=eyJpdi16IjhZbEJxMHFheVZuSDY5YlBaVURSaXc9PSIsInZhbHVlIjoiZDRUN2g0cnlxRXhEY01
BM0hoV0dUMlg1YnpTa205KzlhV2w3MTdma2VkajhcL0tWaFhwU0pFUEdpckV3ejFqUUMiLCJtYWMiOiIw
NDBmMjcwMzdhYWVmZWJmYjM0NmUwZGUxZmQwNjIxMWRhYjlhOGZiY2NiNjY1Mzg1OTIzY2ZhYjgwMTkyY
2ExIn0%3D; expires=Thu, 05-Jan-2023 06:47:57 GMT; Max-Age=7200; path=/

https://it-support-tag-aws.fpt-software.it/

```
Set-Cookie: XSRF-
```

TOKEN=eyJpdi16ImRcLzdoQXJObFFIYnVSWGxyNHhQVjBBPT0iLCJ2YWx1ZSI6IjhPd0JqbGR3MEYwaFR CRmJQY0ZsTCtDaFlIeTRHeDBlSWhkdGFwY05xT0p2cHJsZ2RtXC9F0E1uZ2hac1NPblJIIiwibWFjIjoi ZTBjMzdjZTVmMDViMTY3NTk0YWY0MjZjNmNjYjdhZjRmZjk1Yzg3MGY4NjM1MjQ1ZGZkM2U0NzJiMTIzY mJ1ZiJ9; expires=Thu, 05-Jan-2023 07:05:17 GMT; Max-Age=7200; path=/

• https://it-support-tag-aws.fpt-software.it/login

```
Set-Cookie: XSRF-
```

TOKEN=eyJpdi16Iis3azF2bGlhZ3hMazM5OTQxZ0NpOGc9PSIsInZhbHVlIjoiVEJHUVQzcmZGUis1SnB 3a2xvclVzc0tGYUdJKzZuYVdcLzlTM2lpQjdQSHZvUGRwdk1wK2UzaVRZa1c4Zk5xN1EiLCJtYWMiOiJl ZmMzMzQ2N2M0NGJhNGY5M2VjOTU1MTIwMGE1OWQ0NDEwZDdkYjIwMzRmYmExNDUyNDZhNGNiOWU2OGViN 2YwIn0%3D; expires=Thu, 05-Jan-2023 07:05:18 GMT; Max-Age=7200; path=/

• https://it-support-tag-aws.fpt-software.it/login

```
Set-Cookie: XSRF-
```

TOKEN=eyJpdiI6IlpIMUVSbXVod3N6a0lubnJTRGtRWGc9PSIsInZhbHV1Ijoic3ZiMEdqbDJKYjVUUTR wWTBUb2VNdlpPN2t6NWVpOGZcL2V2R1FQYytwSlQ3SDVJZzVSZFFvYkswaEhQczZWXC9YIiwibWFjIjoi M2EyN2Q2MTRmMzRhYjJiMGZmZDY1OGFiMmE0M2E1NzQ2YjA5YTE3NzJmMTExNjE3N2Q4MTgyN2YzMjQ1Y 2QwZCJ9; expires=Thu, 05-Jan-2023 07:08:41 GMT; Max-Age=7200; path=/

#### Request

```
GET / HTTP/1.1
```

Referer: https://it-support-tag-aws.fpt-software.it/

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8

Accept-Encoding: gzip,deflate,br

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/99.0.4844.0 Safari/537.36

Host: it-support-tag-aws.fpt-software.it

Connection: Keep-alive

#### Recommendation

If possible, you should set the HttpOnly flag for these cookies.

# **Cookies without Secure flag set**

One or more cookies does not have the Secure flag set. When a cookie is set with the Secure flag, it instructs the browser that the cookie can only be accessed over secure SSL/TLS channels. This is an important security protection for session cookies.

# **Impact**

Cookies could be sent over unencrypted channels.

# https://it-support-tag-aws.fpt-software.it/

Verified

Cookies without Secure flag set:

https://it-support-tag-aws.fpt-software.it/

Set-Cookie: XSRF-

TOKEN=eyJpdiI6Ijd5QURRU1dQRVg2QytYclFwUlBseVE9PSIsInZhbHVlIjoiNVdXbjd4Q3JKcORxRE5 EVnNyVE56Q1RKK3FyZEYxSmphVE0ydU5qajdpWnp3TzhhQWszV2ZsV0ltU1RPY05TbyIsIm1hYyI6IjI5 NjU3ZTdiZjY5ZTQzYjYyNmUzODI2ZWIwODIwYjQxYjYzZDZmNGFhYTliNTkyMTRmYjUxZDczMjRjMmY5Z DAifQ%3D%3D; expires=Thu, 05-Jan-2023 06:40:06 GMT; Max-Age=7200; path=/

https://it-support-tag-aws.fpt-software.it/

Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6Im9sR3BvRzVONE9HOG9RbjNQWGUycWc9PSIsInZhbHVl
IjoiaGFuMkkxS3lRbzklK0tkVGlhRHZBUDdYQlRiSFpid3hxU01tNFdNVWpHd2tMaDZ6cjdZbk9oRm5lX
C9MMkl0alIiLCJtYWMiOiI4NDA2MjQ3OTM0MzA0NDA5Njk3YjI4OTRiMWQ2MzI1NDZlNzI1OTc4YmZlMT
I5OWJhYWRlZDhkNmI2ZTAzOWY3In0%3D; expires=Thu, 05-Jan-2023 06:40:06 GMT; MaxAge=7200; path=/; httponly

