



# CVE-2021-40663

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## CVE-2021-40663

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Deep.assign](#) from [Deep.assign Project](#) contain the following vulnerability:

deep.assign npm package 0.0.0-alpha.0 is vulnerable to Improperly Controlled Modification of Object Prototype Attributes ('Prototype Pollution').

CVE-2021-40663 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>NONE</b>         | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>HIGH</b>         | <b>HIGH</b>         |

CVSS2 Score: **7.5 - HIGH**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>PARTIAL</b>         | <b>PARTIAL</b>    | <b>PARTIAL</b>      |

## CVE References

| Description                                                                       | Tags                                                             | Link                                                                          |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------|
| deep.assign - npm                                                                 | <a href="#">www.npmjs.com</a><br><a href="#">text/html</a>       | <a href="#">MISC</a><br><a href="#">www.npmjs.com/package/deep.assign</a>     |
| CVE-2021-40663 Node.js Vulnerability in NetApp Products   NetApp Product Security | <a href="#">security.netapp.com</a><br><a href="#">text/html</a> | <a href="#">CONFIRM</a><br><a href="#">security.netapp.com/advisory/ntap-</a> |

Prototype Pollution in deep.assign npm package · Issue #1 · janbialostok/deep-assign · GitHub

github.com  
text/html

MISC [github.com/janbialostok/deep-assign/issues/1](https://github.com/janbialostok/deep-assign/issues/1)

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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                                                              | <a href="#">Deep.assign Project</a> | <a href="#">Deep.assign</a> | 0.0.0   | alpha0 | All     | All      |
| cpe:2.3:a:deep.assign_project:deep.assign:0.0.0:alpha0:*:*:*:node.js:*:* |                                     |                             |         |        |         |          |

No vendor comments have been submitted for this CVE

#### Social Mentions

| Source                                                                                          | Title                                                                                                                                                                                                    | Posted (UTC)        |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @CVEreport   | CVE-2021-40663 : deep.assign npm package 0.0.0-alpha.0 is vulnerable to Improperly Controlled Modification of Objec... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2022-06-30 12:06:55 |
|  @Robo_Alerts | Potentially Critical CVE Detected! CVE-2021-40663 deep.assign npm package 0.0.0-alpha.0 is vulnerable to Improperly... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2022-06-30 13:56:00 |
|  @LinInfoSec  | Npm - CVE-2021-40663: <a href="https://github.com/janbialostok/d...">github.com/janbialostok/d...</a>                                                                                                    | 2022-06-30 15:08:34 |
|  /r/netcve    | <a href="#">CVE-2021-40663</a>                                                                                                                                                                           | 2022-06-30 13:38:56 |

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