



CVE-2016-4537

- MITRE
- NVD
- CVE.ORG
- JSON API
- Print: PDF

Summary

CVE	CVE-2016-4537
State	PUBLISHED
Assigner	debian
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-05-22 01:59:21 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The bcpowmod function in ext/bcmath/bcmath.c in PHP before 5.5.35, 5.6.x before 5.6.21, and 7.x before 7.0.6 accepts a n

Risk And Classification

Primary CVSS: v3.0 9.8 CRITICAL from nvd@nist.gov

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

Problem Types: CWE-20 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	9.8	CRITICAL	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	7.5		AV:N/AC:L/Au:N/C:P/I:P/A:P

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

AV:N/AC:L/Au:N/C:P/I:P/A:P

NVD Known Affected Configurations (CPE 2.3)						
Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	24	All	All	All
Operating System	Opensuse	Leap	42.1	All	All	All
Application	Php	Php	5.6.0	All	All	All
Application	Php	Php	5.6.1	All	All	All
Application	Php	Php	5.6.10	All	All	All
Application	Php	Php	5.6.11	All	All	All
Application	Php	Php	5.6.12	All	All	All
Application	Php	Php	5.6.13	All	All	All
Application	Php	Php	5.6.14	All	All	All
Application	Php	Php	5.6.15	All	All	All
Application	Php	Php	5.6.16	All	All	All
Application	Php	Php	5.6.17	All	All	All
Application	Php	Php	5.6.18	All	All	All
Application	Php	Php	5.6.19	All	All	All
Application	Php	Php	5.6.2	All	All	All
Application	Php	Php	5.6.20	All	All	All
Application	Php	Php	5.6.3	All	All	All

Application	Php	Php	5.6.4	All	All	All
Application	Php	Php	5.6.5	All	All	All
Application	Php	Php	5.6.6	All	All	All
Application	Php	Php	5.6.7	All	All	All
Application	Php	Php	5.6.8	All	All	All
Application	Php	Php	5.6.9	All	All	All
Application	Php	Php	7.0.0	All	All	All
Application	Php	Php	7.0.1	All	All	All
Application	Php	Php	7.0.2	All	All	All
Application	Php	Php	7.0.3	All	All	All
Application	Php	Php	7.0.4	All	All	All
Application	Php	Php	7.0.5	All	All	All
Application	Php	Php	All	All	All	All

Vendor Declared Affected Products						
Source	Vendor	Product	Version	Platforms		
CNA	Na	N/a	affected n/a	Not specified		

References						
Reference			Source		Link	
208.43.231.11 Git - php-src.git/commit			af854a3a-2127-422b-91ae-364da2661108		git	
PHP 'bcmath.c' Multiple Local Heap Overflow Vulnerabilities			af854a3a-2127-422b-91ae-364da2661108		wv	
Document Display HPE Support Center			af854a3a-2127-422b-91ae-364da2661108		h2	
PHP :: Sec Bug #72093 :: bcpowmod accepts negative scale and corrupts _one_ definition			af854a3a-2127-422b-91ae-364da2661108		bu	
PHP: Multiple vulnerabilities (GLSA 201611-22) — Gentoo security			af854a3a-2127-422b-91ae-364da2661108		se	
oss-security - CVE Request: PHP: several issues fixed with 7.0.6, 5.6.21 and 5.5.35			af854a3a-2127-422b-91ae-364da2661108		wv	
Document Display HPE Support Center			af854a3a-2127-422b-91ae-364da2661108		h2	
openSUSE-SU-2016:1357-1: moderate: Security update for php5			af854a3a-2127-422b-91ae-364da2661108		list	
PHP: PHP 7 ChangeLog			af854a3a-2127-422b-91ae-364da2661108		ph	
[SECURITY] Fedora 24 Update: php-5.6.21-1.fc24			af854a3a-2127-422b-91ae-364da2661108		list	
Document Display HPE Support Center			af854a3a-2127-422b-91ae-364da2661108		h2	
Debian -- Security Information -- DSA-3602-1 php5			af854a3a-2127-422b-91ae-364da2661108		wv	
openSUSE-SU-2016:1524-1: moderate: Security update for php5			af854a3a-2127-422b-91ae-364da2661108		list	
Red Hat Customer Portal			af854a3a-2127-422b-91ae-364da2661108		rhr	
PHP: PHP 5 ChangeLog			af854a3a-2127-422b-91ae-364da2661108		ph	
208.43.231.11 Git - php-src.git/commit			MITRE		git	

CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov
No vendor comments have been submitted for this CVE.		
There are currently no legacy QID mappings associated with this CVE.		

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