

Developer Report

Acunetix Security Audit

2024-07-11

Scan of www.tnnua.edu.tw

Scan details

Scan information	
Start time	2024-07-11T00:01:03.148720+08:00
Start url	http://www.tnnua.edu.tw
Host	www.tnnua.edu.tw
Scan time	32 minutes, 8 seconds
Profile	Full Scan
Server information	nginx
Responsive	True
Server OS	Unknown
Application build	24.5.240529155

Threat level

Acunetix Threat Level 1

One or more low-severity type vulnerabilities have been discovered by the scanner.

Alerts distribution

Total alerts found	9
 Critical	0
 High	0
 Medium	0
 Low	5
 Informational	4

Alerts summary

▼ [Possible] Internal IP Address Disclosure

Classification		
CVSS4	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N Base Score: 6.9 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: None Confidentiality Impact to the Vulnerable System: Low Integrity Impact to the Vulnerable System: None Availability Impact to the Vulnerable System: None Confidentiality Impact to the Subsequent System: None Integrity Impact to the Subsequent System: None Availability Impact to the Subsequent System: None	
CVSS3	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N Base Score: 5.3 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: None Scope: Unchanged Confidentiality Impact: Low Integrity Impact: None Availability Impact: None	
CVSS2	Base Score: 5.0 Access Vector: Network_accessible Access Complexity: Low Authentication: None Confidentiality Impact: Partial Integrity Impact: None Availability Impact: None Exploitability: Not_defined Remediation Level: Not_defined Report Confidence: Not_defined Availability Requirement: Not_defined Collateral Damage Potential: Not_defined Confidentiality Requirement: Not_defined Integrity Requirement: Not_defined Target Distribution: Not_defined	
CWE	CWE-200	
Affected items		Variation
Web Server		1

▼ Cookies with missing, inconsistent or contradictory properties

Classification

CVSS4	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:A/VC:N/VI:N/VA:N/SC:N/SI:N/SA:N Base Score: 0.0 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: Active Confidentiality Impact to the Vulnerable System: None Integrity Impact to the Vulnerable System: None Availability Impact to the Vulnerable System: None Confidentiality Impact to the Subsequent System: None Integrity Impact to the Subsequent System: None Availability Impact to the Subsequent System: None	
CVSS3	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:N/I:N/A:N Base Score: 0.0 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: Required Scope: Unchanged Confidentiality Impact: None Integrity Impact: None Availability Impact: None	
CVSS2	Base Score: 0.0 Access Vector: Network_accessible Access Complexity: Low Authentication: None Confidentiality Impact: None Integrity Impact: None Availability Impact: None Exploitability: Not_defined Remediation Level: Not_defined Report Confidence: Not_defined Availability Requirement: Not_defined Collateral Damage Potential: Not_defined Confidentiality Requirement: Not_defined Integrity Requirement: Not_defined Target Distribution: Not_defined	
CWE	CWE-284	
Affected items		Variation
Web Server		1

▼ Insecure Frame (External)

Classification

CVSS4	CVSS:4.0/AV:N/AC:H/AT:N/PR:H/UI:A/VC:L/VI:L/VA:L/SC:L/Sl:L/SA:L Base Score: 1.8 Attack Vector: Network Attack Complexity: High Privileges Required: High User Interaction: Active Confidentiality Impact to the Vulnerable System: Low Integrity Impact to the Vulnerable System: Low Availability Impact to the Vulnerable System: Low Confidentiality Impact to the Subsequent System: Low Integrity Impact to the Subsequent System: Low Availability Impact to the Subsequent System: Low	
CVSS3	CVSS:3.1/AV:N/AC:H/PR:H/UI:R/S:C/C:L/I:L/A:L Base Score: 5.1 Attack Vector: Network Attack Complexity: High Privileges Required: High User Interaction: Required Scope: Changed Confidentiality Impact: Low Integrity Impact: Low Availability Impact: Low	
CVSS2	Base Score: 4.6 Access Vector: Network_accessible Access Complexity: High Authentication: Single Confidentiality Impact: Partial Integrity Impact: Partial Availability Impact: Partial Exploitability: Not_defined Remediation Level: Not_defined Report Confidence: Not_defined Availability Requirement: Not_defined Collateral Damage Potential: Not_defined Confidentiality Requirement: Not_defined Integrity Requirement: Not_defined Target Distribution: Not_defined	
CWE	CWE-829	
Affected items		Variation
Web Server		2
/p/404-1000-22746.php		1

