



# CVE-2022-31804

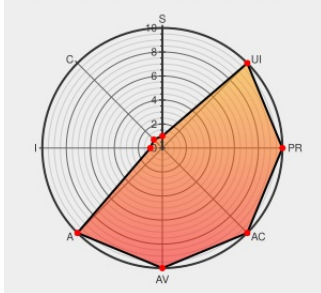
Published on: Not Yet Published

Last Modified on: 07/01/2022 01:35:00 PM UTC

## CVE-2022-31804

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

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H



Certain versions of [Gateway](#) from [Codesys](#) contain the following vulnerability:

The CODESYS Gateway Server V2 does not verify that the size of a request is within expected limits. An unauthenticated attacker may allocate an arbitrary amount of memory, which may lead to a crash of the Gateway due to an out-of-memory condition.

CVE-2022-31804 has been assigned by [cert](#) info@cert.vde.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [cert](#) **CODESYS - CODESYS Gateway Server V2** version < V2.3.9.38

CVSS3 Score: **7.5 - HIGH**

| 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>NONE</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **5 - MEDIUM**

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

## CVE References

| Description | Tags                                                                     | Link                                                                                                                                                             |
|-------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | <a href="#">customers.codesys.com</a><br><a href="#">application/pdf</a> | <b>CONFIRM</b> <a href="#">customers.codesys.com/index.php?eID=dumpFile&amp;t=f&amp;f=17141&amp;token=17867e35cfd30c77ba0137f9a17b3a557a4b7b66&amp;download=</a> |

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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="#">Codesys</a> | <a href="#">Gateway</a> | All     | All    | All     | All      |
| cpe:2.3:a:codesys:gateway:*:*:*:*:*: |                         |                         |         |        |         |          |

No vendor comments have been submitted for this CVE

#### Social Mentions

| Source                                                                                         | Title                                                                                                                                                                                                   | Posted (UTC)        |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @CVEreport    | CVE-2022-31804 : The CODESYS Gateway Server V2 does not verify that the size of a request is within expected limit... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2022-06-24 07:51:37 |
|  @LinInfoSec | Php - CVE-2022-31804: <a href="https://customers.codesys.com/index.php?eID=...">customers.codesys.com/index.php?eID=...</a>                                                                             | 2022-06-24 12:00:12 |
|  /r/netcve   | <a href="#">CVE-2022-31804</a>                                                                                                                                                                          | 2022-06-24 08:38:49 |

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