

Web Application Report

This report includes important security information about your web application.

Security Report

This report was created by HCL AppScan Standard 10.4.0 Scan started: 6/7/2024 5:59:42 PM

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- Integer Overflow
- Unnecessary Http Response Headers found in the Application

Application Data

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Introduction

This report contains the results of a web application security scan performed by HCL AppScan Standard.

Medium severity issues: 2
Total security issues included in the report: 2
Total security issues discovered in the scan: 52

General Information

Scan file name: swik.meity.gov.in_eSignUser

Scan started: 6/7/2024 5:59:42 PM

Test policy: Default CVSS version: 3.1
Test optimization level: Fast

Host 10.246.140.36

Port 80

Operating system: Unknown
Web server: Unknown
Application server: Any

Login Settings

Login method: Recorded login

Concurrent logins: Enabled In-session detection: Enabled

In-session pattern:
Approval\ Letter\ Pending\ for\ Signature|Signed\ Approved\ Proposals|Update\

Profile

Tracked or session ID cookies: aadhaar_good_governance_portal_session

XSRF-TOKEN

Tracked or session ID parameters: _token

_token

Login sequence: http://10.246.140.36/

http://10.246.140.36/login http://10.246.140.36/login http://10.246.140.36/home http://10.246.140.36/2fa

http://10.246.140.36/2fa http://10.246.140.36/home

Summary

Issue Types 2

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Issue Type	Number of Issues
M Integer Overflow	1
M Unnecessary Http Response Headers found in the Application	1

Vulnerable URLs 2

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URL	Number of Issues
M http://10.246.140.36/userValidate	1
M http://10.246.140.36/js/jquery-3.7.1.min.js	1

Fix Recommendations 2

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	Remediation Task	Number of Issues
١	Do not allow sensitive information to leak.	1
Λ	Verify that parameter values are in their expected ranges and types. Do not output debugging error messages and exceptions	1

Security Risks 2

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	Risk	Number of Issues
M	It is possible to gather sensitive debugging information	1
M	It is possible to gather sensitive information about the web application such as usernames, passwords, machine name and/or sensitive file locations	1

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Causes 2

		Cause	Num	ber of Issues
1		An Integer Overflow (or wraparound) occurs when a value that is too large is stored (larger than the maximum value the variable can hold) in an integer data type (including byte, short, long, and other types). The most significant bits of the integer are lost, and the remaining value is relative to the minimum value (either 0 or very negative value for signed types).	1	
Ī	M	Insecure web application programming or configuration	1	

WASC Threat Classification

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Threat	Number of Issues
Information Leakage	1
Integer Overflows	1

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Issues Sorted by Issue Type

м Integer Overflow 1

Issue 1 of 1

Integer Overflow		
Severity:	Medium	
CVSS Score:	8.6	
URL: http://10.246.140.36/userValidate		
Entity:	mobile (Parameter)	
Risk:	It is possible to gather sensitive debugging information	
Cause:	An Integer Overflow (or wraparound) occurs when a value that is too large is stored (larger than the maximum value the variable can hold) in an integer data type (including byte, short, long, and other types). The most significant bits of the integer are lost, and the remaining value is relative to the minimum value (either 0 or very negative value for signed types).	
Fix:	Verify that parameter values are in their expected ranges and types. Do not output debugging error messages and exceptions	

Reasoning: The application has responded with an error message, indicating an undefined state that may expose sensitive information.