 Content Security Policy (CSP) Not Implemented

Classification

CVSS4	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:A/VC:N/VI:N/VA:N/SC:N/SI:N/SA:N Base Score: 0.0 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: Active Confidentiality Impact to the Vulnerable System: None Integrity Impact to the Vulnerable System: None Availability Impact to the Vulnerable System: None Confidentiality Impact to the Subsequent System: None Integrity Impact to the Subsequent System: None Availability Impact to the Subsequent System: None	
CVSS3	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:C/C:N/I:N/A:N Base Score: 0.0 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: Required Scope: Changed Confidentiality Impact: None Integrity Impact: None Availability Impact: None	
CVSS2	Base Score: 0.0 Access Vector: Network_accessible Access Complexity: Low Authentication: None Confidentiality Impact: None Integrity Impact: None Availability Impact: None Exploitability: Not_defined Remediation Level: Not_defined Report Confidence: Not_defined Availability Requirement: Not_defined Collateral Damage Potential: Not_defined Confidentiality Requirement: Not_defined Integrity Requirement: Not_defined Target Distribution: Not_defined	
CWE	CWE-1021	
Affected items		Variation
Web Server		1

 Generic Email Address Disclosure

Classification

CVSS4	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:N/VI:N/VA:N/SC:N/SI:N/SA:N Base Score: 0.0 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: None Confidentiality Impact to the Vulnerable System: None Integrity Impact to the Vulnerable System: None Availability Impact to the Vulnerable System: None Confidentiality Impact to the Subsequent System: None Integrity Impact to the Subsequent System: None Availability Impact to the Subsequent System: None	
CVSS3	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:N Base Score: 0.0 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: None Scope: Unchanged Confidentiality Impact: None Integrity Impact: None Availability Impact: None	
CVSS2	Base Score: 0.0 Access Vector: Network_accessible Access Complexity: Low Authentication: None Confidentiality Impact: None Integrity Impact: None Availability Impact: None Exploitability: Not_defined Remediation Level: Not_defined Report Confidence: Not_defined Availability Requirement: Not_defined Collateral Damage Potential: Not_defined Confidentiality Requirement: Not_defined Integrity Requirement: Not_defined Target Distribution: Not_defined	
CWE	CWE-200	
Affected items		Variation
Web Server		1

 HTTP Strict Transport Security (HSTS) Errors and Warnings

Classification

CVSS4	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:A/VC:N/VI:N/VA:N/SC:N/SI:N/SA:N Base Score: 0.0 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: Active Confidentiality Impact to the Vulnerable System: None Integrity Impact to the Vulnerable System: None Availability Impact to the Vulnerable System: None Confidentiality Impact to the Subsequent System: None Integrity Impact to the Subsequent System: None Availability Impact to the Subsequent System: None	
CVSS3	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:C/C:N/I:N/A:N Base Score: 0.0 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: Required Scope: Changed Confidentiality Impact: None Integrity Impact: None Availability Impact: None	
CVSS2	Base Score: 0.0 Access Vector: Network_accessible Access Complexity: Low Authentication: None Confidentiality Impact: None Integrity Impact: None Availability Impact: None Exploitability: Not_defined Remediation Level: Not_defined Report Confidence: Not_defined Availability Requirement: Not_defined Collateral Damage Potential: Not_defined Confidentiality Requirement: Not_defined Integrity Requirement: Not_defined Target Distribution: Not_defined	
CWE	CWE-16	
Affected items		Variation
Web Server		1

