

Cisco IOS XE® Autonomic Networking Infrastructure Routing Protocol for Low-Power and Lossy Networks®



Product ID : Cisco-SA-20141010-CVE-2014-3405

[CVE-2014-3405](#)

Published : 2014-10-10 20:53

Version : 1.0 : Final

CVSS : [4.8](#)

Workarounds : No Workarounds available

Cisco Bug ID : [CSCuq22673](#)

Summary

Details

Cisco IOS XE® Low-Power and Lossy Networks(RPL) IP address resolution in the Control Plane(ACP) can be exploited to cause a denial of service (DoS) attack. The attacker can send a large number of RPL advertisements with invalid IP addresses to the RPL infrastructure. This causes the RPL infrastructure to perform a large number of IP address resolution requests, which can exhaust the system resources and cause a DoS attack.

Impact

The impact of this vulnerability is a Denial of Service (DoS) attack. The attacker can cause the RPL infrastructure to become unresponsive, which can affect the network connectivity.

Workarounds

There are no workarounds available for this vulnerability.

References

For more information, see the following references:
Bug ID [CSCuq22673](#)

Additional Information

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URL

<https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/Cisco-SA-20141010-CVE-2014-3405>

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翻訳について

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