



CVE-2012-6051

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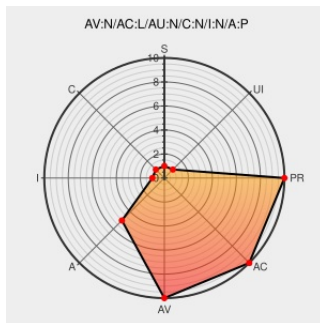
CVE-2012-6051

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Cityhash](#) from [Google](#) contain the following vulnerability:

Google CityHash computes hash values without properly restricting the ability to trigger hash collisions predictably, which allows context-dependent attackers to cause a denial of service (CPU consumption) via crafted input to an application that maintains a hash table, as demonstrated by a universal multicollision attack.

CVE-2012-6051 has been assigned by [M](#) cve@mitre.org to track the vulnerability

CVSS2 Score: **5 - MEDIUM**

Access
Vector

Access
Complexity

Authentication

NETWORK

LOW

NONE

Confidentiality
Impact

Integrity
Impact

Availability
Impact

NONE

NONE

PARTIAL

CVE References

Description

Tags

Link

NEWS - cityhash - The CityHash family of hash functions - Google Project Hosting

[code.google.com](#)
[text/html](#)

MISC
code.google.com/p/cityhash/source/browse/trunk/NEWS

Jean-Philippe Aumasson

[www.131002.net](#)
[application/pdf](#)

MISC www.131002.net/data/talks/appsec12_slides.pdf

WordPress.com

[asfws12.files.wordpress.com](#)
[application/pdf](#)
Inactive Link **Not Archived**

MISC asfws12.files.wordpress.com/2012/11/asfws2012-jean_philippe_aumasson-martin_bosslet-hash_flooding_dos_reloaded.pdf

7-8 Novembre – Conférences | Application Security Forum – Western Switzerland 2012

[2012.appsec-forum.ch](#)
[text/html](#)

MISC 2012.appsec-forum.ch/conferences/#c17

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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	Google	Cityhash	-	All	All	All
Application	Google	Cityhash	-	All	All	All
cpe:2.3:a:google:cityhash:-:*:*:*:*:*:						
cpe:2.3:a:google:cityhash:-:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

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