Test Requests and Responses:

```
GET /userValidate?mobile=999999999999999999999%validation type=mobile&id=0 HTTP/1.1
Host: 10.246.140.36
Accept: application/json, text/javascript, */*; q=0.01
X-Requested-With: XMLHttpRequest
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/116.0.0.0 Safari/537.36
  token: {{ csrf token() }}
Accept-Language: en-US
aadhaar\ good\ governance\ portal\ session = eyJpdi16InJhV3M2T1BxS1JqOGwyR2ZsQS8yV2c9PSIsInZhbHVlIjoiUGZhOVYxY2pheWt3ZWptRU1NSjhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NSJhRu1NS
OldzbW5UcXoxS1pIb3JCYjRlVWVoRGs4NHZ5SEZvcktFOWVpd0ZSTk1vOWU3SkZ2bGVjRlhES1FRVFlozzczY2xLcGt2ZmVOcnu3T3FESUJzRWNgNU4rZVFOL0R
FnIjoiIn0%3D
Content-Length: 0
HTTP/1.1 500 Internal Server Error
Date: Fri, 07 Jun 2024 12:35:23 GMT
Server: Swik
Cache-Control: must-revalidate, no-cache, no-store, private
Pragma: no-cache
X-Frame-Options: SAMEORIGIN, SAMEORIGIN
Content-Security-Policy: default-src 'self'; Object-Src 'self'; img-src 'self' data:; script-src 'self'; style-src 'self'
X-Content-Type-Options: nosniff
X-Content-Type-Options: nosniff
```

```
X-XSS-Protection: 1; mode=block
 X-Firefox-Spdv: h2
Strict-Transport-Security: max-age=31536000; includeSubDomains
Access-Control-Allow-Methods: GET, POST, HEAD
Access-Control-Allow-Credentials: true
Access-Control-Allow-Headers: accept, content-type, X-Requested-With, X-Prototype-Version, X-CSRF-Token, authorization
 Referrer-Policy: no-referrer
Connection: close
Transfer-Encoding: chunked
Content-Type: application/json
 Set-Cookie: XSRF-
 {\tt TOKEN=eyJpdi161jJER1dZQXpwT09RVTR2Rmph0FV6Qmc9PSIsInZhbHV1ljoiemZ3aVFj0XJwNEY5bUJ0dURYdlFJb1YwMmd0Ni9EdXJFWlV3R3hrSWU3dXRPN} \\
 LCJ0YWci0iIifQ==; expires=Fri, 07-Jun-2024 13:35:23 GMT; Max-Age=3600; path=/; secure; httponly; samesite=strict
 {\tt aadhaar~good~governance~portal~session=eyJpdi161mpvMmpoRHBVd05EZE1EU1RsS0E2SHc9PSIsInZhbHVlIjoicHhJWG9ScitHczVGSjV1bVJWR0Qr} \\
 \\ \textbf{UFQ1bDJY}05wc2NveSt4c1VJdj1tMkIqTVh0UGN3QkVTZyttdHdwVDcwY2dJV1M5NkNHZHp1Wk1HZE01MGEwM0JMbXZRVF1ycVV2K3Fha3ZUKz1jN3hnSGVhZDF12DJY05wc2NveSt4c1VJdj1tMkIqTVh0UGN3QkVTZyttdHdwVDcwY2dJV1M5NkNHZHp1Wk1HZE01MGEwM0JMbXZRVF1ycVV2K3Fha3ZUKz1jN3hnSGVhZDF12DJY05wc2NveSt4c1VJdj1tMkIqTVh0UGN3QkVTZyttdHdwVDcwY2dJV1M5NkNHZHp1Wk1HZE01MGEwM0JMbXZRVF1ycVV2K3Fha3ZUKz1jN3hnSGVhZDF12DJY05wc2NveSt4c1VJdj1tMkIqTVh0UGN3QkVTZyttdHdwVDcwY2dJV1M5NkNHZHp1Wk1HZE01MGEwM0JMbXZRVF1ycVV2K3Fha3ZUKz1jN3hnSGVhZDF12DJY05wc2NveSt4c1VJdj1tMkIqTVh0UGN3QkVTZyttdHdwVDcwY2dJV1M5NkNHZHp1Wk1HZE01MGEwM0JMbXZRVF1ycVV2K3Fha3ZUKz1jN3hnSGVhZDF12DJY05wc2NveSt4c1VJdj1tMkIqTVh0UGN3QkVTZyttdHdwVDcwY2dJV1M5NkNHZHp1Wk1HZE01MGEwM0JMbXZRVF1ycVV2K3Fha3ZUKz1jN3hnSGVhZDF12DJY05wc2NveSt4c1VJd1tMkIqTVh0UGN3QkVTZyttdHdwVDcwY2dJV1M5NkNHZHp1Wk1HZE01MGEwM0JMbXZRVF1ycVV2K3Fha3ZUKz1jN3hnSGVhZDF12DJY05wc2NveSt4c1VJd1tMkIqTVh0UGN3QkVTZyttdHdwVDcwY2dJVN5NkNHZHp1Wk1HZE01MGEwM0JMbXZRVF1ycVV2K3Fha3ZUKz1jN3hnSGVhZDF12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJY05wc2NveSt4c1VJf12DJy05wc2NveSt4c1VJf12DJy05wc2NveSt4c1VJf12DJy05wc2NveSt4c1VJf12DJy05wc2NveSt
 FnIjoiIn0%3D; path=/; httponly; samesite=strict
 "message": "Server Error"
 }
```

