DPI SSO Portal - Security Test Report

invicti

10/20/2023 3:29:49 PM (UTC+05:30) Executive Summary Report

Attps://dpisso.tserver.co.in/

Scan Time Scan Duration Total Requests Average Speed : 10/19/2023 12:59:00 PM (UTC+05:30) : 00:13:35:37 : 134,283 : 2.7r/s

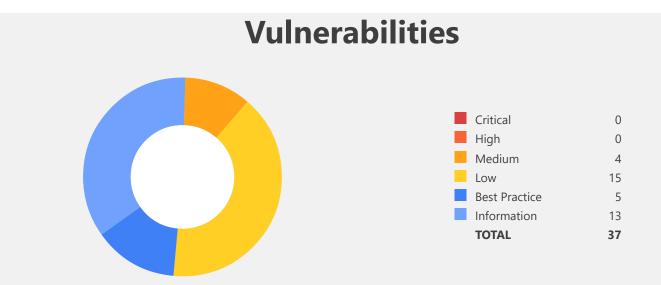
Risk Level:

Your website is fairly insecure!

There are some problems on the application that need to be addressed but nothing that requires you to panic. Address the identified issues in timely manner.

What's the Worst that could Happen?

An attacker could access user information sent over the internet or public Wi-Fi or a similar environment This might include passwords, usernames, and the content of web pages viewed.



Vulnerability	Suggested Action		
 HTTP Strict Transport Security (HSTS) Errors and Warnings 	Fix soon: You should fix them soon. Once you've done this, you may want to rescan to check they're gone.		
• Out-of-date Version (jQuery)	Fix soon: You should fix them soon. Once you've done this, you may want to rescan to check they're gone.		
 Session Cookie Not Marked as Secure 	Fix soon: You should fix them soon. Once you've done this, you may want to rescan to check they're gone.		
 Weak Ciphers Enabled 	Fix soon: You should fix them soon. Once you've done this, you may want to rescan to check they're gone.		
 [Possible] Cross-site Request Forgery 	Consider fixing after confirmed: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		
[Possible] Cross-siteRequest Forgery inLogin Form	Consider fixing after confirmed: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		
 [Possible] Internal IP Address Disclosure 	Consider fixing after confirmed: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		
 Insecure Transportation Security Protocol Supported (TLS 1.0) 	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		
✓ Internal Server Error	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		
 Missing X-Frame- Options Header 	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		
 Programming Error Message 	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		
Stack Trace Disclosure (ASP.NET)	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		
 Version Disclosure (ASP.NET) 	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		
 Version Disclosure (Bootstrapjs) 	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		
 Version Disclosure (BootstrapTable) 	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.		

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Vu	Inerability	Suggested Action	
~	Version Disclosure (IIS)	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.	
~	Version Disclosure (Jquery)	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.	
~	Version Disclosure (Lodash)	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.	
~	Version Disclosure (Popper.js)	Consider fixing: These vulnerabilities aren't very bad but they might help an attacker. You should think about fixing them.	
۲	Content Security Policy (CSP) Not Implemented	No action required: Implementing these features that are supported by all major browsers is a good practice and will provide an extra layer of security to your application.	
۲	Insecure Transportation Security Protocol Supported (TLS 1.1)	No action required: Implementing these features that are supported by all major browsers is a good practice and will provide an extra layer of security to your application.	
۲	Missing X-XSS- Protection Header	No action required: Implementing these features that are supported by all major browsers is a good practice and will provide an extra layer of security to your application.	
•	Referrer-Policy Not Implemented	No action required: Implementing these features that are supported by all major browsers is a good practice and will provide an extra layer of security to your application.	
•	Subresource Integrity (SRI) Not Implemented	No action required: Implementing these features that are supported by all major browsers is a good practice and will provide an extra layer of security to your application.	
i	ASP.NET Identified	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.	
i	Autocomplete Enabled (Password Field)	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.	
i	Bootstrapjs Identified	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.	
i	BootstrapTable Identified	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.	
i	Cdnjs Identified	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.	
i	Email Address Disclosure	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.	

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Vulnerability		Suggested Action
i	Forbidden Resource	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.
i	IIS Identified	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.
i	jQuery Identified	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.
i	Lodash Identified	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.
i	OPTIONS Method Enabled	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.
i	Out-of-date Version (Bootstrap)	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.
i	Popper.js Identified	No action required: These items are just for your information. You don't need to take any action on them but they might be useful to know.

Impacts

Severity	Impact
🔗 High	An attacker could access user information sent over the internet or public Wi-Fi or a similar environment This might include passwords, usernames, and the content of web pages viewed.
🙈 High	The software that powers your website is out of date - your version is known to contain vulnerabilities
∽ Medium	Depending on the website's feature an attacker can access users' data or worse This may enable them take control of website, see confidential data but it all depends on the website and what's supported. Therefore these issues need to be investigated further manually to understand the real impact.
✓ Low	An attacker could view information about your system that helps them find or exploit vulnerabilities This may enable them to take control of your website and access sensitive user and admin information. These issues mostly indicates the lack of the security best practice implementation.
✓ Low	An attacker could access information that helps them to exploit other vulnerabilities This information gives them a better understanding of your system.
⊌ Low	People using a web browser after one of your users could see sensitive information that has been entered into your site For example, username, password, credit card details. This is possible because browser autocomplete is not disabled.

Compliance Summary

Compliance	Vulnerabilities
PCI DSS v3.2	10
OWASP 2013	23
OWASP 2017	31
OWASP API Top Ten 2019	20
OWASP Top Ten 2021	29
WASC	31
HIPAA	16
ISO27001	37
ASVS 4.0	34
NIST SP 800-53	36
DISA STIG	36
ISO27001 2022	35

PCI compliance data is generated based on the classifications and it has no validity. PCI DSS scans must be performed by an approved scanning vendor.

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SFA Technologies