# CVE-2022-2540

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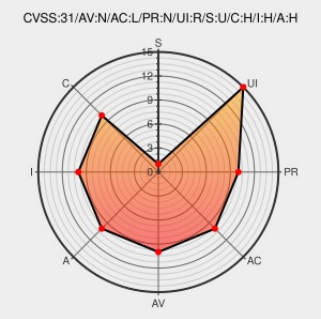
## CVE-2022-2540

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF




Certain versions of Link Optimizer Lite from Link Optimizer Lite Project contain the following vulnerability:

The Link Optimizer Lite plugin for WordPress is vulnerable to Cross-Site Request Forgery to Cross-Site Scripting in versions up to, and including 1.4.5. This is due to missing nonce validation on the admin_page function found in the ~/admin.php file. This makes it possible for unauthenticated attackers to modify the plugin's settings and inject malicious web scripts via a forged request granted they can trick a site administrator into performing an action such as clicking on a link.

CVE-2022-2540 has been assigned by security@wordfence.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **adambard** - **Link Optimizer Lite** version **<= 1.4.5**

### CVSS3 Score: 8.8 - HIGH

| Attack Vector | Attack Complexity | Privileges Required | User Interaction |
|---|---|---|---|
| NETWORK | LOW | NONE | REQUIRED |
| **Scope** | **Confidentiality Impact** | **Integrity Impact** | **Availability Impact** |
| UNCHANGED | HIGH | HIGH | HIGH |

### CVE References

| Description | Tags | Link |
|---|---|---|
| Vulnerability Advisories - Wordfence | www.wordfence.com text/html | MISC www.wordfence.com/vulnerability-advisories/#CVE-2022-2540 |
| No Description Provided | www.wordfence.com | www.wordfence.com/threat-intel/vulnerabilities/id/ca64692b-b194-4ceb-975e-72e4041252f2?source=cve |
| 403 Forbidden | plugins.trac.wordpress.org text/html Inactive Link Not Archived | MISC plugins.trac.wordpress.org/browser/link-optimizer-lite/1.4.5/admin.php#L20 |

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There are currently no QIDs associated with this CVE

## Known Affected Configurations (CPE V2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Application | Link Optimizer Lite Project | Link Optimizer Lite | All | All | All | All |

cpe:2.3:a:link_optimizer_lite_project:link_optimizer_lite:*:*:*:*:*:wordpress:*:*:

## Discovery Credit

Hayato Takizawa

## Social Mentions

| Source | Title | Posted (UTC) |
|---|---|---|
| @CVEreport | CVE-2022-2540 : The Link Optimizer Lite plugin for WordPress is vulnerable to Cross-Site Request Forgery to Cross-S… twitter.com/i/web/status/1… | 2022-09-06 18:10:41 |
| @LinInfoSec | Wordpress - CVE-2022-2540: wordfence.com/vulnerability-… | 2022-09-06 21:01:01 |

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