



# NASA cFS Pickle pickle.load deserialization

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

|                        |   |
|------------------------|---|
| <b>CVE</b>             | CVE-2026-5473   |
| <b>State</b>           | PUBLISHED   |
| <b>Assigner</b>        | VulDB   |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback  |
| <b>Published</b>       | 2026-04-03 17:16:54 UTC   |
| <b>Updated</b>         | 2026-04-03 17:16:54 UTC   |
| <b>Description</b>     | A vulnerability has been found in NASA cFS up to 7.0.0. The impacted element is the function pickle.load of the component |

## Risk And Classification

**Primary CVSS:** v4.0 2 LOW from cna@vuldb.com

CVSS:4.0/AV:L/AC:H/AT:N/PR:L/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

**Problem Types:** CWE-20 | CWE-502 | CWE-502 Deserialization | CWE-20 Improper Input Validation

| Version | Source        | Type      | Score | Severity | Vector   |
|---------|---------------|-----------|-------|----------|--|
| 4.0     | cna@vuldb.com | Secondary | 2     | LOW      | CVSS:4.0/AV:L/AC:H/AT:N/PR:L/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P/C... |
| 4.0     | CNA           | DECLARED  | 2     | LOW      | CVSS:4.0/AV:L/AC:H/AT:N/PR:L/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P      |
| 3.1     | cna@vuldb.com | Primary   | 4.5   | MEDIUM   | CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:L/I:L/A:L                             |
| 3.1     | CNA           | DECLARED  | 4.5   | MEDIUM   | CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:L/I:L/A:L/E:P/RL:X/RC:R               |
| 3.0     | CNA           | DECLARED  | 4.5   | MEDIUM   | CVSS:3.0/AV:L/AC:H/PR:L/UI:N/S:U/C:L/I:L/A:L/E:P/RL:X/RC:R               |
| 2.0     | cna@vuldb.com | Secondary | 3.5   |          | AV:L/AC:H/Au:S/C:P/I:P/A:P   |
| 2.0     | CNA           | DECLARED  | 3.5   |          | AV:L/AC:H/Au:S/C:P/I:P/A:P/E:POC/RL:ND/RC:UR                             |

## CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

High

Attack Requirements

None

Privileges Required

Low

User Interaction

None

Confidentiality

Low

Integrity

Low

Availability

Low

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:L/AC:H/AT:N/PR:L/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N/E:P/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MS:C:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

High

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

Low

CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:L/I:L/A:L

CVSS v3.0 Breakdown

Attack Vector

Local

Attack Complexity

High

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

Low

CVSS:3.0/AV:L/AC:H/PR:L/UI:N/S:U/C:L/I:L/A:L/E:P/RL:X/RC:R

### Vendor Declared Affected Products

| Source | Vendor | Product | Version      | Platforms     |
|--------|--------|---------|--------------|---------------|
| CNA    | NASA   | CFS     | affected 7.0 | Not specified |

### References

| Reference                      | Source        | Link         | Tags                |
|--------------------------------|---------------|--------------|---------------------|
| vuldb.com/vuln/355077          | cna@vuldb.com | vuldb.com    |                     |
| github.com/nasa/cFS            | cna@vuldb.com | github.com   |                     |
| github.com/nasa/cFS/issues/951 | cna@vuldb.com | github.com   |                     |
| vuldb.com/vuln/355077/cti      | cna@vuldb.com | vuldb.com    |                     |
| vuldb.com/submit/781949        | cna@vuldb.com | vuldb.com    |                     |
| CVE Program record             | CVE.ORG       | www.cve.org  | canonical           |
| NVD vulnerability detail       | NVD           | nvd.nist.gov | canonical, analysis |

### Vendor Comments And Credit

Discovery Credit

**CNA:** OrbitingZero (VulDB User) (en)

**CNA:** VulDB CNA Team (en)

### Additional Advisory Data

| Source | Time                     | Event               |
|--------|--------------------------|---------------------|
| CNA    | 2026-04-03T00:00:00.000Z | Advisory disclosed  |
| CNA    | 2026-04-03T02:00:00.000Z | VulDB entry created |

There are currently no legacy QID mappings associated with this CVE.

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