ZAP ScanAtivo

Site: http://172.16.39.77:8080

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ZAP Version: 2.16.1

ZAP by **Checkmarx**

Summary of Alerts

Risk Level	Number of Alerts
High	0
Medium	2
Low	2
Informational	0

Alerts

Name	Risk Level	Number of Instances
Content Security Policy (CSP) Header Not Set	Medium	3
Missing Anti-clickjacking Header	Medium	1
Server Leaks Version Information via "Server" HTTP Response Header Field	Low	3
X-Content-Type-Options Header Missing	Low	1

Alert Detail

Medium	Content Security Policy (CSP) Header Not Set
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. These attacks are used for everything from data theft to site defacement or distribution of malware. CSP provides a set of standard HTTP headers that allow website owners to declare approved sources of content that browsers should be allowed to load on that page — covered types are JavaScript, CSS, HTML frames, fonts, images and embeddable objects such as Java applets, ActiveX, audio and video files.
URL	http://172.16.39.77:8080
Method	GET
Attack	
Evidence	
Other Info	
URL	http://172.16.39.77:8080/robots.txt
Method	GET

Attack		
Evidence		
Other Info		
URL	http://172.16.39.77:8080/sitemap.xml	
Method	GET	
Attack		
Evidence		
Other Info		
Instances	3	
Solution	Ensure that your web server, application server, load balancer, etc. is configured to set the Content-Security-Policy header.	
Reference	https://developer.mozilla.org/en-US/docs/Web/Security/CSP/Introducing_Content_Security_Policy https://cheatsheetseries.owasp.org/cheatsheets/Content_Security_Policy_Cheat_Sheet.html https://www.w3.org/TR/CSP/ https://w3c.github.io/webappsec-csp/ https://web.dev/articles/csp https://caniuse.com/#feat=contentsecuritypolicy https://content-security-policy.com/	
CWE Id	693	
WASC Id	15	
Plugin Id	10038	

Medium	Missing Anti-clickjacking Header
Description	The response does not protect against 'ClickJacking' attacks. It should include either Content-Security-Policy with 'frame-ancestors' directive or X-Frame-Options.
URL	http://172.16.39.77:8080
Method	GET
Attack	
Evidence	
Other Info	
Instances	1
Solution	Modern Web browsers support the Content-Security-Policy and X-Frame-Options HTTP headers. Ensure one of them is set on all web pages returned by your site/app. If you expect the page to be framed only by pages on your server (e.g. it's part of a FRAMESET) then you'll want to use SAMEORIGIN, otherwise if you never expect the page to be framed, you should use DENY. Alternatively consider implementing Content Security Policy's "frame-ancestors" directive.
Reference	https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/X-Frame-Options
CWE Id	1021
WASC Id	15
Plugin Id	10020

Low	Server Leaks Version Information via "Server" HTTP Response Header Field

Description	The web/application server is leaking version information via the "Server" HTTP response header. Access to such information may facilitate attackers identifying other vulnerabilities your web/application server is subject to.
URL	http://172.16.39.77:8080
Method	GET
Attack	
Evidence	Apache/2.4.49 (Unix) OpenSSL/1.1.1w PHP/7.3.31
Other Info	
URL	http://172.16.39.77:8080/robots.txt
Method	GET
Attack	
Evidence	Apache/2.4.49 (Unix) OpenSSL/1.1.1w PHP/7.3.31
Other Info	
URL	http://172.16.39.77:8080/sitemap.xml
Method	GET
Attack	
Evidence	Apache/2.4.49 (Unix) OpenSSL/1.1.1w PHP/7.3.31
Other Info	
Instances	3
Solution	Ensure that your web server, application server, load balancer, etc. is configured to suppress the "Server" header or provide generic details.
Reference	https://httpd.apache.org/docs/current/mod/core.html#servertokens https://learn.microsoft.com/en-us/previous-versions/msp-n-p/ff648552(v=pandp.10) https://www.troyhunt.com/shhh-dont-let-your-response-headers/
CWE Id	497
WASC Id	13
Plugin Id	10036

Low	X-Content-Type-Options Header Missing
Description	The Anti-MIME-Sniffing header X-Content-Type-Options was not set to 'nosniff'. This allows older versions of Internet Explorer and Chrome to perform MIME-sniffing on the response body, potentially causing the response body to be interpreted and displayed as a content type other than the declared content type. Current (early 2014) and legacy versions of Firefox will use the declared content type (if one is set), rather than performing MIME-sniffing.
URL	http://172.16.39.77:8080
Method	GET
Attack	
Evidence	
Other Info	This issue still applies to error type pages (401, 403, 500, etc.) as those pages are often still affected by injection issues, in which case there is still concern for browsers sniffing pages away from their actual content type. At "High" threshold this scan rule will not alert on client or server error responses.
Instances	1
	Ensure that the application/web server sets the Content-Type header appropriately, and that it sets the X-Content-Type-Options header to 'nosniff' for all web pages.

Solution	If possible, ensure that the end user uses a standards-compliant and modern web browser that does not perform MIME-sniffing at all, or that can be directed by the web application /web server to not perform MIME-sniffing.
Reference	https://learn.microsoft.com/en-us/previous-versions/windows/internet-explorer/ie-developer/compatibility/gg622941(v=vs.85) https://owasp.org/www-community/Security_Headers
CWE Id	693
WASC Id	15
Plugin Id	10021

https://learn.microsoft.com/en-us/previous-versions/windows/internet-explorer/ie-developer/compatibility/gg622941(v=vs.85)
https://owasp.org/www-community/Security_Headers