 **Permissions-Policy header not implemented**

Classification

CVSS4	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:A/VC:N/VI:N/VA:N/SC:N/SI:N/SA:N Base Score: 0.0 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: Active Confidentiality Impact to the Vulnerable System: None Integrity Impact to the Vulnerable System: None Availability Impact to the Vulnerable System: None Confidentiality Impact to the Subsequent System: None Integrity Impact to the Subsequent System: None Availability Impact to the Subsequent System: None	
CVSS3	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:C/C:N/I:N/A:N Base Score: 0.0 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: Required Scope: Changed Confidentiality Impact: None Integrity Impact: None Availability Impact: None	
CVSS2	Base Score: 0.0 Access Vector: Network_accessible Access Complexity: Low Authentication: None Confidentiality Impact: None Integrity Impact: None Availability Impact: None Exploitability: Not_defined Remediation Level: Not_defined Report Confidence: Not_defined Availability Requirement: Not_defined Collateral Damage Potential: Not_defined Confidentiality Requirement: Not_defined Integrity Requirement: Not_defined Target Distribution: Not_defined	
CWE	CWE-1021	
Affected items		Variation
Web Server		1

Alerts details

▼ [Possible] Internal IP Address Disclosure

Severity	Low
Reported by module	/httpdata/text_search.js

Description

One or more strings matching an internal IPv4 address were found. These IPv4 addresses may disclose information about the IP addressing scheme of the internal network. This information can be used to conduct further attacks.

The significance of this finding should be confirmed manually.

Impact

Possible sensitive information disclosure.

Recommendation

Prevent this information from being displayed to the user.

Affected items

Web Server
Details
Pages with internal IPs: https://www.tnnua.edu.tw/p/412-1000-2028.php 192.168.100.118
Request headers
GET /p/412-1000-2028.php HTTP/1.1
Referer: https://www.tnnua.edu.tw/
Cookie: PageLang=zh-tw; _counter=3060922
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/125.0.0.0 Safari/537.36
Host: www.tnnua.edu.tw
Connection: Keep-alive

✓ Cookies with missing, inconsistent or contradictory properties

Severity	Low
Reported by module	/RPA/Cookie_Validator.js

Description

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, or 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.

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) (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/) (https://www.sjoerdlangkemper.nl/2017/02/09/cookie-prefixes/)
[Cookies: HTTP State Management Mechanism](https://tools.ietf.org/html/draft-ietf-httpbis-rfc6265bis-05) (https://tools.ietf.org/html/draft-ietf-httpbis-rfc6265bis-05)
[SameSite Updates - The Chromium Projects](https://www.chromium.org/updates/same-site) (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) (https://tools.ietf.org/html/draft-west-first-party-cookies-07)

Affected items

Web Server
Verified vulnerability
Details

List of cookies with missing, inconsistent or contradictory properties:

- <https://www.tnnua.edu.tw/>

Cookie was set with:

```
Set-Cookie: PageLang=zh-tw; path=/; secure; HttpOnly
```

This cookie has the following issues:

```
- Cookie without SameSite attribute.  
When cookies lack the SameSite attribute, Web browsers may apply different and someti
```

- <https://www.tnnua.edu.tw/>

Cookie was set with:

```
Set-Cookie: _counter=3060920; path=/; secure; HttpOnly
```

This cookie has the following issues:

```
- Cookie without SameSite attribute.  
When cookies lack the SameSite attribute, Web browsers may apply different and someti
```

- <https://www.tnnua.edu.tw/>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secur
```

This cookie has the following issues:

```
- Cookie without SameSite attribute.  
When cookies lack the SameSite attribute, Web browsers may apply different and someti
```

- <https://www.tnnua.edu.tw/app/authimg.php>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secur
```

This cookie has the following issues:

```
- Cookie without SameSite attribute.  
When cookies lack the SameSite attribute, Web browsers may apply different and someti
```

- <https://www.tnnua.edu.tw/app/index.php>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secur
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/var/file/0/1000/pictures/152/m/>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/var/file/0/1000/plugin/mobile/pictures/>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/index.php>

Cookie was set with:

```
Set-Cookie: PageLang=zh-tw; path=/; secure; HttpOnly
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/index.php>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/images/>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/p/17-1000.php>

Cookie was set with:

```
Set-Cookie: PageLang=zh-tw; path=/; secure; HttpOnly
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/p/17-1000.php>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/admin/>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/help/>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/lib/>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/var/file/0/1000/pictures/682/m/>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/mrtg/>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/app/showauthimg.php>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/index.php>