М

Unnecessary Http Response Headers found in the Application 1

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Issue 1 of 1

Unnecessary Http Response Headers found in the Application Severity: Medium CVSS Score: 3.7 URL: http://10.246.140.36/js/jquery-3.7.1.min.js Entity: 10.246.140.36 (Page) Risk: It is possible to gather sensitive information about the web application such as usernames, passwords, machine name and/or sensitive file locations Cause: Insecure web application programming or configuration Fix: Do not allow sensitive information to leak.

Reasoning: The response contains unnecessary headers, which may help attackers in planning further attacks.

Test Requests and Responses:

```
GET /js/jquery-3.7.1.min.js HTTP/1.1
Host: 10.246.140.36
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/116.0.0.0 Safari/537.36
Accept: */*
Accept-Language: en-US
Connection: keep-alive
Cookie:
aadhaar_good_governance_portal_session=eyJpdiI6Imx4di9kdnRvZkRBSWUUOURhOEI1RXc9PSIsInZhbHV1IjoicGVDSkNDY1JzRUY4dCtGUCt2SWRk
OWNTalpnQVhOcXlwS1Vlak5VcDVtRWlvWW51RnZBaytOMGI5ZzEyNDhVTUNlTVdNTExiNkVuandscTVLTWdQRzVNb2swN2RGbGtSeUdycTNabTEwY0V3N2JUY1J
vdzZJMEFJRUxoeStyRmoiLCJtYWMiOiIwOWY1MmVkMTYzMWEzYmM4OWNjNGU4NDhlYjc5OGU4MjExYWE1YWFjNzA4NWU4NGVlNWUxMDJkMjI4NDMwMzc0IiwidG
FnIjoiIn0%3D
Content-Length: 0
```

```
HTTP/1.1 200 OK
 Date: Fri, 07 Jun 2024 12:34:05 GMT
 Server: Swik
X-Frame-Options: SAMEORIGIN, SAMEORIGIN
 Content-Security-Policy: default-src 'self'; Object-Src 'self'; img-src 'self' data:; script-src 'self'; style-src 'self'
  'unsafe-inline';
 X-Content-Type-Options: nosniff
 X-Content-Type-Options: nosniff
 Last-Modified: Fri, 15 Dec 2023 05:20:54 GMT
 Accept-Ranges: bytes
 Content-Length: 87532
X-XSS-Protection: 1; mode=block
X-Firefox-Spdy: h2
 Strict-Transport-Security: max-age=31536000; includeSubDomains
 Access-Control-Allow-Methods: GET, POST, HEAD
 Access-Control-Allow-Credentials: true
 Access-Control-Allow-Headers: accept, content-type, X-Requested-With, X-Prototype-Version, X-CSRF-Token, authorization
 Referrer-Policy: no-referrer
 Keep-Alive: timeout=5, max=100
 Connection: Keep-Alive
 Content-Type: application/javascript
  /*! jQuery v3.7.1 | (c) OpenJS Foundation and other contributors | jquery.org/license */
 !function(e,t){"use strict";"object"==typeof module&&"object"==typeof module.exports?module.exports=e.document?
 t(e,!0):function(e){if(!e.document)throw new Error("jQuery requires a window with a document");return t(e)}:t(e)}
   ("undefined"!=typeof window?window:this,function(ie,e){"use strict";var oe=
 [],r=Object.qetPrototypeOf,ae=oe.slice,q=oe.flat?function(e) {return oe.flat.call(e)}:function(e) {return
 \verb|oe.concat.apply([],e)||, \verb|s=oe.push|, \verb|s==oe.indexOf|, \verb|n={}|, \verb|i=n.toString|, \verb|ue=n.hasOwnProperty|, \verb|o=ue.toString|, \verb|a=o.call(Object)|, \verb|le=oe.push|, \verb|s=oe.push|, \verb|s=o
  {},v=function(e){return"function"==typeof e&&"number"!=typeof e.nodeType&&"function"!=typeof e.item},y=function(e){return
 (n=n \mid \mid C).createElement("script");if(o.text=e,t)for(r in u)
  (\texttt{i=t[r]}||\texttt{t.getAttribute(r)}) \& \texttt{60.setAttribute(r,i);n.head.appendChild(0).parentNode.removeChild(0)} \} function
  x \ (e) \ \{ return \ null == e? e+"": "object" == typeof \ e | | "function" == typeof \ e? n[i.call(e)] | | "object": typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeof \ e \} var \ null == e? e+"": "object" == typeo