• https://it-support-tag-aws.fpt-software.it/login

Set-Cookie: XSRF-

TOKEN=eyJpdi161khFQWV6MFNGaDB0XC92d0M5M1ZCNU5nPT0iLCJ2YWx1ZS161mtPREQ5R3pXTXlIQj1 XRWhZNEZOTF13bXpta0JYaW9Va2xVaGo4aDJLTnVTRHJNQzVxYWJDQlwvYkZcL1JEOThiaiIsIm1hYy16 IjM2ODM2ZDk3YmI0NmJmNzRjMWUyOT1hZTZmZDk5ZGZ1ZTUxZTYyYWQ5ZDc5NzVmYzcyZTBjODliOTgxZ mRmYzQifQ%3D%3D; expires=Thu, 05-Jan-2023 06:42:11 GMT; Max-Age=7200; path=/

#### https://it-support-tag-aws.fpt-software.it/login

#### Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6ImFpQ2hDTUxJOUFTWlg0cWw5Rjd5TlE9PSIsInZhbHVl
IjoicXJwQjd5Z01qbFhjcHR4N0crYXpZZDdYNThGQnpUdFljK256OXdqUllyTGo2UXQ4OUlSYjFvNjZlb
zQ3WlFndiIsIm1hYyI6IjIyNGM1N2Q3NzIxOTIyNGY0YzEyMjU5ZjI3ODk1YzcwMDQ4MzBiNzBlYjJjNz
VjNGI2NGVmMTg0Yjk4YmVhNGIifQ%3D%3D; expires=Thu, 05-Jan-2023 06:42:11 GMT; Max-Aqe=7200; path=/; httponly

#### • https://it-support-tag-aws.fpt-software.it/login

```
Set-Cookie: XSRF-
```

TOKEN=eyJpdi16IjhEODdocDFQT3RcL1htc0N4N3UxN1hnPT0iLCJ2YWx1ZSI6IkZsYVwvUGJFNElJdDY 2dGFiZnhua2hyejNjemFGR1FUK0huN25hV3hsQ09idEEySTFYOVd1XC9vYVhsYTd2bE1INyIsIm1hYyI6 ImVjYzBlNWRjY2RmYzIxM2QxNjdlYzA0ZWZiYWE2ZjE4ZTUxOWEwNTNhM2NlM2RiYTU2MzQzZjkwNzMyN 2Q2MGIifQ%3D%3D; expires=Thu, 05-Jan-2023 06:43:07 GMT; Max-Aqe=7200; path=/

#### • https://it-support-tag-aws.fpt-software.it/login

#### Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6IjE2c0V5YzJGWXZ4aUh5azdwdWdwTFE9PSIsInZhbHVl IjoiUWhqcGlkQVkxK0o4Um9SeTJOaWo0T29wTEF0ejlrSnZQdUVhMFJ1NFpOc1p0WU53UVduejdKSytSK 1EyRmZacyIsIm1hYyI6IjhmODQ0NWQ1MGIzZTVmN2NiYWU5ZTlkYzExMTA2MDI3NDk0MWQ2ZGQ3OWYwZj NiNDc5NjY0NmMyNTM4N2E4ZjUifQ%3D%3D; expires=Thu, 05-Jan-2023 06:43:07 GMT; Max-Age=7200; path=/; httponly

#### https://it-support-tag-aws.fpt-software.it/login

Set-Cookie: XSRF-

TOKEN=eyJpdi16IjhZbEJxMHFheVZuSDY5YlBaVURSaXc9PSIsInZhbHVlIjoiZDRUN2g0cnlxRXhEY01
BM0hoV0dUMlg1YnpTa205KzlhV2w3MTdma2VkajhcL0tWaFhwU0pFUEdpckV3ejFqUUMiLCJtYWMiOiIw
NDBmMjcwMzdhYWVmZWJmYjM0NmUwZGUxZmQwNjIxMWRhYjlhOGZiY2NiNjY1Mzg1OTIzY2ZhYjgwMTkyY
2ExIn0%3D; expires=Thu, 05-Jan-2023 06:47:57 GMT; Max-Age=7200; path=/

#### • https://it-support-tag-aws.fpt-software.it/login

#### Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6IjhXcWt4djBHWjRaazF2eW1yOUx0dGc9PSIsInZhbHVl
IjoiVktGSXdWOHJEc2EzVDBTdExwR01VWlQ5Q2sr0EZJVTNxT3IwalpQZytvZmdrREYwRGpBZDhxSTdaR

CtCbzdQUSIsIm1hYy16IjBhMDdhZWI0OWRlODhhYmY1YTgzMDc4YTY4NTFmNjdkYmNhODNjYTlkYWJkYT gyNmFhNDU4NDI3YjBiNGFjZTgifQ%3D%3D; expires=Thu, 05-Jan-2023 06:47:57 GMT; Max-Age=7200; path=/; httponly

