

Developer Report

Acunetix Security Audit

2025-08-11

Scan of ap.tnnua.edu.tw

Scan details

Scan information	
Start time	2025-08-11T09:00:00.405313+08:00
Start url	https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx
Host	ap.tnnua.edu.tw
Scan time	22 minutes, 21 seconds
Profile	Full Scan
Responsive	True
Server OS	Windows
Server technologies	ASP.NET
Application build	25.4.250417124

Threat level

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.

Alerts distribution

Total alerts found	9
 Critical	0
 High	1
 Medium	2
 Low	3
 Informational	3

Alerts summary

 Insecure Transportation Security Protocol Supported (TLS 1.0)

Classification		
CVSS4	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:L/VI:L/VA:N/SC:L/SI:L/SA:N Base Score: 6.3 Attack Vector: Network Attack Complexity: High Privileges Required: None User Interaction: None Confidentiality Impact to the Vulnerable System: Low Integrity Impact to the Vulnerable System: Low Availability Impact to the Vulnerable System: None Confidentiality Impact to the Subsequent System: Low Integrity Impact to the Subsequent System: Low Availability Impact to the Subsequent System: None	
CVSS3	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:C/C:L/I:L/A:N Base Score: 5.4 Attack Vector: Network Attack Complexity: High Privileges Required: None User Interaction: None Scope: Changed Confidentiality Impact: Low Integrity Impact: Low Availability Impact: None	
CVSS2	Base Score: 5.8 Access Vector: Network_accessible Access Complexity: Medium Authentication: None Confidentiality Impact: Partial Integrity Impact: Partial 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-326	
Affected items		Variation
Web Server		1

 HTTP Strict Transport Security (HSTS) Policy Not Enabled

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

 TLS/SSL Weak Cipher Suites

Classification

CVSS4	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:L/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: Low 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:L/I:L/A:N Base Score: 6.5 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: None Scope: Unchanged Confidentiality Impact: Low Integrity Impact: Low Availability Impact: None	
CVSS2	Base Score: 3.3 Access Vector: Local_access Access Complexity: Medium Authentication: None Confidentiality Impact: Partial Integrity Impact: Partial 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-310	
Affected items		Variation
Web Server		1

▼ **ASP.NET debugging enabled**

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-11	
Affected items		Variation
Web Server		1

Cookies Not Marked as Secure

Classification

CVSS4	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:A/VC:L/VI:N/VA:N/SC:N/SI:N/SA:N Base Score: 2.1 Attack Vector: Network Attack Complexity: High Privileges Required: None User Interaction: Active 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:H/PR:N/UI:R/S:U/C:L/I:N/A:N Base Score: 3.1 Attack Vector: Network Attack Complexity: High Privileges Required: None User Interaction: Required Scope: Unchanged Confidentiality Impact: Low Integrity Impact: None Availability Impact: None
CVSS2	Base Score: 2.6 Access Vector: Network_accessible Access Complexity: High 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-614
Affected items	Variation
Web Server	1

⌵ ViewsState is not Encrypted

Classification

CVSS4	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:L/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: Low 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:L/I:L/A:N Base Score: 6.5 Attack Vector: Network Attack Complexity: Low Privileges Required: None User Interaction: None Scope: Unchanged Confidentiality Impact: Low Integrity Impact: Low Availability Impact: None	
CVSS2	Base Score: 6.4 Access Vector: Network_accessible Access Complexity: Low Authentication: None Confidentiality Impact: Partial Integrity Impact: Partial 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

 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

 Insecure Transportation Security Protocol Supported (TLS 1.1)

Classification

CVSS4	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:L/VI:L/VA:N/SC:L/SI:N/SA:N Base Score: 6.3 Attack Vector: Network Attack Complexity: High Privileges Required: None User Interaction: None Confidentiality Impact to the Vulnerable System: Low Integrity Impact to the Vulnerable System: Low Availability Impact to the Vulnerable System: None Confidentiality Impact to the Subsequent System: Low Integrity Impact to the Subsequent System: None Availability Impact to the Subsequent System: None
CVSS3	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:C/C:L/I:L/A:N Base Score: 5.4 Attack Vector: Network Attack Complexity: High Privileges Required: None User Interaction: None Scope: Changed Confidentiality Impact: Low Integrity Impact: Low Availability Impact: None
CVSS2	Base Score: 5.8 Access Vector: Network_accessible Access Complexity: Medium Authentication: None Confidentiality Impact: Partial Integrity Impact: Partial 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-326
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

 Insecure Transportation Security Protocol Supported (TLS 1.0)

Severity	High
Reported by module	/Scripts/PerServer/SSL_Audit.script

Description

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.

