



# CVE-2018-0158

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2018-0158
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@cisco.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2018-03-28 22:29:00 UTC
<b>Updated</b>	2019-10-09 23:31:00 UTC
<b>Description</b>	A vulnerability in the Internet Key Exchange Version 2 (IKEv2) module of Cisco IOS Software and Cisco IOS XE Software c

## Risk And Classification

**EPSS:** 0.145580000 probability, percentile 0.944330000 (date 2026-04-02)

**CISA KEV:** Listed on 2022-03-03; due 2022-03-17; ransomware use Unknown

**Problem Types:** CWE-772

## CISA Known Exploited Vulnerability

<b>Vendor</b>	Cisco
<b>Product</b>	IOS Software and Cisco IOS XE Software
<b>Name</b>	Cisco IOS and XE Software Internet Key Exchange Memory Leak Vulnerability
<b>Required Action</b>	Apply updates per vendor instructions.
<b>Notes</b>	<a href="https://nvd.nist.gov/vuln/detail/CVE-2018-0158">https://nvd.nist.gov/vuln/detail/CVE-2018-0158</a>

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Cisco	Asr 1001-hx	-	All	All	All
Hardware	Cisco	Asr 1001-hx	-	All	All	All
Hardware	Cisco	Asr 1001-x	-	All	All	All
Hardware	Cisco	Asr 1001-x	-	All	All	All
Hardware	Cisco	Asr 1002-hx	-	All	All	All
Hardware	Cisco	Asr 1002-hx	-	All	All	All
Hardware	Cisco	Asr 1002-x	-	All	All	All
Hardware	Cisco	Asr 1002-x	-	All	All	All

Hardware	Cisco	Asr 1004	-	All	All	All
Hardware	Cisco	Asr 1004	-	All	All	All
Hardware	Cisco	Asr 1006	-	All	All	All
Hardware	Cisco	Asr 1006	-	All	All	All
Hardware	Cisco	Asr 1006-x	-	All	All	All
Hardware	Cisco	Asr 1006-x	-	All	All	All
Hardware	Cisco	Asr 1009-x	-	All	All	All
Hardware	Cisco	Asr 1009-x	-	All	All	All
Hardware	Cisco	Asr 1013	-	All	All	All
Hardware	Cisco	Asr 1013	-	All	All	All
Operating System	Cisco	ios	15.5(3)s1.1	All	All	All
Operating System	Cisco	ios	15.5(3)s1.10	All	All	All
Operating System	Cisco	ios	15.5(3)s1.11	All	All	All
Operating System	Cisco	ios	15.5(3)s1.12	All	All	All
Operating System	Cisco	ios	15.5(3)s1.2	All	All	All
Operating System	Cisco	ios	15.5(3)s1.4	All	All	All
Operating System	Cisco	ios	15.5(3)s1.5	All	All	All
Operating System	Cisco	ios	15.5(3)s1.7	All	All	All
Operating System	Cisco	ios	15.5(3)s1.8	All	All	All
Operating System	Cisco	ios	15.5(3)s1.9	All	All	All
Operating System	Cisco	ios	15.5(3)s1.1	All	All	All
Operating System	Cisco	ios	15.5(3)s1.10	All	All	All
Operating System	Cisco	ios	15.5(3)s1.11	All	All	All
Operating System	Cisco	ios	15.5(3)s1.12	All	All	All
Operating System	Cisco	ios	15.5(3)s1.2	All	All	All
Operating System	Cisco	ios	15.5(3)s1.4	All	All	All
Operating System	Cisco	ios	15.5(3)s1.5	All	All	All
Operating System	Cisco	ios	15.5(3)s1.7	All	All	All
Operating System	Cisco	ios	15.5(3)s1.8	All	All	All
Operating System	Cisco	ios	15.5(3)s1.9	All	All	All
Operating System	Cisco	ios	15.5(3)s1.1	All	All	All
Operating System	Cisco	ios	15.5(3)s1.10	All	All	All
Operating System	Cisco	ios	15.5(3)s1.11	All	All	All
Operating System	Cisco	ios	15.5(3)s1.12	All	All	All
Operating System	Cisco	ios	15.5(3)s1.2	All	All	All



Hardware	<a href="#">Rockwellautomation</a>	<a href="#">Allen-bradley Stratix 5900</a>	-	All	All	All
Hardware	<a href="#">Rockwellautomation</a>	<a href="#">Allen-bradley Stratix 5900</a>	-	All	All	All

## References

Reference	Source	Link
Rockwell Automation Stratix and ArmorStratix Switches   CISA	MISC	<a href="#">ics-cert.us</a>
Cisco IOS and IOS XE Software Internet Key Exchange CVE-2018-0158 Denial of Service Vulnerability	BID	<a href="#">www.secu</a>
Cisco IOS and IOS XE Software Internet Key Exchange Memory Leak Vulnerability	CONFIRM	<a href="#">tools.cisc</a>
Rockwell Automation Stratix Services Router   CISA	MISC	<a href="#">ics-cert.us</a>
Cisco IOS/IOS XE IKE Processing Flaws Let Remote Users Cause the Target System to Reload - SecurityTracker	SECTRACK	<a href="#">www.secu</a>
CVE Program record	CVE.ORG	<a href="#">www.cve.</a>
NVD vulnerability detail	NVD	<a href="#">nvd.nist.g</a>
CISA Known Exploited Vulnerabilities catalog	CISA	<a href="#">www.cisa</a>

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[590338](#) Rockwell Automation Stratix and ArmorStratix Switches Multiple Vulnerabilities (ICSA-18-107-04)

[590343](#) Rockwell Automation Stratix Services Router Multiple Vulnerabilities (ICSA-18-107-03)

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