



CVE-2017-6747

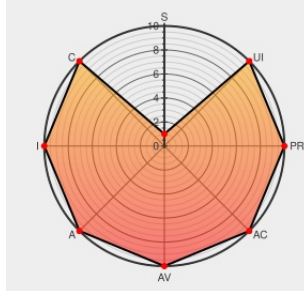
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CVE-2017-6747

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:30/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H



Certain versions of [Identity Services Engine](#) from [Cisco](#) contain the following vulnerability:

A vulnerability in the authentication module of Cisco Identity Services Engine (ISE) could allow an unauthenticated, remote attacker to bypass local authentication. The vulnerability is due to improper handling of authentication requests and policy assignment for externally authenticated users. An attacker could exploit this

vulnerability by authenticating with a valid external user account that matches an internal username and incorrectly receiving the authorization policy of the internal account. An exploit could allow the attacker to have Super Admin privileges for the ISE Admin portal. This vulnerability does not affect endpoints authenticating to the ISE. The vulnerability affects Cisco ISE, Cisco ISE Express, and Cisco ISE Virtual Appliance running Release 1.3, 1.4, 2.0.0, 2.0.1, or 2.1.0. Release 2.2.x is not affected. Cisco Bug IDs: CSCvb10995.

CVE-2017-6747 has been assigned by [psirt@cisco.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **7.5 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
Cisco Identity Services Engine Authentication Bypass Vulnerability	Vendor Advisory tools.cisco.com text/html	CONFIRM tools.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-20170802-ise
Cisco Identity Services Engine Authentication Module Bug Lets Remote Users Bypass Authentication on the Target System - SecurityTracker	Third Party Advisory VDB Entry www.securitytracker.com text/html	SECTrack 1039054

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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	Cisco	Identity Services Engine	1.3(0.722)	All	All	All
Application	Cisco	Identity Services Engine	1.3(0.876)	All	All	All
Application	Cisco	Identity Services Engine	1.3(0.909)	All	All	All
Application	Cisco	Identity Services Engine	1.3(106.146)	All	All	All
Application	Cisco	Identity Services Engine	1.3(120.135)	All	All	All
Application	Cisco	Identity Services Engine	1.3\0.722\	All	All	All
Application	Cisco	Identity Services Engine	1.3\0.876\	All	All	All
Application	Cisco	Identity Services Engine	1.3\0.909\	All	All	All
Application	Cisco	Identity Services Engine	1.3\106.146\	All	All	All
Application	Cisco	Identity Services Engine	1.3\120.135\	All	All	All
Application	Cisco	Identity Services Engine	1.4(0.109)	All	All	All
Application	Cisco	Identity Services Engine	1.4(0.181)	All	All	All
Application	Cisco	Identity Services Engine	1.4(0.253)	All	All	All
Application	Cisco	Identity Services Engine	1.4(0.908)	All	All	All
Application	Cisco	Identity Services Engine	1.4\0.109\	All	All	All
Application	Cisco	Identity Services Engine	1.4\0.181\	All	All	All
Application	Cisco	Identity Services Engine	1.4\0.253\	All	All	All
Application	Cisco	Identity Services Engine	1.4\0.908\	All	All	All
Application	Cisco	Identity Services Engine	2.0(0.147)	All	All	All
Application	Cisco	Identity Services Engine	2.0(0.169)	All	All	All