 t="3.7.1", l=/HTML$/i, ce=function(e,t){return new ce.fn.init(e,t)}; function c(e) {var t=!!e&&"length"in
 \texttt{e\&\&e.length,n=x(e);return!v(e)\&\&!y(e)\&\&("array"===n||0===t||"number"==typeof\ t\&\&0<t\&\&t-1\ in\ e)} \\ \texttt{function\ fe(e,t)} \\ \texttt{freturn\ fe(e,t)} \\ \texttt{function\ fe(e,t)} \\ \texttt{function
 e.nodeName&&e.nodeName.toLowerCase() ===t.toLowerCase() }ce.fn=ce.prototype=
  {jquery:t,constructor:ce,length:0,toArray:function(){return ae.call(this)},get:function(e){return null==e?
 ae.call (this): e < 0? this [e+this.length]: this [e] \}, push Stack: function (e) \{var \ t=ce.merge(this.constructor(),e); return the properties of the pr
  t.prevObject=this,t},each:function(e){return ce.each(this,e)},map:function(n){return
 this.pushStack(ce.map(this,function(e,t)\{return\ n.call(e,t,e)\}))\}, slice:function()\{return\ n.call(e,t,e)\})\}, slice:function()\{return\ n.call(e,t,e)\})\}, slice:function(e,t)\{return\ n.call(e,t,e)\}\})\}, slice:function(e,t)\{return\ n.call(e,t,e)\}\}
 this.pushStack(ae.apply(this,arguments))},first:function(){return this.eq(0)},last:function(){return this.eq(-
 1) \}, even: function() \{ return\ this.pushStack(ce.grep(this,function(e,t)\{return(t+1)\$2\})) \}, odd: function()\{return(t+1)\$2\}) \}, odd: function()\{return(t
 this.pushStack(ce.grep(this,function(e,t){return t%2}))},eq:function(e){var t=this.length,n=+e+(e<0?t:0);return
 this.pushStack(0<=n&&n<t?[this[n]]:[])},end:function(){return
 this.prevObject||this.constructor()},push:s,sort:oe.sort,splice:oe.splice},ce.extend=ce.fn.extend=function(){var
  \texttt{e,t,n,r,i,o,a} = \texttt{arguments}[0] \mid | \{\}, \texttt{s=1,u} = \texttt{arguments}. \texttt{length,l} = !1; \texttt{for("boolean"} = = \texttt{typeof a&&(l=a,a} = \texttt{arguments}[s] \mid | \texttt{arguments}[s]
  \{\}, s++\}, "object" == typeof a | | v(a) | | (a=\{\}), s===u&& (a=this, s--); s<u; s++) if (null! = (e=arguments[s])) for (t in section 1) for (t in section 2) for (t in section 3) for (t in section 
 e)r=e[t]," proto "!==t&&a!==r&&((&&r&&(ce.isPlainObject(r)||(i=Array.isArray(r)))?(n=a[t],o=i&&!Array.isArray(n)?
 []:i||ce.isplainObject(n)?n:{},i=!1,a[t]=ce.extend(1,o,r)):void 0!==r&&(a[t]=r));return a},ce.extend({expando:"jQuery"+
  (t+Math.random()).replace(/\D/q,""),isReady:!0,error:function(e){throw new Error(e)},noop:function()
  {},isPlainObject:function(e) {var t,n;return!(!e||"[object Object]"!==i.call(e))&&(!
  (\texttt{t=r(e)}) \mid | \texttt{"function"==typeof(n=ue.call(t,"constructor") \&\&t.constructor") \&\&c.call(n) ===a)}, is \texttt{EmptyObject:function(e)} \\ \{\texttt{var}(\texttt{e}), \texttt{e}, \texttt{e},
 t; for (t in e) return!1; return!0\}, global Eval: function (e,t,n) \{m(e,\{nonce:t\&\&t.nonce\},n)\}, each: function (e,t) \{var n,r=0; if (c(e))\}, each: functio
  \{for(n=e.length;r < n;r++)if(!1==t.call(e[r],r,e[r]))break\} else \ for(r \ in \ e)if(!1==t.call(e[r],r,e[r]))break;return \ for(r,e) \ for(r,
 e\}, \texttt{text:function}(e) \\ \{\texttt{var t, n="", r=0, i=e.nodeType; if (!i) while (t=e[r++]) n+=ce.text(t); return 1===i||11===i?||11===i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i?||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==i||11==
 e.textContent:9===i?e.documentElement.te
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  . . .
 . . .
```

