



# CVE-2016-9382

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

## Summary

|                        |                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2016-9382                                                                                                         |
| <b>State</b>           | PUBLIC                                                                                                                |
| <b>Assigner</b>        | cve@mitre.org                                                                                                         |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                          |
| <b>Published</b>       | 2017-01-23 21:59:00 UTC                                                                                               |
| <b>Updated</b>         | 2017-07-01 01:30:00 UTC                                                                                               |
| <b>Description</b>     | Xen 4.0.x through 4.7.x mishandle x86 task switches to VM86 mode, which allows local 32-bit x86 HVM guest OS users to |

## Risk And Classification

### Problem Types: CWE-264

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor                 | Product                   | Version | Update | Edition | Language |
|------------------|------------------------|---------------------------|---------|--------|---------|----------|
| Application      | <a href="#">Citrix</a> | <a href="#">Xenserver</a> | 6.0.2   | All    | All     | All      |
| Application      | <a href="#">Citrix</a> | <a href="#">Xenserver</a> | 6.2.0   | All    | All     | All      |
| Application      | <a href="#">Citrix</a> | <a href="#">Xenserver</a> | 6.5     | All    | All     | All      |
| Application      | <a href="#">Citrix</a> | <a href="#">Xenserver</a> | 7.0     | All    | All     | All      |
| Application      | <a href="#">Citrix</a> | <a href="#">Xenserver</a> | 6.0.2   | All    | All     | All      |
| Application      | <a href="#">Citrix</a> | <a href="#">Xenserver</a> | 6.2.0   | All    | All     | All      |
| Application      | <a href="#">Citrix</a> | <a href="#">Xenserver</a> | 6.5     | All    | All     | All      |
| Application      | <a href="#">Citrix</a> | <a href="#">Xenserver</a> | 7.0     | All    | All     | All      |
| Operating System | <a href="#">Xen</a>    | <a href="#">Xen</a>       | 4.0.0   | All    | All     | All      |
| Operating System | <a href="#">Xen</a>    | <a href="#">Xen</a>       | 4.0.1   | All    | All     | All      |
| Operating System | <a href="#">Xen</a>    | <a href="#">Xen</a>       | 4.0.2   | All    | All     | All      |
| Operating System | <a href="#">Xen</a>    | <a href="#">Xen</a>       | 4.0.3   | All    | All     | All      |
| Operating System | <a href="#">Xen</a>    | <a href="#">Xen</a>       | 4.0.4   | All    | All     | All      |
| Operating System | <a href="#">Xen</a>    | <a href="#">Xen</a>       | 4.1.0   | All    | All     | All      |
| Operating System | <a href="#">Xen</a>    | <a href="#">Xen</a>       | 4.1.1   | All    | All     | All      |
| Operating System | <a href="#">Xen</a>    | <a href="#">Xen</a>       | 4.1.2   | All    | All     | All      |
| Operating System | <a href="#">Xen</a>    | <a href="#">Xen</a>       | 4.1.3   | All    | All     | All      |

|                  |                     |                     |         |     |     |     |
|------------------|---------------------|---------------------|---------|-----|-----|-----|
|                  |                     |                     |         |     |     |     |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.1.4   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.1.5   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.1.6.1 | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.2   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.4   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.5   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.3.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.3.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.3.2   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.3.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.3.4   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.4.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.4.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.4.2   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.4.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.4.4   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.5.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.5.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.5.2   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.5.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.5.5   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.6.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.6.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.6.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.6.4   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.7.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.7.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.0.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.0.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.0.2   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.0.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.0.4   | All | All | All |

|                  |                     |                     |         |     |     |     |
|------------------|---------------------|---------------------|---------|-----|-----|-----|
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.1.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.1.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.1.2   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.1.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.1.4   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.1.5   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.1.6.1 | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.2   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.4   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.2.5   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.3.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.3.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.3.2   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.3.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.3.4   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.4.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.4.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.4.2   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.4.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.4.4   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.5.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.5.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.5.2   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.5.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.5.5   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.6.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.6.1   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.6.3   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.6.4   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.7.0   | All | All | All |
| Operating System | <a href="#">Xen</a> | <a href="#">Xen</a> | 4.7.1   | All | All | All |

| Reference                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------|
| Citrix XenServer Multiple Security Updates                                                                                         |
| Xen: Multiple vulnerabilities (GLSA 201612-56) — Gentoo security                                                                   |
| Xen CVE-2016-9382 Privilege Escalation Vulnerability                                                                               |
| XSA-192 - Xen Security Advisories                                                                                                  |
| Xen VM86 Mode Task Switching Bug Lets Local Users on a Guest System Gain Elevated Privileges on the Guest System - SecurityTracker |
| CVE Program record                                                                                                                 |
| NVD vulnerability detail                                                                                                           |
| <div> <div></div> <div></div> </div>                                                                                               |
| No vendor comments have been submitted for this CVE.                                                                               |
|                                                                                                                                    |
| Legacy QID Mappings                                                                                                                |
| <a href="#">500810</a> Alpine Linux Security Update for xen                                                                        |
| <a href="#">504553</a> Alpine Linux Security Update for xen                                                                        |

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