#### https://it-support-tag-aws.fpt-software.it/

Set-Cookie: XSRF-

TOKEN=eyJpdi16ImRcLzdoQXJObFFIYnVSWGxyNHhQVjBBPT0iLCJ2YWx1ZSI6IjhPd0JqbGR3MEYwaFR CRmJQY0ZsTCtDaFlIeTRHeDBlSWhkdGFwY05xT0p2cHJsZ2RtXC9F0E1uZ2hac1NPblJIIiwibWFjIjoi ZTBjMzdjZTVmMDViMTY3NTk0YWY0MjZjNmNjYjdhZjRmZjk1Yzg3MGY4NjM1MjQ1ZGZkM2U0NzJiMTIzY mJlZiJ9; expires=Thu, 05-Jan-2023 07:05:17 GMT; Max-Age=7200; path=/

#### https://it-support-tag-aws.fpt-software.it/

#### Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6IkNSN3k4NE1TTEFaYWhCU2JwNDVHeXc9PSIsInZhbHVl IjoiSDB2cTNPNWExbjVcLzcrbTM0UnpWSGI0Mmt4Y0tWYTU10WpyR1VcL3ZSaHRJMFJ1djMrU29wVm9MZ XZtQXI4WGV3IiwibWFjIjoiYWQzMTA5MTJjYzllZjJjZDI3MmQ5MjNmYzM5ZGU5MzFjNTMxM2I0NmYzNT QyOWIwNjg5Mzc0ZWEwMTEyZjI4NiJ9; expires=Thu, 05-Jan-2023 07:05:17 GMT; Max-Age=7200; path=/; httponly

#### • https://it-support-tag-aws.fpt-software.it/login

#### Set-Cookie:

workplace\_bot\_ticket\_session=eyJpdiI6Ik93bmYxdlhuVVBEdUNNSkNoaWU1RFE9PSIsInZhbHVl
IjoiSWxabWg5VXhFNjZkXC9rSlVtTTFqdXVhMVMxUWF0bXdjRENRRVg5djNjR3lFcnhsazVNRjIxTjN2X
C8rU1FvNU1GIiwibWFjIjoiODY1ZDE1NWQyMGFiMTQyYzJlY2ZjMGU2OWI4ZWNiYTk1ZjQ3MzRiZDQxNz
EwMjc5YjYwMzQ0MTQwM2MzYTZhZCJ9; expires=Thu, 05-Jan-2023 07:05:16 GMT; MaxAge=7200; path=/; httponly

#### • https://it-support-tag-aws.fpt-software.it/login

Set-Cookie: XSRF-

TOKEN=eyJpdi16Iis3azF2bGlhZ3hMazM5OTQxZ0NpOGc9PSIsInZhbHV1IjoiVEJHUVQzcmZGUis1SnB 3a2xvclVzc0tGYUdJKzZuYVdcLzlTM2lpQjdQSHZvUGRwdk1wK2UzaVRZa1c4Zk5xN1EiLCJtYWMiOiJl ZmMzMzQ2N2M0NGJhNGY5M2VjOTU1MTIwMGE1OWQ0NDEwZDdkYjIwMzRmYmExNDUyNDZhNGNiOWU2OGViN 2YwIn0%3D; expires=Thu, 05-Jan-2023 07:05:18 GMT; Max-Age=7200; path=/

#### https://it-support-tag-aws.fpt-software.it/login

```
Set-Cookie:
```

workplace\_bot\_ticket\_session=eyJpdiI6ImlCVlFXUzhQKzlYdU1acldzanJzU2c9PSIsInZhbHVl
IjoiWHFFYk1SMHZ2b2pGQmRsSDBuM2VlSHA4WHQ5WkxuOVNkcitaUTlUTDdiNERPWDRYRkp1Rm1MRkFNN
lVcLzNnVFYiLCJtYWMiOiIzZDdlMDQ2NWZjNGYzYTcxMzYxMzYzMDcyNWEwNDcyNTM3ZGJhNzAzNGI2MW
Q1YTFlMzA5Mzg4MDFjZDM5NmY3In0%3D; expires=Thu, 05-Jan-2023 07:05:18 GMT; Max-Age=7200; path=/; httponly

https://it-support-tag-aws.fpt-software.it/login

```
Set-Cookie: XSRF-
```

TOKEN=eyJpdi1611pIMUVSbXVod3N6a01ubnJTRGtRWGc9PSIsInZhbHVlIjoic3ZiMEdqbDJKYjVUUTR wWTBUb2VNdlpPN2t6NWVpOGZcL2V2R1FQYytwSlQ3SDVJZzVSZFFvYkswaEhQczZWXC9YIiwibWFjIjoi M2EyN2Q2MTRmMzRhYjJiMGZmZDY1OGFiMmE0M2E1NzQ2YjA5YTE3NzJmMTExNjE3N2Q4MTgyN2YzMjQ1Y 2QwZCJ9; expires=Thu, 05-Jan-2023 07:08:41 GMT; Max-Age=7200; path=/

https://it-support-tag-aws.fpt-software.it/login

```
Set-Cookie:
```

workplace\_bot\_ticket\_session=eyJpdiI6IkR3U1dhdUFzUVJDdGtzQlRFVmNwMHc9PSIsInZhbHVl
IjoiU2FWNjBCY1Q0aUlSTWtjMTlvWlgydkh4N1JoUWQwR0JyWUVlcTl5ZHJXQnVxSHozNzM4Um84bkdGN
3liTm16eSIsIm1hYyI6ImY4ZTdmZDdlNDlmNGZhYWY5MTZlMzcyY2RmZjYyNDM3MzEwMjJlNmYyNDc2OT
dmMDY2ZDRlN2YyMThjYWI3ZWUifQ%3D%3D; expires=Thu, 05-Jan-2023 07:08:41 GMT; Max-Age=7200; path=/; httponly

#### Request

```
GET / HTTP/1.1

Referer: https://it-support-tag-aws.fpt-software.it/

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8

Accept-Encoding: gzip,deflate,br

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/99.0.4844.0 Safari/537.36

Host: it-support-tag-aws.fpt-software.it

Connection: Keep-alive
```

#### Recommendation

If possible, you should set the Secure flag for these cookies.