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

Affected items

Web Server
Details
The SSL server (port: 443) encrypts traffic using TLSv1.0.
Request headers

 HTTP Strict Transport Security (HSTS) Policy Not Enabled

Severity	Medium
Reported by module	/httpdata/HSTS_not_implemented.js

Description

HTTP Strict Transport Security (HSTS) tells a browser that a web site is only accessible 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

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

Affected items

Web Server
Details
URLs where HSTS is not enabled: - https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx - https://ap.tnnua.edu.tw/Academic_Dept/ - https://ap.tnnua.edu.tw/academic_dept/ErrorWorkPage.aspx
Request headers
GET /Academic_Dept/Login.aspx HTTP/1.1
Referer: https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx
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/135.0.0.0 Safari/537.36
Host: ap.tnnua.edu.tw
Connection: Keep-alive

 TLS/SSL Weak Cipher Suites

Severity	Medium
Reported by module	/Scripts/PerServer/SSL_Audit.script

Description

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

Impact

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)
(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)
(https://cheatsheetseries.owasp.org/cheatsheets/Transport_Layer_Protection_Cheat_Sheet.html)
[Mozilla: TLS Cipher Suite Recommendations](https://wiki.mozilla.org/Security/Server_Side_TLS) (https://wiki.mozilla.org/Security/Server_Side_TLS)
[SSLabs: SSL and TLS Deployment Best Practices](https://github.com/ssllabs/research/wiki/SSL-and-TLS-Deployment-Best-Practices) (<https://github.com/ssllabs/research/wiki/SSL-and-TLS-Deployment-Best-Practices>)
[RFC 9155: Deprecating MD5 and SHA-1 Signature Hashes in TLS 1.2 and DTLS 1.2](https://datatracker.ietf.org/doc/html/rfc9155)
(<https://datatracker.ietf.org/doc/html/rfc9155>)

Affected items

Web Server
Details
Weak TLS/SSL Cipher Suites: (offered via TLS1.0 on port 443): - TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA - TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA - TLS_RSA_WITH_AES_128_CBC_SHA - TLS_RSA_WITH_AES_256_CBC_SHA
Weak TLS/SSL Cipher Suites: (offered via TLS1.1 on port 443): - TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA - TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA - TLS_RSA_WITH_AES_128_CBC_SHA - TLS_RSA_WITH_AES_256_CBC_SHA
Weak TLS/SSL Cipher Suites: (offered via TLS1.2 on port 443): - TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA - TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA - TLS_RSA_WITH_AES_128_GCM_SHA256 - TLS_RSA_WITH_AES_256_GCM_SHA384 - TLS_RSA_WITH_AES_128_CBC_SHA256 - TLS_RSA_WITH_AES_256_CBC_SHA256 - TLS_RSA_WITH_AES_128_CBC_SHA
Request headers

ASP.NET debugging enabled

Severity	Low
Reported by module	/Scripts/PerFolder/ASP-NET_Debugging_Enabled.script

Description

ASP.NET debugging is enabled on this application. It is recommended to disable debug mode before deploying a production application. By default, debugging is disabled, and although debugging is frequently enabled to troubleshoot a problem, it is also frequently not disabled again after the problem is resolved.

Impact

It may be possible that sensitive information about the web sever is disclosed through the ASP.NET application.

Recommendation

Check References for details on how to fix this problem.

References

[HOW TO: Disable Debugging for ASP.NET Applications](https://support.microsoft.com/en-us/How-TO: Disable Debugging for ASP.NET Applications) (https://support.microsoft.com/en-us/

Affected items

Web Server
Details
Pages where ASP.NET debugging is enabled: - https://ap.tnnua.edu.tw/Academic_Dept/ - https://ap.tnnua.edu.tw/Academic_Dept/Script/ - https://ap.tnnua.edu.tw/Academic_Dept/Style/ - https://ap.tnnua.edu.tw/Academic_Dept/image/ - https://ap.tnnua.edu.tw/Academic_Dept/report/ - https://ap.tnnua.edu.tw/Academic_Dept/TEMP/ - https://ap.tnnua.edu.tw/Academic_Dept/scripts/ - https://ap.tnnua.edu.tw/Academic_Dept/upload/
Request headers
DEBUG /Academic_Dept/testing_invalid_filename.aspx HTTP/1.1
Command: stop-debug
Cookie: ASP.NET_SessionId=cl54eflucpblov3yyvivzgwu
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/135.0.0.0 Safari/537.36
Host: ap.tnnua.edu.tw
Connection: Keep-alive

Cookies Not Marked as Secure

Severity	Low
Reported by module	/RPA/Cookie_Without_Secure.js

Description

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.