Application	Cisco	Identity Services Engine	2.0(0.222)	All	All	All
Application	Cisco	Identity Services Engine	2.0(1.130)	All	All	All
Application	Cisco	Identity Services Engine	2.0\0.147\)	All	All	All
Application	Cisco	Identity Services Engine	2.0\0.169\)	All	All	All
Application	Cisco	Identity Services Engine	2.0\0.222\)	All	All	All
Application	Cisco	Identity Services Engine	2.0(1.130\)	All	All	All
Application	Cisco	Identity Services Engine	2.0_base	All	All	All
Application	Cisco	Identity Services Engine	2.1(0.474)	All	All	All
Application	Cisco	Identity Services Engine	2.1(0.800)	All	All	All
Application	Cisco	Identity Services Engine	2.1(102.101)	All	All	All
Application	Cisco	Identity Services Engine	2.1\0.474\)	All	All	All
Application	Cisco	Identity Services Engine	2.1\0.800\)	All	All	All
Application	Cisco	Identity Services Engine	2.1\102.101\)	All	All	All
Application	Cisco	Identity Services Engine	2.1_base	All	All	All
Application	Cisco	Identity Services Engine	1.3\0.722\)	All	All	All
Application	Cisco	Identity Services Engine	1.3\0.876\)	All	All	All
Application	Cisco	Identity Services Engine	1.3\0.909\)	All	All	All
Application	Cisco	Identity Services Engine	1.3\106.146\)	All	All	All
Application	Cisco	Identity Services Engine	1.3\120.135\)	All	All	All
Application	Cisco	Identity Services Engine	1.4\0.109\)	All	All	All
Application	Cisco	Identity Services Engine	1.4\0.181\)	All	All	All
Application	Cisco	Identity Services Engine	1.4\0.253\)	All	All	All
Application	Cisco	Identity Services Engine	1.4\0.908\)	All	All	All
Application	Cisco	Identity Services Engine	2.0\0.147\)	All	All	All
Application	Cisco	Identity Services Engine	2.0\0.169\)	All	All	All
Application	Cisco	Identity Services Engine	2.0\0.222\)	All	All	All
Application	Cisco	Identity Services Engine	2.0(1.130\)	All	All	All
Application	Cisco	Identity Services Engine	2.0_base	All	All	All
Application	Cisco	Identity Services Engine	2.1\0.474\)	All	All	All
Application	Cisco	Identity Services Engine	2.1\0.800\)	All	All	All
Application	Cisco	Identity Services Engine	2.1\102.101\)	All	All	All
Application	Cisco	Identity Services Engine	2.1_base	All	All	All
cpe:2.3:a:cisco:identity_services_engine:1.3(0.722):*:~::~~::~:						
cpe:2.3:a:cisco:identity_services_engine:1.3(0.876):*:~::~~::~:						
cpe:2.3:a:cisco:identity_services_engine:1.3(0.909):*:~::~~::~:						

cpe:2.3:a:cisco:identity_services_engine:1.3(106.146):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:1.3(120.135):*:~::~~::~~::~~::~~::~~::~~:::
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cpe:2.3:a:cisco:identity_services_engine:1.3(0.876):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:1.3(0.909):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:1.3(106.146):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:1.3(120.135):*:~::~~::~~::~~::~~::~~::~~:::
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cpe:2.3:a:cisco:identity_services_engine:1.4(0.181):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:1.4(0.253):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:1.4(0.908):*:~::~~::~~::~~::~~::~~::~~:::
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cpe:2.3:a:cisco:identity_services_engine:1.4(0.908):*:~::~~::~~::~~::~~::~~::~~:::
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cpe:2.3:a:cisco:identity_services_engine:2.0(0.169):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:2.0(0.222):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:2.0(1.130):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:2.0(0.147):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:2.0(0.169):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:2.0(0.222):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:2.0(1.130):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:2.0_base:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:2.1(0.474):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:2.1(0.800):*:~::~~::~~::~~::~~::~~::~~:::
cpe:2.3:a:cisco:identity_services_engine:2.1(102.101):*:~::~~::~~::~~::~~::~~::~~:::
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cpe:2.3:a:cisco:identity_services_engine:1.3\0.722\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:1.3\0.876\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:1.3\0.909\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:1.3\106.146\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:1.3\120.135\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:1.4\0.109\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:1.4\0.181\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:1.4\0.253\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:1.4\0.908\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:2.0\0.147\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:2.0\0.169\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:2.0\0.222\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:2.0\1.130\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:2.0_base:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:2.1\0.474\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:2.1\0.800\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:2.1\102.101\:::~::~~::
cpe:2.3:a:cisco:identity_services_engine:2.1_base:::~::~~::

No vendor comments have been submitted for this CVE

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