# HTTP Strict Transport Security (HSTS) not implemented

HTTP Strict Transport Security (HSTS) tells a browser that a web site is only accessable using HTTPS. It was detected that your web application doesn't implement HTTP Strict Transport Security (HSTS) as the Strict Transport Security header is missing from the response.

## **Impact**

HSTS can be used to prevent and/or mitigate some types of man-in-the-middle (MitM) attacks

# https://it-support-tag-aws.fpt-software.it/

URLs where HSTS is not enabled:

• https://it-support-tag-aws.fpt-software.it/9389881

#### Request

```
GET /9389881 HTTP/1.1
Referer: https://it-support-tag-aws.fpt-software.it/
Cookie: XSRF-
TOKEN=eyJpdiI6Ijd5QURRU1dQRVg2QytYc1FwU1BseVE9PSIsInZhbHVlIjoiNVdXbjd4Q3JKc0RxRE5EVnNyVE56Q1RKK3FyZE
YxSmphVE0ydU5qajdpWnp3TzhhQWszV2ZsV0ltU1RPY05TbyIsIm1hYyI6IjI5NjU3ZTdiZjY5ZTQzYjYyNmUzODI2ZWIwODIwYj
QxYjYzZDZmNGFhYTliNTkyMTRmYjUxZDczMjRjMmY5ZDAifQ%3D%3D;
workplace bot ticket session=eyJpdiI6Im9sR3BvRzVONE9HOG9RbjNQWGUycWc9PSIsInZhbHVlIjoiaGFuMkkxS3lRbzk
1K0tkVGlhRHZBUDdY0lRiSFpid3hxU01tNFdNVWpHd2tMaDZ6cjdZbk9oRm51XC9MMkl0alIiLCJtYWMi0iI4NDA2Mj030TM0MzA
0NDA5Njk3YjI4OTRiMWQ2MzI1NDZlNzI1OTc4YmZlMTI5OWJhYWR1ZDhkNmI2ZTAzOWY3In0%3D;
cf bm=TxK272th zOIvWKtwgDKeWcrhLrMncVRqn4XMDfwESk-1672893606-0-
AYjlOHhqKwhyWWH2Xxl/hYe+r9G98Lq7AbFz4yJl46qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Encoding: gzip, deflate, br
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/99.0.4844.0 Safari/537.36
Host: it-support-tag-aws.fpt-software.it
Connection: Keep-alive
```

#### Recommendation

It's recommended to implement HTTP Strict Transport Security (HSTS) into your web application. Consult web references for more information

#### References

#### hstspreload.org

https://hstspreload.org/

#### **Strict-Transport-Security**

https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Strict-Transport-Security

# Session cookies scoped to parent domain

One ore more session cookies are scoped to the parent domain instead of a sub-domain. If a cookie is scoped to a parent domain, then this cookie will be accessible by the parent domain and also by any other sub-domains of the parent domain. This could lead to security problems.

## **Impact**

None

# https://it-support-tag-aws.fpt-software.it/

Verified

Session cookies scoped to parent domain:

• https://it-support-tag-aws.fpt-software.it/

```
Set-Cookie: __cf_bm=TxK272th_zOIvWKtwgDKeWcrhLrMncVRqn4XMDfwESk-1672893606-0-AYjlOHhqKwhyWWH2Xxl/hYe+r9G98Lq7AbFz4yJl46qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=; path=/; expires=Thu, 05-Jan-23 05:10:06 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None
```

https://it-support-tag-aws.fpt-software.it/9389881

```
Set-Cookie: __cf_bm=aEl.uJ84x__jp431JwvKYihGWsdj_rsGuCWUXJ284Gw-1672893707-0-AV1F6yoGtkY6Wb05dd3qkqkLY4e3awM3o2wQZzmOr4FZ4EqV+dmcHnsnbJMfeb50Ck4B4yN5kNz/fwYOf/iqLIk=; path=/; expires=Thu, 05-Jan-23 05:11:47 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None
```

• https://it-support-tag-aws.fpt-software.it/login

```
Set-Cookie: __cf_bm=exxT3b1IPg00LNlW7BHb0Ebc88MV7pMWYXTR.SCqE04-1672893731-0-AZ+qmFX326BE6QBl09/cuD2DQ+njolCJS9/3wTEMVz6voilxtabsrPzMqL0qJRX4UWr3bbkbq8D9JBmmc
```

```
f83mdo=; path=/; expires=Thu, 05-Jan-23 05:12:11 GMT; domain=.fpt-software.it;
HttpOnly; Secure; SameSite=None
```

