



# CVE-2016-5672

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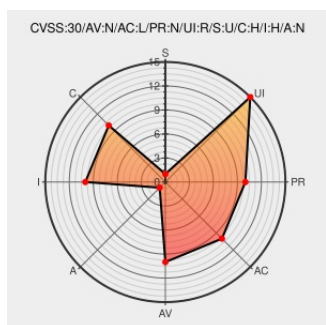
## CVE-2016-5672

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Crosswalk](#) from [Intel](#) contain the following vulnerability:

Intel Crosswalk before 19.49.514.5, 20.x before 20.50.533.11, 21.x before 21.51.546.0, and 22.x before 22.51.549.0 interprets a user's acceptance of one invalid X.509 certificate to mean that all invalid X.509 certificates should be accepted without prompting, which makes it easier for man-in-the-middle attackers to spoof SSL servers and obtain sensitive information via a crafted certificate.

CVE-2016-5672 has been assigned by cert@cert.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.1 - HIGH**

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

CVSS2 Score: **5.8 - MEDIUM**

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

## CVE References

| Description                                           | Tags                                                                          | Link                                                                                                            |
|-------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Intel   Data Center Solutions, IoT, and PC Innovation | <a href="#">Permissions Required</a><br><a href="#">Technical Description</a> | <a href="https://crosswalk-project.org/jira/browse/XWALK-6986">crosswalk-project.org/jira/browse/XWALK-6986</a> |

|                                                                                                                  |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                  | <a href="https://crosswalk-project.org/text/html">crosswalk-project.org</a><br><a href="#">text/html</a>                                                                          |                                                                                                                                                                                                                                                                                                           |
| SecurityFocus                                                                                                    | <a href="https://www.securityfocus.com/text/html">www.securityfocus.com</a><br><a href="#">text/html</a>                                                                          |  <a href="#">BUGTRAQ 20160729 CVE-2016-5672: Intel Crosswalk SSL Prompt Issue</a>                                                                                                                                        |
| Intel Crosswalk Project Man-In-The-Middle ~ Packet Storm                                                         | <a href="#">Third Party Advisory</a><br><a href="#">VDB Entry</a><br><a href="https://packetstormsecurity.com/text/html">packetstormsecurity.com</a><br><a href="#">text/html</a> |  <a href="#">MISC packetstormsecurity.com/files/138107/Intel-Crosswalk-Project-Man-In-The-Middle.html</a>                                                                                                                |
| <b>No Description Provided</b>                                                                                   | <a href="#">Vendor Advisory</a><br><a href="https://lists.crosswalk-project.org">lists.crosswalk-project.org</a><br><br><b>Inactive Link</b> <b>Not Archived</b>                  |  <a href="#">MLIST [crosswalk-help] 20160728 Crosswalk Security Advisory</a>                                                                                                                                             |
| Intel Crosswalk CVE-2016-5672 SSL Certificate Validation Security Bypass Vulnerability                           | <a href="#">Third Party Advisory</a><br><a href="#">VDB Entry</a><br><a href="#">cve.report (archive)</a><br><a href="#">text/html</a>                                            |  <a href="#">BID 92199</a>                                                                                                                                                                                               |
| Vulnerability Note VU#217871 - Intel CrossWalk project does not validate SSL certificates after first acceptance | <a href="#">Third Party Advisory</a><br><a href="#">US Government Resource</a><br><a href="https://www.kb.cert.org/text/html">www.kb.cert.org</a><br><a href="#">text/html</a>    |  <a href="#">CERT-VN VU#217871</a>                                                                                                                                                                                       |
| Advisory: Intel Crosswalk SSL Prompt Issue [CVE 2016-5672]   Nightwatch Cybersecurity                            | <a href="#">Third Party Advisory</a><br><a href="https://www.nightwatchcybersecurity.com/text/html">www.nightwatchcybersecurity.com</a><br><a href="#">text/html</a>              |  <a href="#">MISC</a><br><a href="https://www.nightwatchcybersecurity.com/2016/07/29/advisory-intel-crosswalk-ssl-prompt-issue">www.nightwatchcybersecurity.com/2016/07/29/advisory-intel-crosswalk-ssl-prompt-issue</a> |
| Crosswalk security vulnerability - Intel Software and Services                                                   | <a href="#">Vendor Advisory</a><br><a href="https://blogs.intel.com/text/html">blogs.intel.com</a><br><a href="#">text/html</a>                                                   |  <a href="#">CONFIRM</a><br><a href="https://blogs.intel.com/evangelists/2016/07/28/crosswalk-security-vulnerability/">blogs.intel.com/evangelists/2016/07/28/crosswalk-security-vulnerability/</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                            | Intel  | Crosswalk | All     | All    | All     | All      |
| cpe:2.3:a:intel:crosswalk:*:*:*:*:*:*: |        |           |         |        |         |          |

No vendor comments have been submitted for this CVE

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