Scancrypt Vulnerability Report

Scan Report for: http://localhost:8081

Date: 2026-01-16 13:43:19

Executive Summary

Critical: 5

High: 14

Medium: 2

Low: 44

Info: 10

Detailed Findings

1. [Info] Technology Stack Disclosure

URL: http://localhost:8081/rce?cmd=echo 'hello'

Description:
The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:
Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

---

2. [Low] Unknown Issue

URL: http://localhost:8081/rce?cmd=echo 'hello'

Param: cmd

Payload: *; echo 'sc_rce_test'*

Description:

Remediation:

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3. [High] Broken Access Control (BAC)

URL: http://localhost:8081/admin/dashboard

Param: path

Payload: */admin/dashboard*

Description:

Unprivileged users can access restricted administrative pages.

Remediation:

Enforce strict role-based access control (RBAC) on all endpoints.

---

4. [Low] Missing Security Header

URL: http://localhost:8081/rce?cmd=echo 'hello'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

5. [Low] Missing Security Header

URL: http://localhost:8081/rce?cmd=echo 'hello'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

6. [Low] Missing Security Header

URL: http://localhost:8081/rce?cmd=echo 'hello'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

7. [Low] Missing Security Header

URL: http://localhost:8081/rce?cmd=echo 'hello'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

8. [Info] Technology Stack Disclosure

URL: http://localhost:8081/csti?search=vue

Description:
The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:
Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

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9. [Low] Unknown Issue

URL: http://localhost:8081/csti?search=vue

Param: search

Payload: *; echo 'sc_rce_test'*

Description:

Remediation:

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10. [High] Client-Side Template Injection (CSTI)

URL: http://localhost:8081/csti?search=vue

Param: search

Payload: *{{7*7}}*

Description:
The application reflects user input that is interpreted by client-side frameworks (Angular, Vue).

Remediation:
Escape user input before embedding it in templates. Use 'ng-non-bindable' or 'v-pre'.

---

11. [High] Broken Access Control (BAC)

URL: http://localhost:8081/admin/dashboard

Param: path

Payload: */admin/dashboard*

Description:
Unprivileged users can access restricted administrative pages.

Remediation:
Enforce strict role-based access control (RBAC) on all endpoints.

---

12. [Medium] Reflected Cross-Site Scripting (XSS)

URL: http://localhost:8081/csti?search=vue

Param: search

Payload: *<sc_test>*

Description:
The application reflects untrusted data in a web page without proper validation or escaping, allowing execution of malicious scripts.

Remediation:
Context-aware output encoding (escaping) of all user input before rendering it in the browser.

---

13. [Low] Missing Security Header

URL: http://localhost:8081/csti?search=vue

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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14. [Low] Missing Security Header

URL: http://localhost:8081/csti?search=vue

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

15. [Low] Missing Security Header

URL: http://localhost:8081/csti?search=vue

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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16. [Low] Missing Security Header

URL: http://localhost:8081/csti?search=vue

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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17. [Info] Technology Stack Disclosure

URL: http://localhost:8081/admin/dashboard

Description:
The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:
Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

---

18. [High] Broken Access Control (BAC)

URL: http://localhost:8081/admin/dashboard

Param: path

Payload: */admin/dashboard*

Description:
Unprivileged users can access restricted administrative pages.

Remediation:
Enforce strict role-based access control (RBAC) on all endpoints.

---

19. [Low] Missing Security Header

URL: http://localhost:8081/admin/dashboard

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

20. [Low] Missing Security Header

URL: http://localhost:8081/admin/dashboard

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

21. [Low] Missing Security Header

URL: http://localhost:8081/admin/dashboard

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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22. [Low] Missing Security Header

URL: http://localhost:8081/admin/dashboard

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

23. [Info] Technology Stack Disclosure

URL: http://localhost:8081/lfi?file=test.txt

Description:
The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:
Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

---

24. [Critical] Local File Inclusion (LFI)

URL: http://localhost:8081/lfi?file=test.txt

Param: file

Payload: *../../../../etc/passwd*

Description:
The application allows reading arbitrary files from the server via path traversal sequences.

Remediation:
Validate user input against a whitelist of permitted filenames. Disable 'allow_url_include' in PHP.