Cookie was set with:

```
Set-Cookie: PageLang=en; path=/; secure; HttpOnly
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behavior.

- <https://www.tnnua.edu.tw/p/412-1000-2026.php>

Cookie was set with:

```
Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure
```

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behaviors.

- <https://www.tnnua.edu.tw/var/file/0/1000/img/1/AboutTNNUAPPT.ppsx>

Cookie was set with:

Set-Cookie: SERVERID=; Expires=Thu, 01-Jan-1970 00:00:01 GMT; path=/; HttpOnly; Secure

This cookie has the following issues:

- Cookie without SameSite attribute.
When cookies lack the SameSite attribute, Web browsers may apply different and sometimes inconsistent behaviors.

Request headers

GET / HTTP/1.1

Referer: <https://www.tnnua.edu.tw/>

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/125.0.0.0 Safari/537.36

Host: www.tnnua.edu.tw

Connection: Keep-alive

✓ Insecure Frame (External)

Severity	Low
Reported by module	/httpdata/iframe_sandbox.js

Description

The web page was found to be using an Inline Frame ("iframe") to embed a resource, such as a different web page. The Inline Frame is either configured insecurely, or not as securely as expected. This vulnerability alert is based on the origin of the embedded resource and the iframe's sandbox attribute, which can be used to apply security restrictions as well as exceptions to these restrictions.

Impact

When a web page uses an insecurely configured iframe to embed another web page, the latter may manipulate the former, and trick its visitors into performing unwanted actions.

Recommendation

Review the iframe's purpose and environment, and use the sandbox attribute to secure the iframe while applying sandbox directives to ease security restrictions if necessary.

References

[MDN | iframe: The Inline Frame Element](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/iframe) (https://developer.mozilla.org/en-US/docs/Web/HTML/Element/iframe)
[HTML Standard: iframe](https://html.spec.whatwg.org/multipage/iframe-embed-object.html#the-iframe-element) (https://html.spec.whatwg.org/multipage/iframe-embed-object.html#the-iframe-element)
[HTML 5.2: 4.7. Embedded content](https://www.w3.org/TR/html52/semantics-embedded-content.html#element-attrdef-iframe-sandbox) (https://www.w3.org/TR/html52/semantics-embedded-content.html#element-attrdef-iframe-sandbox)

Affected items

Web Server
Verified vulnerability
Details
An iframe tag references an external resource, and no sandbox attribute is set.
Request headers
GET / HTTP/1.1
Referer: https://www.tnnua.edu.tw/
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/125.0.0.0 Safari/537.36
Host: www.tnnua.edu.tw
Connection: Keep-alive
Web Server
Verified vulnerability
Details
An iframe tag references an external resource, and no sandbox attribute is set.
Request headers
GET / HTTP/1.1
Referer: https://www.tnnua.edu.tw/
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/125.0.0.0 Safari/537.36
Host: www.tnnua.edu.tw
Connection: Keep-alive
/p/404-1000-22746.php
Verified vulnerability

Details
An iframe tag references an external resource, and no sandbox attribute is set.
Request headers
GET /p/404-1000-22746.php HTTP/1.1
Referer: https://www.tnnua.edu.tw/p/412-1000-2028.php
Cookie: PageLang=zh-tw; _counter=3060920
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/125.0.0.0 Safari/537.36
Host: www.tnnua.edu.tw
Connection: Keep-alive

 Content Security Policy (CSP) Not Implemented

Severity	Informational
Reported by module	/httpdata/CSP_not_implemented.js

Description

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.

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) (https://developer.mozilla.org/en-US/docs/Web/HTTP/CSP)
[Implementing Content Security Policy](https://hacks.mozilla.org/2016/02/implementing-content-security-policy/) (https://hacks.mozilla.org/2016/02/implementing-content-security-policy/)

Affected items

Web Server
Details
Paths without CSP header: - https://www.tnnua.edu.tw/ - https://www.tnnua.edu.tw/index.php - https://www.tnnua.edu.tw/p/17-1000.php - https://www.tnnua.edu.tw/admin/ - https://www.tnnua.edu.tw/p/412-1000-2026.php - https://www.tnnua.edu.tw/p/412-1000-2027.php - https://www.tnnua.edu.tw/p/ - https://www.tnnua.edu.tw/p/412-1000-2028.php - https://www.tnnua.edu.tw/p/412-1000-86.php - https://www.tnnua.edu.tw/p/412-1000-88.php - https://www.tnnua.edu.tw/p/412-1000-91.php - https://www.tnnua.edu.tw/p/412-1000-92.php - https://www.tnnua.edu.tw/p/412-1000-96.php - https://www.tnnua.edu.tw/app/ - https://www.tnnua.edu.tw/p/422-1000-1003.php - https://www.tnnua.edu.tw/p/422-1000-1004.php - https://www.tnnua.edu.tw/p/422-1000-1012.php - https://www.tnnua.edu.tw/p/422-1000-1013.php - https://www.tnnua.edu.tw/plugin/mobile/img/ - https://www.tnnua.edu.tw/p/422-1000-1014.php - https://www.tnnua.edu.tw/p/422-1000-1015.php
Request headers

