

Nmap Scan Result

a. Summary - No. of Vulnerable Ports Open

7

b. Detailed Report

21 tcp ftp Ensure secure FTP configurations. Consider using SFTP or FTPS instead. 25 tcp smtp Implement proper email filtering and authentication mechanisms. 80 tcp http Apply security headers, keep software updated, and implement secure coding practices. 110 tcp pop3 Consider using POP3 over SSL/TLS (POP3S) for secure email retrieval. 443 tcp https Apply security best practices for HTTPS services. 587 tcp submission Secure email submission by using submission over SSL/TLS. 993 tcp imaps Implement IMAPS (IMAP over SSL/TLS) for secure email access.

ZAP Scan Result

. Summary

i. No. of Total Vulnerabilities Identified: 82

ii. No. of Total Vulnerabilities Identified grouped on Risk Rating: {'Medium': 10, 'Informational': 51, 'Low': 21}

b. Detailed Report

Missing Anti-clickjacking Header Medium Medium The response does not include either Content-Security-Policy with 'frame-ancestors' directive or X-Frame-Options to protect against 'ClickJacking' attacks. https://srcw.ac.in/robots.txt GET x-frame-options No attack specified No evidence available Missing Anti-clickjacking Header Medium Medium The response does not include either Content-Security-Policy with 'frame-ancestors' directive or X-Frame-Options to protect against 'ClickJacking' attacks. https://srcw.ac.in/sitemap.xml GET x-frame-options No attack specified No evidence available Missing Anti-clickjacking Header Medium Medium The response does not include either Content-Security-Policy with 'frame-ancestors' directive or X-Frame-Options to protect against 'ClickJacking' attacks. https://srcw.ac.in/ GET x-frame-options No attack specified No evidence available Re-examine Cache-control Directives Informational Low The cache-control header has not been set properly or is missing, allowing the browser and proxies to cache content. For static assets like css, js, or image files this might be intended, however, the resources should be reviewed to ensure that no sensitive content will be cached. https://srcw.ac.in/ GET cache-control No attack specified no-store,no-cache,max-age=0 Re-examine Cache-control Directives Informational Low The cache-control header has not been set properly or is missing, allowing the browser and proxies to cache content. For static assets like css, js, or image files this might be intended, however, the resources should be reviewed to ensure that no sensitive content will be cached. https://srcw.ac.in/robots.txt GET cache-control No attack specified no-store,no-cache,max-age=0 Re-examine Cache-control Directives Informational Low The cache-control header has not been set properly or is missing, allowing the browser and proxies to cache content. 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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. https://srcw.ac.in/robots.txt GET No parameter specified No attack specified No evidence available Content Security Policy (CSP) Header Not Set Medium High 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. 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If a malicious script can be run on this page then the cookie will be accessible and can be transmitted to another site. If this is a session cookie then session hijacking may be possible. https://srcw.ac.in/robots.txt GET nevercache-b39818 No attack specified Set-Cookie: nevercache-b39818 Cookie No HttpOnly Flag Low Medium A cookie has been set without the HttpOnly flag, which means that the cookie can be accessed by JavaScript. If a malicious script can be run on this page then the cookie will be accessible and can be transmitted to another site. If this is a session cookie then session hijacking may be possible. https://srcw.ac.in/sitemap.xml GET nevercache-b39818 No attack specified Set-Cookie: nevercache-b39818 Cookie without SameSite Attribute Low Medium A cookie has been set without the SameSite attribute, which means that the cookie can be sent as a result of a 'cross-site' request. The SameSite attribute is an effective counter measure to cross-site request forgery, cross-site script inclusion, and timing attacks. https://srcw.ac.in/sitemap.xml GET nevercache-b39818 No attack specified Set-Cookie: nevercache-b39818 Cookie without SameSite Attribute Low Medium A cookie has been set without the SameSite attribute, which means that the cookie can be sent as a result of a 'cross-site' request. The SameSite attribute is an effective counter measure to cross-site request forgery, cross-site script inclusion, and timing attacks. https://srcw.ac.in/robots.txt GET nevercache-b39818 No attack specified Set-Cookie: nevercache-b39818 Cookie without SameSite Attribute Low Medium A cookie has been set without the SameSite attribute, which means that the cookie can be sent as a result of a 'cross-site' request. The SameSite