---

25. [Critical] Local File Inclusion (LFI)

URL: http://localhost:8081/lfi?file=test.txt

Param: file

Payload: *../../../../windows/win.ini*

Description:
The application allows reading arbitrary files from the server via path traversal sequences.

Remediation:
Validate user input against a whitelist of permitted filenames. Disable 'allow_url_include' in PHP.

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26. [Critical] Local File Inclusion (LFI)

URL: http://localhost:8081/lfi?file=test.txt

Param: file

Payload: *....//....//....//etc/passwd*

Description:
The application allows reading arbitrary files from the server via path traversal sequences.

Remediation:
Validate user input against a whitelist of permitted filenames. Disable 'allow_url_include' in PHP.

---

27. [High] Broken Access Control (BAC)

URL: http://localhost:8081/admin/dashboard

Param: path

Payload: */admin/dashboard*

Description:
Unprivileged users can access restricted administrative pages.

Remediation:
Enforce strict role-based access control (RBAC) on all endpoints.

---

28. [Low] Missing Security Header

URL: http://localhost:8081/lfi?file=test.txt

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

29. [Low] Missing Security Header

URL: http://localhost:8081/lfi?file=test.txt

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

30. [Low] Missing Security Header

URL: http://localhost:8081/lfi?file=test.txt

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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31. [Low] Missing Security Header

URL: http://localhost:8081/lfi?file=test.txt

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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32. [Info] Technology Stack Disclosure

URL: http://localhost:8081/blind_rce?cmd=echo 'test'

Description:
The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:
Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

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33. [Critical] Blind Remote Code Execution

URL: http://localhost:8081/blind_rce?cmd=echo 'test'

Param: cmd

Payload: *; sleep 5*

Description:

The application executes system commands but does not return the output. Detected via time delays.

Remediation:

Avoid using system calls. Validate input strictly against a whitelist.

---

34. [High] Broken Access Control (BAC)

URL: http://localhost:8081/admin/dashboard

Param: path

Payload: */admin/dashboard*

Description:

Unprivileged users can access restricted administrative pages.

Remediation:

Enforce strict role-based access control (RBAC) on all endpoints.

---

35. [Low] Missing Security Header

URL: http://localhost:8081/blind_rce?cmd=echo 'test'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

36. [Low] Missing Security Header

URL: http://localhost:8081/blind_rce?cmd=echo 'test'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

37. [Low] Missing Security Header

URL: http://localhost:8081/blind_rce?cmd=echo 'test'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

38. [Low] Missing Security Header

URL: http://localhost:8081/blind_rce?cmd=echo 'test'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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39. [Info] Technology Stack Disclosure

URL: http://localhost:8081/cors

Description:

The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:

Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

---

40. [High] Broken Access Control (BAC)

URL: http://localhost:8081/admin/dashboard

Param: path

Payload: */admin/dashboard*

Description:

Unprivileged users can access restricted administrative pages.

Remediation:

Enforce strict role-based access control (RBAC) on all endpoints.

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41. [High] CORS Misconfiguration (Insecure Origin)

URL: http://localhost:8081/cors

Payload: *Origin: http://evil-scanner.com*

Description:
The application accepts arbitrary origins (Access-Control-Allow-Origin: * or null), allowing attackers to steal data.

Remediation:
Whiltelist trusted origins. Do not reflect the 'Origin' header blindly.

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42. [Low] Missing Security Header

URL: http://localhost:8081/cors

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

43. [Low] Missing Security Header

URL: http://localhost:8081/cors

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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44. [Low] Missing Security Header

URL: http://localhost:8081/cors

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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45. [Low] Missing Security Header

URL: http://localhost:8081/cors

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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46. [Info] Technology Stack Disclosure

URL: http://localhost:8081/ssti?name=Guest

Description:
The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:
Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

---

47. [Low] Unknown Issue

URL: http://localhost:8081/ssti?name=Guest

Param: name

Payload: *; echo 'sc_rce_test'*

Description:

Remediation:

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48. [Critical] Server-Side Template Injection (SSTI)

URL: http://localhost:8081/ssti?name=Guest

Param: name

Payload: *${{7*7}}*

Description:
The application blindly processes user input inside a template engine. This often leads to RCE.