```
GET / HTTP/1.1

Referer: https://www.tnnua.edu.tw/

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/125.0.0.0 Safari/537.36

Host: www.tnnua.edu.tw

Connection: Keep-alive
```

 Generic Email Address Disclosure

Severity	Informational
Reported by module	/target/404_text_search.js

Description

One or more email addresses have been found on this website. The majority of spam comes from email addresses harvested off the internet. The spam-bots (also known as email harvesters and email extractors) are programs that scour the internet looking for email addresses on any website they come across. Spambot programs look for strings like myname@mydomain.com and then record any addresses found.

Impact

Email addresses posted on Web sites may attract spam.

Recommendation

Check references for details on how to solve this problem.

References

[Anti-spam techniques](https://en.wikipedia.org/wiki/Anti-spam_techniques) (https://en.wikipedia.org/wiki/Anti-spam_techniques)

Affected items

Web Server
Details

Emails found:

- <https://www.tnnua.edu.tw/em1102@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/index.php/em1102@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-88.php/oia@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-88.php/em1302@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-88.php/em1212@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-88.php/em1104@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/app/em1102@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/mcollege@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/em1644@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/em1626@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/em2601@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/ethnomu@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/em1111@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/mpiacc@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/visualart@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/em2702@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/dr2003@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/em1812@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/em1433@tnnua.edu.tw>
- <https://www.tnnua.edu.tw/p/412-1000-3004.php/em1619@tnnua.edu.tw>
- https://www.tnnua.edu.tw/p/412-1000-3004.php/sound_image@tnnua.edu.tw

Request headers

```
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/125.0.0.0 Safari/537.36

