



# CVE-2023-24620

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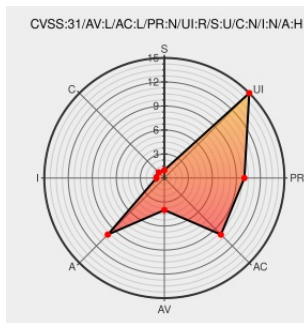
## CVE-2023-24620

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [Yamlbeans](#) from [Esotericsoftware](#) contain the following vulnerability:

An issue was discovered in Esoteric YamlBeans through 1.15. A crafted YAML document is able perform an XML Entity Expansion attack against YamlBeans YamlReader. By exploiting the Anchor feature in YAML, it is possible to generate a small YAML document that, when read, is expanded to a large size, causing CPU and memory consumption, such as a Java Out-of-Memory exception.

CVE-2023-24620 has been assigned by [M](#) [cve@mitre.org](#) to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.5 - MEDIUM**

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

## CVE References

| Description                                                | Tags                                                              | Link                                                                                  |
|------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Esoteric Software · GitHub                                 | <a href="#">github.com</a><br><a href="#">text/html</a>           | <a href="#">MISC github.com/EsotericSoftware</a>                                      |
| Security Policy                                            | <a href="#">github.com</a><br><a href="#">text/plain</a>          | <a href="#">MISC github.com/Contrast-Security-OSS/yamlbeans/blob/main/SECURITY.md</a> |
| Contrast Security   Application Security Software Platform | <a href="#">contrastsecurity.com</a><br><a href="#">text/html</a> | <a href="#">MISC contrastsecurity.com</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                                     | Esotericsoftware | Yamlbeans | All     | All    | All     | All      |
| cpe:2.3:a:esotericsoftware:yamlbeans:*****.*.*. |                  |           |         |        |         |          |

No vendor comments have been submitted for this CVE

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