• https://it-support-tag-aws.fpt-software.it/login

Set-Cookie: \_\_cf\_bm=SzSv7txAnjiDGvdRKTe64WU3vVqu4rjq8KwrW.grVog-1672893787-0-AXcIn/WOd3JWyT6ROcJdPERKOog7N4Zzpa8ATxV7lCQwMGW4Is9nvQMyQKnM/Sny0PjFdQW0+aAxpSz+dt699zs=; path=/; expires=Thu, 05-Jan-23 05:13:07 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

• https://it-support-tag-aws.fpt-software.it/js/jquery.letterpic.min.js

Set-Cookie: \_\_cf\_bm=UGI\_7v31QVONrHh3457F11eAsp.wc.WprwdEsjtQK1Q-1672894172-0-AcDqk5A5GLU9evKIdVlBUdYmkQLktec7YhCTn8E7pJz+nI43A5ub138b3uFPDPku0CgWEhF882dWWMZA/jhcZnk=; path=/; expires=Thu, 05-Jan-23 05:19:32 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

• https://it-support-tag-aws.fpt-software.it/assets/vendors/base/vendors.bundle.css

Set-Cookie: \_\_cf\_bm=TF.1BPFLY2BhUutuJEuesNrQk5FclPW.9N2Mk.0OPSQ-1672894195-0-AWV4reEEuFV77DSFkX8RKuJEB/x2E2gdVrsZMt802hx4EcyBEmjrYu1Xg3bEq30Jyyjedyf63x+LzMn98Ryoy9c=; path=/; expires=Thu, 05-Jan-23 05:19:55 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

https://it-support-tag-aws.fpt-software.it/vendor/

Set-Cookie: \_\_cf\_bm=08aHTi4XRKm8aE613dvUv0oe7yCTsU6EG43MVp\_dtng-1672894212-0-AZJrxwIAkPkvzZUjKT0pCi4qt9udc0yTMjUuHEO5we3NomNXgyVvpUzgsw2xnM/pfbBeq2CAFG/FjO9WkK7YRjo=; path=/; expires=Thu, 05-Jan-23 05:20:12 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

• https://it-support-tag-aws.fpt-software.it/assets/vendors/base/fonts/flaticon/

Set-Cookie: \_\_cf\_bm=\_do.KJqp6DEtj7fpss27Exofz9QS1fOTx0ceGcACxxY-1672894314-0-AVy+bikNNeUPtChMXK50lbZgrx882d09dQfmbDRl37dbBK2UVQXt+a+TwN2KTuobsuiF8CnV2MKzJD4bL2BKiIo=; path=/; expires=Thu, 05-Jan-23 05:21:54 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

https://it-support-tag-aws.fpt-software.it/js/jquery.loading.min.js

Set-Cookie: \_\_cf\_bm=P3FGulTB6QLk13LcbwaEUrGXUThx\_dgGMb753A7Qjmk-1672894327-0-AcxuVugo1G/BamQVuI/1d1KQdAbPCLLMgSBI+h8j0uh9668nqZjfTRkXBeIWA9e06YoH8xds82FLY4m5V pd9b14=; path=/; expires=Thu, 05-Jan-23 05:22:07 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

• https://it-support-tag-aws.fpt-software.it/assets/app/js/app.js

Set-Cookie: \_\_cf\_bm=HqZZkT9TiwG11zFwdKGyOBLivXAMznHQsmACoG5j9V4-1672894425-0-AQC9cygitFZuW/ecIqrrJGzOb7kxa11G9VVawx3id/7pG1MvpAxe+zE3yheO/wGLFZ0iuvtv3CJ1+SyTnbOLbOw=; path=/; expires=Thu, 05-Jan-23 05:23:45 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

https://it-support-tag-aws.fpt-software.it/assets/

Set-Cookie: \_\_cf\_bm=MsIpGhP3Ciidt5diJsaRjuNYKEClN0.yUi6FV41owPA-1672894339-0-AX1BKKsHJt7NvyB02y/NGe3dPwKKPR4Rqh4E0XJ/OMWem7KRkQx5iFaz59eTZvJgnyAQNJWeIsSvBChDP3QrE00=; path=/; expires=Thu, 05-Jan-23 05:22:19 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

• https://it-support-tag-aws.fpt-software.it/assets/app/

Set-Cookie: \_\_cf\_bm=1SR07Fw3ffmt6Lso1w\_dUVzTZpq9smgygZTv3viWiCc-1672894437-0-AUwU4Rm+0alleXoIFXjbLKf7E6gDvJfeLAISA6iAIvXb7NzU11cTHgnGDQfUDD0C9gTCFygssEdaR/YYdgc7KLo=; path=/; expires=Thu, 05-Jan-23 05:23:57 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

https://it-support-tag-aws.fpt-software.it/assets/vendors/

Set-Cookie: \_\_cf\_bm=zcMgjcjg9CX9YPRLrl8HCh1x6ppIpcJMgnXb3dgixO8-1672894437-0-Adm27qb4kGhA54OwzZhSbmX0NaMSZwQtrdlft9zY6tIFUXPOflyqte0bCL0suy+dDh5mdQAj+dq+8LMsAmCL8Lw=; path=/; expires=Thu, 05-Jan-23 05:23:57 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

• https://it-support-tag-aws.fpt-software.it/assets/demo/default/media/

Set-Cookie: \_\_cf\_bm=AixjXSJdwluHN7vevz5TTzo4J1Rdpi86.307Z4o2pk0-1672894439-0-AW21FqOEHDJWZNff5rZW3WXClRPLQiPh8ToxNpn5eYiafVwlowX05tXJWPViweDT419Gpfp073w/gtLMBWPsbTw=; path=/; expires=Thu, 05-Jan-23 05:23:59 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