Host: www.tnnua.edu.tw

Connection: Keep-alive
```

 HTTP Strict Transport Security (HSTS) Errors and Warnings

Severity	Informational
Reported by module	/httpdata/HSTS_not_implemented.js

Description

HTTP Strict Transport Security (HSTS) instructs a web browser to only connect to a web site using HTTPS. It was detected that your web application's HTTP Strict Transport Security (HSTS) implementation is not as strict as is typically advisable.

Impact

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

Recommendation

It is recommended to implement best practices of HTTP Strict Transport Security (HSTS) in your web application. Consult web references for more information.

References

- hstspreload.org (<https://hstspreload.org/>)
- [MDN: Strict-Transport-Security](https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Strict-Transport-Security) (<https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Strict-Transport-Security>)

Affected items

Web Server
Details

URLs where HSTS configuration is not according to best practices:

- <https://www.tnnua.edu.tw/> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/app/index.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/index.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/17-1000.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/admin/> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/app/showauthimg.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/412-1000-2026.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/412-1000-2027.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/412-1000-2028.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/412-1000-86.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/412-1000-88.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/412-1000-91.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/412-1000-92.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/412-1000-96.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/app/> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/422-1000-1003.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/422-1000-1004.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/422-1000-1012.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/p/422-1000-1013.php> - max-age is less that 1 year (31536000);
- <https://www.tnnua.edu.tw/plugin/mobile/img/> - max-age is less that 1 year (31536000);

Request headers

GET / HTTP/1.1

Referer: <https://www.tnnua.edu.tw/>

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/125.0.0.0 Safari/537.36

Host: www.tnnua.edu.tw

Connection: Keep-alive

Permissions-Policy header not implemented

Severity	Informational
Reported by module	/httpdata/permissions_policy.js

Description

The Permissions-Policy header allows developers to selectively enable and disable use of various browser features and APIs.

Impact

Recommendation

References

[Permissions-Policy / Feature-Policy \(MDN\)](https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Feature-Policy) (https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Feature-Policy)
[Permissions Policy \(W3C\)](https://www.w3.org/TR/permissions-policy-1/) (https://www.w3.org/TR/permissions-policy-1/)

Affected items

Web Server
Details
Locations without Permissions-Policy header: - https://www.tnnua.edu.tw/ - https://www.tnnua.edu.tw/app/index.php - https://www.tnnua.edu.tw/var/file/0/1000/pictures/152/m/ - https://www.tnnua.edu.tw/var/file/0/1000/plugin/mobile/pictures/ - https://www.tnnua.edu.tw/index.php - https://www.tnnua.edu.tw/images/ - https://www.tnnua.edu.tw/p/17-1000.php - https://www.tnnua.edu.tw/admin/ - https://www.tnnua.edu.tw/help/ - https://www.tnnua.edu.tw/lib/ - https://www.tnnua.edu.tw/var/file/0/1000/pictures/682/m/ - https://www.tnnua.edu.tw/mrtg/ - https://www.tnnua.edu.tw/app/showauthimg.php - https://www.tnnua.edu.tw/p/412-1000-2026.php - https://www.tnnua.edu.tw/p/412-1000-2027.php - https://www.tnnua.edu.tw/p/ - https://www.tnnua.edu.tw/var/ - https://www.tnnua.edu.tw/p/412-1000-2028.php - https://www.tnnua.edu.tw/p/412-1000-86.php - https://www.tnnua.edu.tw/plugin/mobile/style/bootstrap/fonts/ - https://www.tnnua.edu.tw/plugin/gallery/style/autoload/