Remediation:
Do not pass user input directly to templates. Use a 'Sandboxed' environment.

---

49. [High] Client-Side Template Injection (CSTI)

URL: http://localhost:8081/ssti?name=Guest

Param: name

Payload: *{{1+1}}*

Description:
The application reflects user input that is interpreted by client-side frameworks (Angular, Vue).

Remediation:
Escape user input before embedding it in templates. Use 'ng-non-bindable' or 'v-pre'.

---

50. [High] Broken Access Control (BAC)

URL: http://localhost:8081/admin/dashboard

Param: path

Payload: */admin/dashboard*

Description:

Unprivileged users can access restricted administrative pages.

Remediation:

Enforce strict role-based access control (RBAC) on all endpoints.

---

51. [Medium] Reflected Cross-Site Scripting (XSS)

URL: http://localhost:8081/ssti?name=Guest

Param: name

Payload: *<sc_test>*

Description:

The application reflects untrusted data in a web page without proper validation or escaping, allowing execution of malicious scripts.

Remediation:

Context-aware output encoding (escaping) of all user input before rendering it in the browser.

---

52. [Low] Missing Security Header

URL: http://localhost:8081/ssti?name=Guest

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

53. [Low] Missing Security Header

URL: http://localhost:8081/ssti?name=Guest

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

54. [Low] Missing Security Header

URL: http://localhost:8081/ssti?name=Guest

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

55. [Low] Missing Security Header

URL: http://localhost:8081/ssti?name=Guest

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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56. [Info] Technology Stack Disclosure

URL: http://localhost:8081/api/user/100

Description:
The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:
Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

---

57. [High] Broken Object Level Authorization (BOLA/IDOR)

URL: http://localhost:8081/api/user/100

Param: path

Payload: *101*

Description:
The application allows access to objects belonging to other users by manipulating IDs.

Remediation:
Implement proper authorization checks for every object access.

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58. [High] Broken Access Control (BAC)

URL: http://localhost:8081/admin/dashboard

Param: path

Payload: */admin/dashboard*

Description:

Unprivileged users can access restricted administrative pages.

Remediation:

Enforce strict role-based access control (RBAC) on all endpoints.

---

59. [Low] Missing Security Header

URL: http://localhost:8081/api/user/100

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

60. [Low] Missing Security Header

URL: http://localhost:8081/api/user/100

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

61. [Low] Missing Security Header

URL: http://localhost:8081/api/user/100

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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62. [Low] Missing Security Header

URL: http://localhost:8081/api/user/100

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

63. [Info] Technology Stack Disclosure

URL: http://localhost:8081

Description:
The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:
Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

---

64. [High] Broken Access Control (BAC)

URL: http://localhost:8081/admin/dashboard

Param: path

Payload: */admin/dashboard*

Description:
Unprivileged users can access restricted administrative pages.

Remediation:
Enforce strict role-based access control (RBAC) on all endpoints.

---

65. [Low] Sensitive Data Exposure

URL: http://localhost:8081

Description:
The application exposes sensitive information (emails, keys, passwords) in its responses.

Remediation:
Ensure sensitive data is not returned in API responses or HTML comments. Use generic error messages.

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66. [Low] Missing Security Header

URL: http://localhost:8081

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

67. [Low] Missing Security Header

URL: http://localhost:8081

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

68. [Low] Missing Security Header

URL: http://localhost:8081

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

69. [Low] Missing Security Header

URL: http://localhost:8081

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

70. [Info] Technology Stack Disclosure

URL: http://localhost:8081/sqli?id=1

Description:
The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:
Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

---

71. [High] Broken Access Control (BAC)

URL: http://localhost:8081/admin/dashboard

Param: path

Payload: */admin/dashboard*

Description:
Unprivileged users can access restricted administrative pages.

Remediation:
Enforce strict role-based access control (RBAC) on all endpoints.

---

72. [Low] Missing Security Header

URL: http://localhost:8081/sqli?id=1

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

73. [Low] Missing Security Header

URL: http://localhost:8081/sqli?id=1

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

74. [Low] Missing Security Header

URL: http://localhost:8081/sqli?id=1

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

---

75. [Low] Missing Security Header

URL: http://localhost:8081/sqli?id=1

Description:
The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:
Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).
