



# CVE-2013-7440

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

## Summary

|                        |                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>CVE</b>             | CVE-2013-7440                                                                                                            |
| <b>State</b>           | PUBLIC                                                                                                                   |
| <b>Assigner</b>        | secalert@redhat.com                                                                                                      |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback                                                                             |
| <b>Published</b>       | 2016-06-07 18:59:00 UTC                                                                                                  |
| <b>Updated</b>         | 2016-11-28 19:10:00 UTC                                                                                                  |
| <b>Description</b>     | The ssl.match_hostname function in CPython (aka Python) before 2.7.9 and 3.x before 3.3.3 does not properly handle wildc |

## Risk And Classification

### Problem Types: CWE-19

## NVD Known Affected Configurations (CPE 2.3)

| Type        | Vendor                 | Product                | Version  | Update | Edition | Language |
|-------------|------------------------|------------------------|----------|--------|---------|----------|
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.0      | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.0.1    | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1      | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.1    | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.2    | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.2150 | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.3    | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.4    | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.5    | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2      | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2      | alpha  | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.0    | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.1    | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.2    | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.2150 | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.3    | All    | All     | All      |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.4    | All    | All     | All      |

|             |                        |                        |          |       |     |     |
|-------------|------------------------|------------------------|----------|-------|-----|-----|
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.5    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.6    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3      | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3      | beta2 | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3.0    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3.1    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3.1    | rc1   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3.2    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.0      | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.0.1    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1      | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.1    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.2    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.2150 | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.3    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.4    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.1.5    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2      | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2      | alpha | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.0    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.1    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.2    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.2150 | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.3    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.4    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.5    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.2.6    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3      | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3      | beta2 | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3.0    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3.1    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3.1    | rc1   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | 3.3.2    | All   | All | All |
| Application | <a href="#">Python</a> | <a href="#">Python</a> | All      | All   | All | All |

| References                                                                                           |         |                                                                   |
|------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------|
| Reference                                                                                            | Source  | Link                                                              |
| cpython: 10d0edadbcdd                                                                                | CONFIRM | <a href="https://hg.python.org">hg.python.org</a>                 |
| oss-sec: Re: CVE request: ssl.match_hostname(): sub string wildcard should not match IDNA prefix     | MLIST   | <a href="https://seclists.org">seclists.org</a>                   |
| Bug 1224999 – CVE-2013-7440 python: wildcard matching rules do not follow RFC 6125                   | CONFIRM | <a href="https://bugzilla.redhat.com">bugzilla.redhat.com</a>     |
| Issue 17997: ssl.match_hostname(): sub string wildcard should not match IDNA prefix - Python tracker | CONFIRM | <a href="https://bugs.python.org">bugs.python.org</a>             |
| Red Hat Customer Portal                                                                              | REDHAT  | <a href="https://access.redhat.com">access.redhat.com</a>         |
| oss-sec: CVE request: ssl.match_hostname(): sub string wildcard should not match IDNA prefix         | MLIST   | <a href="https://seclists.org">seclists.org</a>                   |
| Python 'ssl.match_hostname()' Function Security Bypass Vulnerability                                 | BID     | <a href="https://www.securityfocus.com">www.securityfocus.com</a> |
| CVE Program record                                                                                   | CVE.ORG | <a href="https://www.cve.org">www.cve.org</a>                     |
| NVD vulnerability detail                                                                             | NVD     | <a href="https://nvd.nist.gov">nvd.nist.gov</a>                   |
| <div> <div></div> <div></div> </div>                                                                 |         |                                                                   |
| No vendor comments have been submitted for this CVE.                                                 |         |                                                                   |
| There are currently no legacy QID mappings associated with this CVE.                                 |         |                                                                   |

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