Request headers
GET / HTTP/1.1 Referer: https://www.tnnua.edu.tw/ 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/125.0.0.0 Safari/537.36 Host: www.tnnua.edu.tw Connection: Keep-alive

Scanned items (coverage report)

<https://www.tnnua.edu.tw/>
<https://www.tnnua.edu.tw/admin/>
<https://www.tnnua.edu.tw/app/>
<https://www.tnnua.edu.tw/app/authimg.php>
<https://www.tnnua.edu.tw/app/index.php>
<https://www.tnnua.edu.tw/app/showauthimg.php>
<https://www.tnnua.edu.tw/app/verify.php>
<https://www.tnnua.edu.tw/help/>
<https://www.tnnua.edu.tw/images/>
<https://www.tnnua.edu.tw/index.php>
<https://www.tnnua.edu.tw/lib/>
<https://www.tnnua.edu.tw/mrtg/>
<https://www.tnnua.edu.tw/p/>
<https://www.tnnua.edu.tw/p/17-1000.php>
<https://www.tnnua.edu.tw/p/404-1000-22746.php>
<https://www.tnnua.edu.tw/p/404-1000-22762.php>
<https://www.tnnua.edu.tw/p/404-1000-22763.php>
<https://www.tnnua.edu.tw/p/404-1000-22764.php>
<https://www.tnnua.edu.tw/p/404-1000-22765.php>
<https://www.tnnua.edu.tw/p/404-1000-33018.php>
<https://www.tnnua.edu.tw/p/404-1000-33020.php>
<https://www.tnnua.edu.tw/p/404-1000-33021.php>
<https://www.tnnua.edu.tw/p/404-1000-33022.php>
<https://www.tnnua.edu.tw/p/404-1000-33023.php>
<https://www.tnnua.edu.tw/p/404-1000-33024.php>
<https://www.tnnua.edu.tw/p/404-1000-33025.php>
<https://www.tnnua.edu.tw/p/404-1000-33026.php>
<https://www.tnnua.edu.tw/p/404-1000-34128.php>
<https://www.tnnua.edu.tw/p/404-1000-34190.php>
<https://www.tnnua.edu.tw/p/404-1000-37234.php>
<https://www.tnnua.edu.tw/p/405-1000-22762,c2049.php>
<https://www.tnnua.edu.tw/p/405-1000-22763,c2049.php>
<https://www.tnnua.edu.tw/p/405-1000-22764,c2049.php>
<https://www.tnnua.edu.tw/p/405-1000-22765,c2049.php>
<https://www.tnnua.edu.tw/p/405-1000-37232,c3399.php>
<https://www.tnnua.edu.tw/p/405-1000-37233,c3399.php>
<https://www.tnnua.edu.tw/p/405-1000-37234,c3399.php>
<https://www.tnnua.edu.tw/p/412-1000-1045.php>
<https://www.tnnua.edu.tw/p/412-1000-1288.php>
<https://www.tnnua.edu.tw/p/412-1000-1319.php>
<https://www.tnnua.edu.tw/p/412-1000-1320.php>
<https://www.tnnua.edu.tw/p/412-1000-1321.php>
<https://www.tnnua.edu.tw/p/412-1000-1322.php>
<https://www.tnnua.edu.tw/p/412-1000-1327.php>
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<https://www.tnnua.edu.tw/p/412-1000-1334.php>
<https://www.tnnua.edu.tw/p/412-1000-1335.php>
<https://www.tnnua.edu.tw/p/412-1000-1336.php>
<https://www.tnnua.edu.tw/p/412-1000-1337.php>
<https://www.tnnua.edu.tw/p/412-1000-1338.php>
<https://www.tnnua.edu.tw/p/412-1000-1339.php>
<https://www.tnnua.edu.tw/p/412-1000-1340.php>
<https://www.tnnua.edu.tw/p/412-1000-1341.php>
<https://www.tnnua.edu.tw/p/412-1000-1342.php>
<https://www.tnnua.edu.tw/p/412-1000-1343.php>
<https://www.tnnua.edu.tw/p/412-1000-1344.php>

[illegible]

<https://www.tnnua.edu.tw/p/422-1000-1013.php>
<https://www.tnnua.edu.tw/p/422-1000-1014.php>
<https://www.tnnua.edu.tw/p/422-1000-1015.php>
<https://www.tnnua.edu.tw/p/422-1000-1016.php>
<https://www.tnnua.edu.tw/p/422-1000-1017.php>
<https://www.tnnua.edu.tw/p/422-1000-1018.php>
<https://www.tnnua.edu.tw/p/422-1000-1019.php>
<https://www.tnnua.edu.tw/p/422-1000-1020.php>
<https://www.tnnua.edu.tw/p/422-1000-1023.php>
<https://www.tnnua.edu.tw/p/424-1000-10-1.php>
<https://www.tnnua.edu.tw/p/424-1000-10-2.php>
<https://www.tnnua.edu.tw/plugin/>
<https://www.tnnua.edu.tw/plugin/gallery/>
<https://www.tnnua.edu.tw/plugin/gallery/style/>
<https://www.tnnua.edu.tw/plugin/gallery/style/autoload/>
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<https://www.tnnua.edu.tw/plugin/mobile/images/>
