



# CVE-2019-3773

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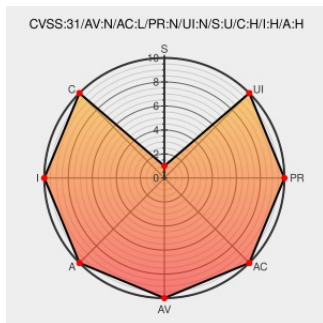
## CVE-2019-3773

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Financial Services Analytical Applications Infrastructure](#) from [Oracle](#) contain the following vulnerability:

Spring Web Services, versions 2.4.3, 3.0.4, and older unsupported versions of all three projects, were susceptible to XML External Entity Injection (XXE) when receiving XML data from untrusted sources.

CVE-2019-3773 has been assigned by [secure@dell.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [Spring](#) - **Spring Web Services** version **v3.0.4.RELEASE**

Affected Vendor/Software: [Spring](#) - **Spring Web Services** version **v2.4.3.RELEASE**

CVSS3 Score: **9.8 - CRITICAL**

| 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>HIGH</b>            | <b>HIGH</b>         | <b>HIGH</b>         |

CVSS2 Score: **7.5 - HIGH**

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

## CVE References

| Description                                                                                                                                                                                                                                                          | Tags                          | Link                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------|
| CVE-2019-3773: Financial Services Analytical Applications Infrastructure (FSAI) versions 2.4.3, 3.0.4, and older unsupported versions of all three projects, were susceptible to XML External Entity Injection (XXE) when receiving XML data from untrusted sources. | <a href="#">CVE-2019-3773</a> | <a href="#">https://www.oracle.com/technetwork/middleware/financial-services-analytical-applications/2538991.pdf</a> |

|                                                                         |                                                                                                                     |                                                                                                                                                                                                             |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Oracle Critical Patch Update Advisory - July 2021                       | <a href="https://www.oracle.com/text/html">www.oracle.com<br/>text/html</a>                                         |  MISC <a href="https://www.oracle.com/security-alerts/cpujul2021.html">www.oracle.com/security-alerts/cpujul2021.html</a>   |
| CVE-2019-3773: XML External Entity Injection (XXE)   Security   Pivotal | <a href="#">Vendor Advisory</a><br><a href="#">pivotal.io</a><br><a href="#">text/html</a>                          |  CONFIRM <a href="https://pivotal.io/security/cve-2019-3773">pivotal.io/security/cve-2019-3773</a>                        |
| Oracle Critical Patch Update Advisory - April 2021                      | <a href="https://www.oracle.com/text/html">www.oracle.com<br/>text/html</a>                                         |  MISC <a href="https://www.oracle.com/security-alerts/cpuApr2021.html">www.oracle.com/security-alerts/cpuApr2021.html</a> |
| Oracle Critical Patch Update Advisory - January 2021                    | <a href="#">Third Party Advisory</a><br><a href="https://www.oracle.com/text/html">www.oracle.com<br/>text/html</a> |  MISC <a href="https://www.oracle.com/security-alerts/cpujan2021.html">www.oracle.com/security-alerts/cpujan2021.html</a> |

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Related QID Numbers

982262 Java (maven) Security Update for org.springframework.ws:spring-xml (GHSA-8222-6fc8-mhvf)

| Known Affected Configurations (CPE V2.3)                                          |                                  |                                                                           |         |        |         |          |
|-----------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------|---------|--------|---------|----------|
| Type                                                                              | Vendor                           | Product                                                                   | Version | Update | Edition | Language |
| Application                                                                       | <a href="#">Oracle</a>           | <a href="#">Financial Services Analytical Applications Infrastructure</a> | All     | All    | All     | All      |
| Application                                                                       | <a href="#">Oracle</a>           | <a href="#">Flexcube Private Banking</a>                                  | 12.0.0  | All    | All     | All      |
| Application                                                                       | <a href="#">Oracle</a>           | <a href="#">Flexcube Private Banking</a>                                  | 12.1.0  | All    | All     | All      |
| Application                                                                       | <a href="#">Pivotal Software</a> | <a href="#">Spring Web Services</a>                                       | All     | All    | All     | All      |
| Application                                                                       | <a href="#">Pivotal Software</a> | <a href="#">Spring Web Services</a>                                       | All     | All    | All     | All      |
| cpe:2.3:a:oracle:financial_services_analytical_applications_infrastructure:*****: |                                  |                                                                           |         |        |         |          |
| cpe:2.3:a:oracle:flexcube_private_banking:12.0.0:*****:                           |                                  |                                                                           |         |        |         |          |
| cpe:2.3:a:oracle:flexcube_private_banking:12.1.0:*****:                           |                                  |                                                                           |         |        |         |          |
| cpe:2.3:a:pivotal_software:spring_web_services:*****:                             |                                  |                                                                           |         |        |         |          |
| cpe:2.3:a:pivotal_software:spring_web_services:*****:                             |                                  |                                                                           |         |        |         |          |

No vendor comments have been submitted for this CVE

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