attribute is an effective counter measure to cross-site request forgery, cross-site script inclusion, and timing attacks. <https://srcw.ac.in/> GET nevercache-b39818 No attack specified Set-Cookie: nevercache-b39818 Cookie Without Secure Flag Low Medium A cookie has been set without the secure flag, which means that the cookie can be accessed via unencrypted connections. <https://srcw.ac.in/robots.txt> GET nevercache-b39818 No attack specified Set-Cookie: nevercache-b39818 Cookie Without Secure Flag Low Medium A cookie has been set without the secure flag, which means that the cookie can be accessed via unencrypted connections. <https://srcw.ac.in/sitemap.xml> GET nevercache-b39818 No attack specified Set-Cookie: nevercache-b39818 Cookie Without Secure Flag Low Medium A cookie has been set without the secure flag, which means that the cookie can be accessed via unencrypted connections. <https://srcw.ac.in/> GET nevercache-b39818 No attack specified Set-Cookie: nevercache-b39818 Strict-Transport-Security Header Not Set Low High HTTP Strict Transport Security (HSTS) is a web security policy mechanism whereby a web server declares that complying user agents (such as a web browser) are to interact with it using only secure HTTPS connections (i.e. HTTP layered over TLS/SSL). HSTS is an IETF standards track protocol and is specified in RFC 6797. <https://srcw.ac.in/sitemap.xml> GET No parameter specified No attack specified No evidence available Strict-Transport-Security Header Not Set Low High HTTP Strict Transport Security (HSTS) is a web security policy mechanism whereby a web server declares that complying user agents (such as a web browser) are to interact with it using only secure HTTPS connections (i.e. HTTP layered over TLS/SSL). HSTS is an IETF standards track protocol and is specified in RFC 6797. <https://srcw.ac.in/robots.txt> GET No parameter specified No attack specified No evidence available Strict-Transport-Security Header Not Set Low High HTTP Strict Transport Security (HSTS) is a web security policy mechanism whereby a web server declares that complying user agents (such as a web browser) are to interact with it using only secure HTTPS connections (i.e. HTTP layered over TLS/SSL). HSTS is an IETF standards track protocol and is specified in RFC 6797. <https://srcw.ac.in/> GET No parameter specified No attack specified No evidence available Timestamp Disclosure - Unix Low Low A timestamp was disclosed by the application/web server - Unix <https://srcw.ac.in/sitemap.xml> GET No parameter specified No attack specified 1710683724 Timestamp Disclosure - Unix Low Low A timestamp was disclosed by the application/web server - Unix <https://srcw.ac.in/robots.txt> GET No parameter specified No attack specified 1710683724 Timestamp Disclosure - Unix Low Low A timestamp was disclosed by the application/web server - Unix <https://srcw.ac.in/> GET No parameter specified No attack specified 1710683724 X-Content-Type-Options Header Missing Low Medium 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. <https://srcw.ac.in/robots.txt> GET x-content-type-options No attack specified No evidence available X-Content-Type-Options Header Missing Low Medium 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. <https://srcw.ac.in/sitemap.xml> GET x-content-type-options No attack specified No evidence available Hidden File Found Medium Low A sensitive file was identified as accessible or available. This may leak administrative, configuration, or credential information which can be leveraged by a malicious individual to further attack the system or conduct social engineering efforts. <https://srcw.ac.in/.hg> GET No parameter specified No attack specified HTTP/1.1 202 Accepted Hidden File Found Medium Low A sensitive file was identified as accessible or available. This may leak administrative, configuration, or credential information which can be leveraged by a malicious individual to further attack the system or conduct social engineering efforts. <https://srcw.ac.in/.bzz> GET No parameter specified No attack specified HTTP/1.1 202 Accepted Hidden File Found Medium Low A sensitive file was identified as accessible or available. This may leak administrative, configuration, or credential information which can be leveraged by a malicious individual to further attack the system or conduct social engineering efforts. https://srcw.ac.in/_darcs GET No parameter specified No attack specified