# CVE-2021-4248

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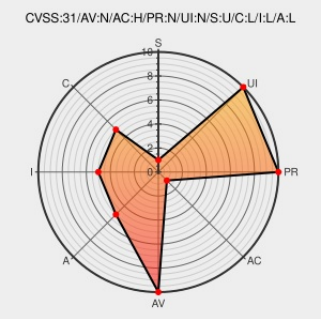
## CVE-2021-4248

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




Certain versions of Kapetan Dns from Kapetan Dns Project contain the following vulnerability:

A vulnerability was found in kapetan dns up to 6.1.0. It has been rated as problematic. Affected by this issue is some unknown functionality of the file DNS/Protocol/Request.cs. The manipulation leads to insufficient entropy in prng. The attack may be launched remotely. Upgrading to version 7.0.0 is able to address this issue. The name of the patch is cf7105aa2aae90d6656088fe5a8ee1d5730773b6. It is recommended to upgrade the affected component. The identifier of this vulnerability is VDB-216188.

CVE-2021-4248 has been assigned by cna@vuldb.com to track the vulnerability - currently rated as CRITICAL severity.

Affected Vendor/Software: **kapetan** - **dns** version **6.0**

Affected Vendor/Software: **kapetan** - **dns** version **6.1**

### CVSS3 Score: 9.8 - CRITICAL

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

### CVE References

| Description | Tags | Link |
|---|---|---|
| Using a crypto random number generator in `Request` (#88) · kapetan/dns@cf7105a · GitHub | github.com<br>text/html | MISC<br>github.com/kapetan/dns/commit/cf7105aa2aae90d6656088fe5a8ee1d5730773b6 |
| CVE-2021-4248 \| kapetan | vuldb.com | MISC vuldb.com/?id.216188 |

| | | |
|---|---|---|
| dns Request.cs entropy (ID 88) | text/html<br>Inactive Link Not Archived | |
| Using a crypto random number generator in `Request` by danieljoos · Pull Request #88 · kapetan/dns · GitHub | github.com<br>text/html | MISC github.com/kapetan/dns/pull/88 |
| Release v7.0.0 · kapetan/dns · GitHub | github.com<br>text/html | MISC github.com/kapetan/dns/releases/tag/v7.0.0 |

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There are currently no QIDs associated with this CVE

## Exploit/POC from Github

This repository contains a collection of data files on known Common Vulnerabilities and Exposures (CVEs). Each file i…

## Known Affected Configurations (CPE V2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Application | Kapetan Dns Project | Kapetan Dns | All | All | All | All |

cpe:2.3:a:kapetan_dns_project:kapetan_dns:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

## Social Mentions

| Source | Title | Posted (UTC) |
|---|---|---|
| /r/netcve | CVE-2021-4248 | 2022-12-18 12:39:27 |

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