• https://it-support-tag-aws.fpt-software.it/assets/app/js/

Set-Cookie: \_\_cf\_bm=PyadKSHSmYRjR8zwTd2OKXapdwzHo4PDBZyaXmZ.IiU-1672894537-0-ASNz1slbfLavfpMNMZ+vBt61tZP/veEe3mVKVcC8LuavdA3kkQ+p1MGJw4tYfOqS2vNouME8c2mt6WzWREGa+TY=; path=/; expires=Thu, 05-Jan-23 05:25:37 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

https://it-support-tag-aws.fpt-software.it/assets/vendors/base/fonts/fontawesome5/

Set-Cookie: \_\_cf\_bm=0XjFWB2QYXyz\_Nw5.MB4GOF0LCZY82xVrCykj3weIkg-1672894539-0-Aegy8c4b6Cf+b8oNbH8PX321R8DPkkicnAwPlKM+/+G39VZJurxLYaM6KpnOZOxXewb75SJquFZmXkdSg0VUOrQ=; path=/; expires=Thu, 05-Jan-23 05:25:39 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

https://it-support-tag-aws.fpt-software.it/assets/demo/default/

Set-Cookie: \_\_cf\_bm=lbUwZWH16\_wbf1FiCB.iHTdbUIXHXBy7pOinZv.gZWI-1672894568-0-AdIpGFcR+TmNHnJGsfPn6U8PuhNOFEIrNdjKGXnG6uWBgQhotNR6wUAHxkNXEUh+soOkuSPANnSCzqD/BL1MPW4=; path=/; expires=Thu, 05-Jan-23 05:26:08 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

https://it-support-tag-aws.fpt-software.it/assets/app/media/img/files/

Set-Cookie: \_\_cf\_bm=DV34fbWNGWNPIw3UkZVUwDgwVBmF0U24GqoCHJt8MkY-1672894571-0-AX+tmVKHMvhkGyNfrQZCs3rVZXpOrrE9Ef01ErMt28jpBMhTwvxgA8x42pe+v7qkvzvSCgqw+EyC9IE9T2YxX9w=; path=/; expires=Thu, 05-Jan-23 05:26:11 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None

https://it-support-tag-aws.fpt-software.it/assets/demo/default/base/

Set-Cookie: \_\_cf\_bm=\_WLvxTBA9dg5MliUZH6q4TbmJzE8B.faZ7B0arNMbIk-1672894638-0-AYkuNiTPAYFJs4kmvLSiR1M20YHtwZhGAsUtW37spE9eHCd7BkbCa1sVz34wK5YE7dsFzNmqmDpipiLGS

```
nJ62sI=; path=/; expires=Thu, 05-Jan-23 05:27:18 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None
```

• https://it-support-tag-aws.fpt-software.it/assets/app/media/img/misc/

```
Set-Cookie: __cf_bm=sdFY4VhWWUb2jMLf4zeEr0nFHQbnm08xI6Lc_OUlhv8-1672894685-0-AbAfCYCDpkJWd3fkiNDS/cyYqW3fbLAN4Wy8lpdVECF1+oJA1093YrETqkxHdgXanHz+vg1zCYuG2NJnNYjpN/0=; path=/; expires=Thu, 05-Jan-23 05:28:05 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None
```

https://it-support-tag-aws.fpt-software.it/assets/vendors/base/vendors.bundle.js

```
Set-Cookie: __cf_bm=LdExBZ2effJn48Ub_TTw.duLYeL7idiswCE_0GvEXj8-1672894708-0-AQY2Efq+GUWAeX00D4tOrYEpeqkTnCzCwYDTjwvcvHXkGJH1Y2U5pkQUERAOc0STg2uDnQiSxGhiSul54lEryo8=; path=/; expires=Thu, 05-Jan-23 05:28:28 GMT; domain=.fpt-software.it; HttpOnly; Secure; SameSite=None
```

#### Request

```
GET / HTTP/1.1
Referer: https://it-support-tag-aws.fpt-software.it/
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Encoding: gzip,deflate,br
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/99.0.4844.0 Safari/537.36
Host: it-support-tag-aws.fpt-software.it
Connection: Keep-alive
```

#### Recommendation

If possible, the session cookies should be scoped strictly to a sub-domain.

# Content Security Policy (CSP) not implemented

Content Security Policy (CSP) is an added layer of security that helps to detect and mitigate certain types of attacks, including Cross Site Scripting (XSS) and data injection attacks.

Content Security Policy (CSP) can be implemented by adding a Content-Security-Policy header. The value

of this header is a string containing the policy directives describing your Content Security Policy. To implement CSP, you should define lists of allowed origins for the all of the types of resources that your site utilizes. For example, if you have a simple site that needs to load scripts, stylesheets, and images hosted locally, as well as from the jQuery library from their CDN, the CSP header could look like the following:

```
Content-Security-Policy:
default-src 'self';
script-src 'self' https://code.jquery.com;
```

It was detected that your web application doesn't implement Content Security Policy (CSP) as the CSP header is missing from the response. It's recommended to implement Content Security Policy (CSP) into your web application.

