



# CVE-2021-46699

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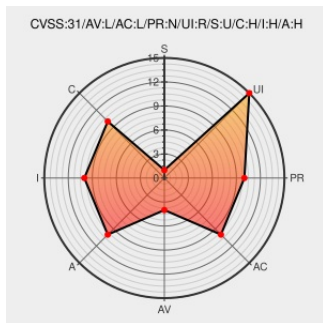
## CVE-2021-46699

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [Simcenter Femap](#) from [Siemens](#) contain the following vulnerability:

A vulnerability has been identified in Simcenter Femap (All versions < V2022.1.1). Affected application contains a stack based buffer overflow vulnerability while parsing specially crafted BDF files. This could allow an attacker to execute code in the context of the current process. (ZDI-CAN-15061)

CVE-2021-46699 has been assigned by [S](#) productcert@siemens.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [S](#) **Siemens - Simcenter Femap** version **All versions < V2022.1.1**

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **6.8 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| NETWORK                | MEDIUM            | NONE                |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| PARTIAL                | PARTIAL           | PARTIAL             |

## CVE References

| Description | Tags                                    | Link                                                                        |
|-------------|-----------------------------------------|-----------------------------------------------------------------------------|
|             | <a href="#">cert-portal.siemens.com</a> | <a href="#">MISC cert-portal.siemens.com/productcert/pdf/ssa-949188.pdf</a> |

[application/pdf](#)

ZDI-22-509 | Zero Day Initiative

[www.zerodayinitiative.com](https://www.zerodayinitiative.com)[text/html](#) MISC [www.zerodayinitiative.com/advisories/ZDI-22-509/](https://www.zerodayinitiative.com/advisories/ZDI-22-509/)

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## Related QID Numbers

590801 Siemens Simcenter Femap Multiple Vulnerabilities (ICSA-22-069-10,SSA-94918)

## Known Affected Configurations (CPE V2.3)

| Type                                         | Vendor                  | Product                         | Version | Update | Edition | Language |
|----------------------------------------------|-------------------------|---------------------------------|---------|--------|---------|----------|
| Application                                  | <a href="#">Siemens</a> | <a href="#">Simcenter Femap</a> | All     | All    | All     | All      |
| cpe:2.3:a:siemens:simcenter_femap:*:*:*:*:*: |                         |                                 |         |        |         |          |

No vendor comments have been submitted for this CVE

## Social Mentions

| Source                                                                                         | Title                                                                                                                                                                                                   | Posted (UTC)        |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @CVEreport | CVE-2021-46699 : A vulnerability has been identified in Simcenter Femap All versions < V2022.1.1 . Affected applic... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2022-03-01 00:32:34 |

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