HTTP/1.1 202 Accepted Hidden File Found Medium Low A sensitive file was identified as accessible or available. This may leak administrative, configuration, or credential information which can be leveraged by a malicious individual to further attack the system or conduct social engineering efforts. <https://srcw.ac.in/BitKeeper> GET No parameter specified No attack specified HTTP/1.1 202 Accepted User Agent Fuzzer Informational Medium Check for differences in response based on fuzzed User Agent (eg. mobile sites, access as a Search Engine Crawler). Compares the response statuscode and the hashcode of the response body with the original response. <https://srcw.ac.in> GET Header User-Agent Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.1) No evidence available User Agent Fuzzer Informational Medium Check for differences in response based on fuzzed User Agent (eg. mobile sites, access as a Search Engine Crawler). 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Compares the response statuscode and the hashcode of the response body with the original response. <https://srcw.ac.in/robots.txt> GET Header User-Agent Mozilla/5.0 (iPhone; CPU iPhone OS 8_0_2 like Mac OS X) AppleWebKit/600.1.4 (KHTML, like Gecko) Version/8.0 Mobile/12A366 Safari/600.1.4 No evidence available User Agent Fuzzer Informational Medium Check for differences in response based on fuzzed User Agent (eg. mobile sites, access as a Search Engine Crawler). Compares the response statuscode and the hashcode of the response body with the original response. <https://srcw.ac.in/sitemap.xml> GET Header User-Agent Mozilla/5.0 (iPhone; CPU iPhone OS 8_0_2 like Mac OS X) AppleWebKit/600.1.4 (KHTML, like Gecko) Version/8.0 Mobile/12A366 Safari/600.1.4 No evidence available User Agent Fuzzer Informational Medium Check for differences in response based on fuzzed User Agent (eg. mobile sites, access as a Search Engine Crawler). 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Compares the response statuscode and the hashcode of the response body with the original response. <https://srcw.ac.in> GET Header User-Agent Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:93.0) Gecko/20100101 Firefox/91.0 No evidence available User Agent Fuzzer Informational Medium Check for differences in response based on fuzzed User Agent (eg. mobile sites, access as a Search Engine Crawler). Compares the response statuscode and the hashcode of the response body with the original response. <https://srcw.ac.in/sitemap.xml> GET Header User-Agent Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:93.0) Gecko/20100101 Firefox/91.0 No evidence available User Agent Fuzzer Informational Medium Check for differences in response based on fuzzed User Agent (eg. mobile sites, access as a Search Engine Crawler). Compares the response statuscode and the hashcode of the response body with the original response. <https://srcw.ac.in> GET Header User-Agent Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/91.0.4472.124 Safari/537.36 No evidence available User Agent Fuzzer Informational Medium Check for differences in response based on fuzzed User Agent (eg. mobile sites, access as a Search Engine Crawler). Compares the response statuscode and the hashcode of the response body with the original response. <https://srcw.ac.in/> GET Header User-Agent Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/91.0.4472.124 Safari/537.36 No evidence available User Agent Fuzzer Informational Medium Check for differences in response based on fuzzed User Agent (eg. mobile sites, access as a Search Engine Crawler). 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Compares the response statuscode and the hashcode of the response body with the original response. <https://srcw.ac.in/sitemap.xml> GET Header User-Agent Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/91.0.4472.124 Safari/537.36 No evidence available Timestamp Disclosure - Unix Low Low A timestamp was disclosed by the application/web server - Unix <https://srcw.ac.in/sitemap.xml> GET No parameter specified No attack specified 1710683897 Timestamp Disclosure - Unix Low Low A timestamp was disclosed by the application/web server - Unix <https://srcw.ac.in/> GET No parameter specified No attack specified 1710683897 Timestamp Disclosure - Unix Low Low A timestamp was disclosed by the application/web server - Unix <https://srcw.ac.in/robots.txt> GET No parameter specified No attack specified 1710683897