<https://www.tnnua.edu.tw/plugin/mobile/img/>
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<https://www.tnnua.edu.tw/var/>
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<https://www.tnnua.edu.tw/var/file/0/1000/img/1/AboutTNNUAPPT.ppsx>
<https://www.tnnua.edu.tw/var/file/0/1000/img/117/>
<https://www.tnnua.edu.tw/var/file/0/1000/img/436/>
<https://www.tnnua.edu.tw/var/file/0/1000/img/542/>
<https://www.tnnua.edu.tw/var/file/0/1000/img/543/>
<https://www.tnnua.edu.tw/var/file/0/1000/img/543/736010956.odt>
<https://www.tnnua.edu.tw/var/file/0/1000/img/544/>
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<https://www.tnnua.edu.tw/var/file/0/1000/img/687/>
<https://www.tnnua.edu.tw/var/file/0/1000/mobilestyle/>
<https://www.tnnua.edu.tw/var/file/0/1000/mobilestyle/47/>
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<https://www.tnnua.edu.tw/var/file/0/1000/mobilestyle/combine-en.css>
<https://www.tnnua.edu.tw/var/file/0/1000/mobilestyle/combine-zh-tw.css>
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<https://www.tnnua.edu.tw/var/file/0/1000/pictures/664/m/>
<https://www.tnnua.edu.tw/var/file/0/1000/pictures/682/>
<https://www.tnnua.edu.tw/var/file/0/1000/pictures/682/m/>

<https://www.tnnua.edu.tw/var/file/0/1000/pictures/75/>
<https://www.tnnua.edu.tw/var/file/0/1000/pictures/75/m/>
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<https://www.tnnua.edu.tw/var/file/0/1000/plugin/mobile/>
<https://www.tnnua.edu.tw/var/file/0/1000/plugin/mobile/pictures/>
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<https://www.tnnua.edu.tw/var/file/27/1027/>
<https://www.tnnua.edu.tw/var/file/27/1027/pictures/>
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<https://www.tnnua.edu.tw/var/file/27/1027/pictures/229/m/>
<https://www.tnnua.edu.tw/var/file/27/1027/pictures/567/>
<https://www.tnnua.edu.tw/var/file/27/1027/pictures/567/m/>
<https://www.tnnua.edu.tw/var/file/28/>
<https://www.tnnua.edu.tw/var/file/28/1028/>
<https://www.tnnua.edu.tw/var/file/28/1028/pictures/>
<https://www.tnnua.edu.tw/var/file/28/1028/pictures/349/>
<https://www.tnnua.edu.tw/var/file/28/1028/pictures/349/m/>
<https://www.tnnua.edu.tw/var/file/28/1028/pictures/472/>
<https://www.tnnua.edu.tw/var/file/28/1028/pictures/472/m/>
<https://www.tnnua.edu.tw/var/file/28/1028/pictures/613/>
<https://www.tnnua.edu.tw/var/file/28/1028/pictures/613/m/>
<https://www.tnnua.edu.tw/var/file/28/1028/pictures/674/>
<https://www.tnnua.edu.tw/var/file/28/1028/pictures/674/m/>
<https://www.tnnua.edu.tw/var/file/33/>
<https://www.tnnua.edu.tw/var/file/33/1033/>
<https://www.tnnua.edu.tw/var/file/33/1033/pictures/>
<https://www.tnnua.edu.tw/var/file/33/1033/pictures/873/>
<https://www.tnnua.edu.tw/var/file/33/1033/pictures/873/m/>
<https://www.tnnua.edu.tw/var/file/40/>
<https://www.tnnua.edu.tw/var/file/40/1040/>
<https://www.tnnua.edu.tw/var/file/40/1040/pictures/>
<https://www.tnnua.edu.tw/var/file/40/1040/pictures/618/>
<https://www.tnnua.edu.tw/var/file/40/1040/pictures/618/m/>
<https://www.tnnua.edu.tw/var/file/40/1040/pictures/889/>
<https://www.tnnua.edu.tw/var/file/40/1040/pictures/889/m/>
<https://www.tnnua.edu.tw/var/file/41/>
<https://www.tnnua.edu.tw/var/file/41/1041/>
<https://www.tnnua.edu.tw/var/file/41/1041/pictures/>
<https://www.tnnua.edu.tw/var/file/41/1041/pictures/323/>
<https://www.tnnua.edu.tw/var/file/41/1041/pictures/323/m/>
<https://www.tnnua.edu.tw/var/file/41/1041/pictures/959/>
<https://www.tnnua.edu.tw/var/file/41/1041/pictures/959/m/>
<https://www.tnnua.edu.tw/var/file/42/>
<https://www.tnnua.edu.tw/var/file/42/1042/>
<https://www.tnnua.edu.tw/var/file/42/1042/pictures/>

<https://www.tnnua.edu.tw/var/file/42/1042/pictures/355/>
<https://www.tnnua.edu.tw/var/file/42/1042/pictures/355/m/>
<https://www.tnnua.edu.tw/var/file/42/1042/pictures/373/>
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