## **Impact**

CSP can be used to prevent and/or mitigate attacks that involve content/code injection, such as cross-site scripting/XSS attacks, attacks that require embedding a malicious resource, attacks that involve malicious use of iframes, such as clickjacking attacks, and others.

# https://it-support-tag-aws.fpt-software.it/

Paths without CSP header:

- https://it-support-tag-aws.fpt-software.it/9389881
- https://it-support-tag-aws.fpt-software.it/login

#### Request

```
GET /9389881 HTTP/1.1
Referer: https://it-support-tag-aws.fpt-software.it/
Cookie: XSRF-
TOKEN=eyJpdiI6Ijd5QURRU1dQRVg2QytYclFwUlBseVE9PSIsInZhbHVlIjoiNVdXbjd4Q3JKc0RxRE5EVnNyVE56Q1RKK3FyZE
YxSmphVE0ydU5qajdpWnp3TzhhQWszV2ZsV01tU1RPY05TbyIsIm1hYyI6IjI5NjU3ZTdiZjY5ZTQzYjYyNmUzODI2ZWIwODIwYj
QxYjYzZDZmNGFhYTliNTkyMTRmYjUxZDczMjRjMmY5ZDAifQ%3D%3D;
workplace bot ticket session=eyJpdiI6Im9sR3BvRzVONE9HOG9RbjNQWGUycWc9PSIsInZhbHVlIjoiaGFuMkkxS3lRbzk
1K0tkVGlhRHZBUDdYQlRiSFpid3hxU01tNFdNVWpHd2tMaDZ6cjdZbk9oRm51XC9MMk10alIiLCJtYWMi0iI4NDA2MjQ3OTM0MzA
0NDA5Njk3YjI4OTRiMWQ2MzI1NDZlNzI1OTc4YmZlMTI5OWJhYWRlZDhkNmI2ZTAzOWY3In0%3D;
 cf bm=TxK272th zOIvWKtwgDKeWcrhLrMncVRqn4XMDfwESk-1672893606-0-
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Encoding: gzip, deflate, br
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/99.0.4844.0 Safari/537.36
Host: it-support-tag-aws.fpt-software.it
Connection: Keep-alive
```

#### Recommendation

It's recommended to implement Content Security Policy (CSP) into your web application. Configuring Content Security Policy involves adding the **Content-Security-Policy** HTTP header to a web page and giving it values to control resources the user agent is allowed to load for that page.

#### References

#### Content Security Policy (CSP)

https://developer.mozilla.org/en-US/docs/Web/HTTP/CSP

## **Implementing Content Security Policy**

https://hacks.mozilla.org/2016/02/implementing-content-security-policy/

# **PHP Version Disclosure**

The web server is sending the X-Powered-By: response headers, revealing the PHP version.

# **Impact**

An attacker might use the disclosed information to harvest specific security vulnerabilities for the version identified.

# https://it-support-tag-aws.fpt-software.it/

Version detected: PHP/7.3.33.

#### Recommendation

Configure your web server to prevent information leakage from its HTTP response.

#### References

#### PHP Documentation: header remove()

https://www.php.net/manual/en/function.header-remove.php

#### PHP Documentation: php.ini directive expose php

https://www.php.net/manual/en/ini.core.php#ini.expose-php

# Reverse proxy detected

This server uses a reverse proxy, a load balancer or a CDN (Content Delivery Network) or it's hosted in a cloud provider. Acunetix detected this by sending various payloads and detecting changes in headers and body.

## **Impact**

No impact is associated with this vulnerability.

# https://it-support-tag-aws.fpt-software.it/

Detected reverse proxy: CloudFlare

#### Request

```
GET / HTTP/1.1

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8

Accept-Encoding: gzip,deflate,br

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/99.0.4844.0 Safari/537.36

Host: it-support-tag-aws.fpt-software.it

Connection: Keep-alive
```

#### Recommendation

None

# Subresource Integrity (SRI) not implemented

Subresource Integrity (SRI) is a security feature that enables browsers to verify that third-party resources they fetch (for example, from a CDN) are delivered without unexpected manipulation. It works by allowing developers to provide a cryptographic hash that a fetched file must match.

Third-party resources (such as scripts and stylesheets) can be manipulated. An attacker that has access or has hacked the hosting CDN can manipulate or replace the files. SRI allows developers to specify a base64-encoded cryptographic hash of the resource to be loaded. The integrity attribute containing the hash is then added to the <script> HTML element tag. The integrity string consists of a base64-encoded hash, followed by a prefix that depends on the hash algorithm. This prefix can either be sha256, sha384 or sha512.

The script loaded from the external URL specified in the Details section doesn't implement Subresource Integrity (SRI). It's recommended to implement Subresource Integrity (SRI) for all the scripts loaded from external hosts.

# **Impact**

An attacker that has access or has hacked the hosting CDN can manipulate or replace the files.