Recommendation

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

References

[SameSite None Cookie Not Marked as Secure - Invicti](https://www.invicti.com/web-vulnerability-scanner/vulnerabilities/samesite-none-cookie-not-marked-as-secure/) (https://www.invicti.com/web-vulnerability-scanner/vulnerabilities/samesite-none-cookie-not-marked-as-secure/)

Affected items

Web Server
Verified vulnerability
Details
Cookies without Secure flag set: https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx Set-Cookie: ASP.NET_SessionId=mq4kpi2oa2pw5iq5msjehn1y; path=/; HttpOnly; SameSite=Lax
Request headers
GET /Academic_Dept/Login.aspx HTTP/1.1
Referer: https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx
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/135.0.0.0 Safari/537.36
Host: ap.tnnua.edu.tw
Connection: Keep-alive

ViewsState is not Encrypted

Severity	Low
Reported by module	/RPA/Unencrypted_VIEWSTATE.js

Description

The __VIEWSTATE parameter is not encrypted for one or more pages. To reduce the chance of someone intercepting the information stored in the ViewState, it is good design to encrypt the ViewState.

Impact

Possible sensitive information disclosure.

Recommendation

Turn on the encryption mode for the view state. Consult web references for more information, taking into consideration ASP.NET version

References

[Page.ViewStateEncryptionMode Property](https://docs.microsoft.com/en-us/dotnet/api/system.web.ui.page.viewstateencryptionmode?redirectedfrom=MSDN&view=netframework-4.7.2) (https://docs.microsoft.com/en-us/dotnet/api/system.web.ui.page.viewstateencryptionmode?redirectedfrom=MSDN&view=netframework-4.7.2)
[Cryptographic Improvements in ASP.NET 4.5, pt. 2](https://devblogs.microsoft.com/aspnet/cryptographic-improvements-in-asp-net-4-5-pt-2/) (https://devblogs.microsoft.com/aspnet/cryptographic-improvements-in-asp-net-4-5-pt-2/)
[Working with ViewState](http://appetere.com/post/working-with-viewstate) (http://appetere.com/post/working-with-viewstate)

Affected items

Web Server
Details
Pages with unencrypted __VIEWSTATE parameter:
- https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx Strings extracted(truncated): 1445008776 Visiblehddd - https://ap.tnnua.edu.tw/Academic_Dept/ Strings extracted(truncated): 1445008776 Visiblehddd - https://ap.tnnua.edu.tw/Academic_Dept/ Strings extracted(truncated): 1445008776 Visiblehdd !dddM{ - https://ap.tnnua.edu.tw/academic_dept/ErrorWorkPage.aspx Strings extracted(truncated): -134377919dd
Request headers

GET /Academic_Dept/Login.aspx HTTP/1.1

Referer: https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx

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/135.0.0.0 Safari/537.36

Host: ap.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

Affected items

Web Server
Details
Paths without CSP header: - https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx - https://ap.tnnua.edu.tw/Academic_Dept/ - https://ap.tnnua.edu.tw/academic_dept/ErrorWorkPage.aspx
Request headers
GET /Academic_Dept/Login.aspx HTTP/1.1
Referer: https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx
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/135.0.0.0 Safari/537.36
Host: ap.tnnua.edu.tw
Connection: Keep-alive

 Insecure Transportation Security Protocol Supported (TLS 1.1)

Severity	Informational
Reported by module	/Scripts/PerServer/SSL_Audit.script

Description

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.

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

Affected items

Web Server
Details
The SSL server (port: 443) encrypts traffic using TLSv1.1.
Request headers

 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://ap.tnnua.edu.tw/Academic_Dept/Login.aspx - https://ap.tnnua.edu.tw/Academic_Dept/ - https://ap.tnnua.edu.tw/Academic_Dept/image/ - https://ap.tnnua.edu.tw/Academic_Dept/Script/ - https://ap.tnnua.edu.tw/Academic_Dept/Style/ - https://ap.tnnua.edu.tw/academic_dept/ErrorWorkPage.aspx - https://ap.tnnua.edu.tw/Academic_Dept/TEMP/ - https://ap.tnnua.edu.tw/Academic_Dept/report/ - https://ap.tnnua.edu.tw/Academic_Dept/scripts/ - https://ap.tnnua.edu.tw/Academic_Dept/upload/
Request headers

GET /Academic_Dept/Login.aspx HTTP/1.1

Referer: https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx

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/135.0.0.0 Safari/537.36

Host: ap.tnnua.edu.tw

Connection: Keep-alive

Scanned items (coverage report)

<https://ap.tnnua.edu.tw/>

https://ap.tnnua.edu.tw/Academic_Dept/

https://ap.tnnua.edu.tw/academic_dept/ErrorWorkPage.aspx

https://ap.tnnua.edu.tw/Academic_Dept/image/

https://ap.tnnua.edu.tw/Academic_Dept/Login.aspx

https://ap.tnnua.edu.tw/Academic_Dept/report/

https://ap.tnnua.edu.tw/Academic_Dept/Script/

https://ap.tnnua.edu.tw/Academic_Dept/Script/Default.js

https://ap.tnnua.edu.tw/Academic_Dept/scripts/

https://ap.tnnua.edu.tw/Academic_Dept/Style/

https://ap.tnnua.edu.tw/Academic_Dept/Style/Default.css

https://ap.tnnua.edu.tw/Academic_Dept/TEMP/

https://ap.tnnua.edu.tw/Academic_Dept/upload/