



# CVE-2016-3589

- MITRE
- NVD
- CVE.ORG
- JSON API
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## Summary

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CVE             | CVE-2016-3589                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| State           | PUBLISHED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Assigner        | oracle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source Priority | CVE Program / NVD first with legacy fallback                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Published       | 2016-07-21 10:14:28 UTC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Updated         | 2026-05-06 22:30:45 UTC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description     | Unspecified vulnerability in the Oracle FLEXCUBE Direct Banking component in Oracle Financial Services Applications 12.1.3.7.0 Patch Set 11 on Oracle Linux x86_64 and Oracle Linux i386 architectures allows an attacker to execute arbitrary code with root privileges via a crafted SOAP request. The vulnerability is due to a buffer overflow in the SOAP parser. A remote attacker can exploit this vulnerability to execute arbitrary code with root privileges on the affected system. Oracle has released a patch for this vulnerability. Users are advised to apply the patch as soon as possible. CVE ID: CVE-2016-3589 |

## Risk And Classification

Primary CVSS: v3.0 6.1 MEDIUM from nvd@nist.gov

CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:C/C:L/I:L/A:N

Problem Types: NVD-CWE-noinfo | n/a

| Version | Source       | Type    | Score | Severity | Vector                                       |
|---------|--------------|---------|-------|----------|----------------------------------------------|
| 3.0     | nvd@nist.gov | Primary | 6.1   | MEDIUM   | CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:C/C:L/I:L/A:N |
| 2.0     | nvd@nist.gov | Primary | 4.3   |          | AV:N/AC:M/Au:N/C:N/I:P/A:N                   |

## CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Changed

Confidentiality

Low

Integrity

Low

Availability

None

CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:C/C:L/I:L/A:N

## CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Medium

Authentication

None

Confidentiality

None

Integrity

Partial

Availability

None

AV:N/AC:M/Au:N/C:N/I:P/A:N

## NVD Known Affected Configurations (CPE 2.3)

| Type        | Vendor | Product                 | Version | Update | Edition | Language |
|-------------|--------|-------------------------|---------|--------|---------|----------|
| Application | Oracle | Flexcube Direct Banking | 12.0.1  | All    | All     | All      |
| Application | Oracle | Flexcube Direct Banking | 12.0.2  | All    | All     | All      |
| Application | Oracle | Flexcube Direct Banking | 12.0.3  | All    | All     | All      |

## Vendor Declared Affected Products

| Source | Vendor | Product | Version      | Platforms     |
|--------|--------|---------|--------------|---------------|
| CNA    | Na     | N/a     | affected n/a | Not specified |

## References

### Reference

Oracle Financial Services Applications Bug in FLEXCUBE Direct Banking Lets Remote Users Partially Access and Modify Data - SecurityTrac

Oracle Critical Patch Update - July 2016

Malformed Request

Oracle July 2016 Critical Patch Update Multiple Vulnerabilities

CVE Program record

NVD vulnerability detail

No vendor comments have been submitted for this CVE.

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

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