# https://it-support-tag-aws.fpt-software.it/login

Pages where SRI is not implemented:

https://it-support-tag-aws.fpt-software.it/login
 Script SRC: https://ajax.googleapis.com/ajax/libs/webfont/1.6.16/webfont.js

#### Request

```
GET /login HTTP/1.1
Referer: https://it-support-tag-aws.fpt-software.it/
Cookie: XSRF-
\texttt{TOKEN} = \texttt{eyJpdi161jd5QURRU1dQRVg2QytYc1FwU1BseVE9PS1sInZhbHV11joiNVdXbjd4Q3JKc0RxRE5EVnNyVE56Q1RKK3FyZE1} \\
YxSmphVE0ydU5qajdpWnp3TzhhQWszV2ZsV01tU1RPY05TbyIsIm1hYyI6IjI5NjU3ZTdiZjY5ZTQzYjYyNmUzODI2ZWIwODIwYj
QxYjYzZDZmNGFhYTliNTkyMTRmYjUxZDczMjRjMmY5ZDAifQ%3D%3D;
workplace bot ticket session=eyJpdiI6Im9sR3BvRzVONE9HOG9RbjNQWGUycWc9PSIsInZhbHVlIjoiaGFuMkkxS3lRbzk
1K0tkVGlhRHZBUDdYQlRiSFpid3hxU01tNFdNVWpHd2tMaDZ6cjdZbk9oRm51XC9MMkl0alIiLCJtYWMi0iI4NDA2MjQ3OTM0MzA
0NDA5Njk3YjI4OTRiMWQ2MzI1NDZlNzI1OTc4YmZlMTI5OWJhYWRlZDhkNmI2ZTAzOWY3In0%3D;
 cf bm=aEl.uJ84x__jp431JwvKYihGWsdj_rsGuCWUXJ284Gw-1672893707-0-
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Encoding: gzip, deflate, br
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/99.0.4844.0 Safari/537.36
Host: it-support-tag-aws.fpt-software.it
Connection: Keep-alive
```

#### Recommendation

Use the SRI Hash Generator link (from the References section) to generate a <script> element that implements Subresource Integrity (SRI).

For example, you can use the following <script> element to tell a browser that before executing the https://example.com/example-framework.js script, the browser must first compare the script to the expected hash, and verify that there's a match.

```
<script src="https://example.com/example-framework.js"
integrity="sha384-oqVuAfXRKap7fdgcCY5uykM6+R9GqQ8K/uxy9rx7HNQlGYl1kPzQho1wx4JwY8wC"
crossorigin="anonymous"></script>
```

#### References

## **Subresource Integrity**

https://developer.mozilla.org/en-US/docs/Web/Security/Subresource\_Integrity

#### **SRI Hash Generator**

https://www.srihash.org/

# Web Application Firewall detected

This server is protected by an IPS (Intrusion Prevention System), IDS (Intrusion Detection System) or an WAF (Web Application Firewall). Acunetix detected this by sending various malicious payloads and detecting changes in the response code, headers and body.

## **Impact**

You may receive incorrect/incomplete results when scanning a server protected by an IPS/IDS/WAF. Also, if the WAF detects a number of attacks coming from the scanner, the IP address can be blocked after a few attempts.

# https://it-support-tag-aws.fpt-software.it/

Detected Cloudflare WAF from the headers.

#### Request

```
GET /9389881 HTTP/1.1
Cookie: XSRF-
TOKEN=eyJpdi161jd5QURRU1dQRVg2QytYc1FwUlBseVE9PSIsInZhbHVl1joiNVdXbjd4Q3JKc0RxRE5EVnNyVE56Q1RKK3FyZE
YxSmphVE0ydU5qajdpWnp3TzhhQWszV2ZsV01tU1RPY05TbyIsIm1hYyI6IjI5NjU3ZTdiZjY5ZTQzYjYyNmUzODI2ZWIwODIwYj
QxYjYzZDZmNGFhYTliNTkyMTRmYjUxZDczMjRjMmY5ZDAifQ%3D%3D;
workplace \ bot\_ticket\_session = eyJpdiI6Im9sR3BvRzVONE9HOG9RbjNQWGUycWc9PSIsInZhbHVlIjoiaGFuMkkxS3lRbzk
1K0tkVGlhRHZBUDdYQlRiSFpid3hxU01tNFdNVWpHd2tMaDZ6cjdZbk9oRm51XC9MMkl0alIiLCJtYWMi0iI4NDA2MjQ3OTM0MzA
0NDA5Njk3YjI4OTRiMWQ2MzI1NDZlNzI1OTc4YmZlMTI5OWJhYWRlZDhkNmI2ZTAzOWY3In0%3D;
cf bm=TxK272th zOIvWKtwgDKeWcrhLrMncVRqn4XMDfwESk-1672893606-0-
\verb|AYj| 10 + hqKwhyWWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=|AYj10HhqKwhyWWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=|AYj10HhqKwhyWWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=|AYj10HhqKwhyWWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=|AYJ10HhqKwhyWWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=|AYJ10HhqKwhyWWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=|AYJ10HhqKwhyWWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=|AYJ10HhqKwhyWWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+/Cs+c2LmP/ZPJdnLyyg5kU1R5paGyuEFo=|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2Xx1/hYe+r9G98Lq7AbFz4yJ146qXDUuvGqjhJ+|AYJ10HhqKwhyWH2AbFqAbFy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbfy4yJ14qAbf
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Encoding: gzip, deflate, br
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/99.0.4844.0 Safari/537.36
Host: it-support-tag-aws.fpt-software.it
Connection: Keep-alive
```

#### Recommendation

If possible, it's recommended to scan an internal (development) version of the web application where the WAF is not active.

# Coverage

https://it-support-tag-aws.fpt-software.it/

https://it-support-tag-aws.fpt-software.it/login