How to Fix

Integer Overflow

Cause:

An Integer Overflow (or wraparound) occurs when a value that is too large is stored (larger than the maximum value the variable can hold) in an integer data type (including byte, short, long, and other types). The most significant bits of the integer are lost, and the remaining value is relative to the minimum value (either 0 or very negative value for signed types).

Risk:

When an integer overflow occurs, the interpreted value will appear to have 'wrapped around' past the maximum value and reset back to the minimum value.

The value can unexpectedly become zero or negative. This can have security implications if the value is used to control looping, manage resources (such as memory allocation), or make business logic decisions.

For example, an integer overflow can give money to the customer in addition to their purchases, when the transaction is completed. In particular, if a mathematical operation results in a number larger than the maximum possible for the integer type, the value wraps around and the variable is set to zero, or negative.

i=UINT MAX+1; // Maximum value for a variable of type unsigned int - 4294967295 (0xfffffff). The result is: i=0

Fix Recommendation:

General

Validate all inputs are within an expected range and the sign before relying on their values or using them in arithmetic calculations. Be sure to check both upper bounds and lower bounds, including negative lower bounds for signed integers (integer overflow is also possible with very large negative numbers).

Use unsigned integers where possible.

Consider using a safe integer-handling library (such as C/C++ SafeInt or IntegerLib).

Consider enabling compiler extensions that prevent some classes of buffer overflows.

CWE:

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External References:

SafeInt Library

Unnecessary Http Response Headers found in the Application

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Cause:

Insecure web application programming or configuration

Risk:

It is possible to gather sensitive information about the web server type, version, OS and more.

AppScan detected a Http response header that is unnecessary.

For reasons of security and privacy, The Http response headers like "Server", "X-Powered-By", "X-AspNetMvc-Version" and "X-AspNet-Version" should not appear in web pages.

The "Server" header is a header that is added usually by default whenever a response is sent to the client by the server.

The "X-Powered-By" header is a header that might be added by default whenever a response is sent to the client by the server.

These added header(s) may reveal sensitive information about the internal server software version and type, thus enabling attackers to fingerprint it and attack it with targeted exploits. Moreover, when a new exploit becomes known to the public, the server will most likely get attacked with it.

