CVE-2022-23597

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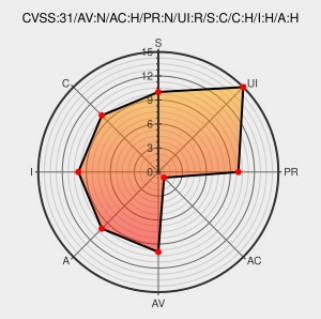
CVE-2022-23597 - advisory for GHSA-mjrg-9f8r-h3m7

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



Certain versions of Desktop from Element contain the following vulnerability:

Element Desktop is a Matrix client for desktop platforms with Element Web at its core. Element Desktop before 1.9.7 is vulnerable to a remote program execution bug with user interaction. The exploit is non-trivial and requires clicking on a malicious link, followed by another button click. To the best of our knowledge, the vulnerability has never been exploited in the wild. If you are using Element Desktop < 1.9.7, we recommend upgrading at your earliest convenience. If successfully exploited, the vulnerability allows an attacker to specify a file path of a binary on the victim's computer which then gets executed. Notably, the attacker does *not* have the ability to specify program arguments. However, in certain unspecified configurations, the attacker may be able to specify an URI instead of a file path which then gets handled using standard platform mechanisms. These may allow exploiting further vulnerabilities in those mechanisms, potentially leading to arbitrary code execution.

CVE-2022-23597 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

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

CVSS2 Score: 5.1 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	HIGH	NONE
Confidentiality	**Integrity**	**Availability**

Impact	Impact	Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
Remote program execution with user interaction · Advisory · vector-im/element-desktop · GitHub	github.com text/html	CONFIRM github.com/vector-im/element-desktop/security/advisories/GHSA-mjrg-9f8r-h3m7
Merge pull request from GHSA-mjrg-9f8r-h3m7 · vector-im/element-desktop@89b1e39 · GitHub	github.com text/html	MISC github.com/vector-im/element-desktop/commit/89b1e39b801655e595337708d4319ba4313feafa

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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	Element	Desktop	All	All	All	All

cpe:2.3:a:element:desktop:*:*:*:*:*:node.js:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2022-23597 : Element Desktop is a Matrix client for desktop platforms with Element Web at its core. Element Des… twitter.com/i/web/status/1…	2022-02-01 11:52:13
/r/netcve	CVE-2022-23597	2022-02-01 12:38:05
/r/k12cybersecurity	MS-ISAC CYBERSECURITY ADVISORY - Multiple Vulnerabilities in Mozilla Firefox Could Allow for Arbitrary Code Execution - PATCH: NOW	2023-01-18 15:23:08

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