Affected Products:

This issue may affect different types of products.

Fix Recommendation:

General

Configure your server to remove the default "Server" header from being sent to all outgoing requests.

For IIS, see:

https://techcommunity.microsoft.com/t5/iis-support-blog/remove-unwanted-http-response-headers/ba-p/369710

For nginx, see:

https://www.getpagespeed.com/server-setup/nginx/how-to-remove-the-server-header-in-nginx

For Weblogic, see:

https://docs.oracle.com/cd/E13222_01/wls/docs81/adminguide/web_server.html

For Apache, see:

https://techglimpse.com/set-modify-response-headers-http-tip/

CWE:

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External References:

Fingerprinting

Preventing Information Leakage

Application Data

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ttp://10.246.140.36/
ttp://10.246.140.36/login
ttp://10.246.140.36/js/jquery-3.7.1.min.js
ttp://10.246.140.36/js/datatable.js
ttp://10.246.140.36/vendor/bootstrap/js/bootstrap.min.js
ttp://10.246.140.36/js/script.js?v=1717763418
ttp://10.246.140.36/js/script.js?v=1717763394
ttp://10.246.140.36/profile
ttp://10.246.140.36/js/jquery.validate.min.js
ttp://10.246.140.36/vendor/select2/select2.min.js
ttp://10.246.140.36/vendor/bootstrap/js/bootstrap-select.min.js
ttp://10.246.140.36/js/forge.min.js
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ttp://10.246.140.36/vendor/bootstrap/js/popper.min.js
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ttp://10.246.140.36/proposals/upload-sign
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ttp://10.246.140.36/js/script.js?v=1717763422
ttp://10.246.140.36/js/attachment-preview.js
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ttp://10.246.140.36/proposals/accepted
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ttp://10.246.140.36/userValidate?mobile=9633691230&validation_type=mobile&id=0
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· .	140.36/js/script.js?v=1717763480
http://10.246.	140.36/js/script.js?v=1717763482
	140.36/js/script.js?v=1717763484
	140.36/js/script.js?v=1717763485
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	140.36/change-password
http://10.246.	140.36/proposals/accepted?s=1234
http://10.246.	140.36/2fa/reset
http://10.246.	140.36/js/script.js?v=1717763560
-	140.36/js/script.js?v=1717763561
	140.36/feedback
http://10.246.	140.36/js/script.js?v=1717763562
	140.36/js/script.js?v=1717763527
	140.36/js/forgot.js
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	140.36/logout

http://10.246.140.36/js/script.js?v=1717763567
http://10.246.140.36/js/jquery-3.7.1.min.js
http://10.246.140.36/profile
http://10.246.140.36/vendor/bootstrap/js/bootstrap.min.js
http://10.246.140.36/js/script.js?v=1717763549
http://10.246.140.36/js/datatable.js
http://10.246.140.36/js/script.js?v=1717763534
http://10.246.140.36/js/jquery.validate.min.js
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URL	Reason
http://10.246.140.36/proposals/proceed-esign-approval-letter	Response Status '500' - Internal Server Error
http://10.246.140.36/logout	Response Status '405' - Method Not Allowed
http://10.246.140.36/vendor/bootstrap/js/popper.js	Response Status '404' - Not Found
http://10.246.140.36/icons/	Response Status '403' - Forbidden
http://10.246.140.36/icons/small/	Response Status '403' - Forbidden
http://10.246.140.36/cgi-bin/	Response Status '403' - Forbidden
http://10.246.140.36/assets/	Response Status '403' - Forbidden
http://10.246.140.36/images/	Response Status '403' - Forbidden
http://10.246.140.36/js/	Response Status '403' - Forbidden
http://10.246.140.36/img/	Response Status '403' - Forbidden
http://10.246.140.36/storage/	Response Status '403' - Forbidden
http://10.246.140.36/uploads/	Response Status '403' - Forbidden
http://10.246.140.36/cert/	Response Status '403' - Forbidden
http://10.246.140.36/css/	Response Status '403' - Forbidden