



CVE-2015-0820

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

Summary

CVE	CVE-2015-0820
State	PUBLISHED
Assigner	mozilla
Source Priority	CVE Program / NVD first with legacy fallback
Published	2015-02-25 11:59:01 UTC
Updated	2026-05-06 22:30:45 UTC
Description	Mozilla Firefox before 36.0 does not properly restrict transitions of JavaScript objects from a non-extensible state to an extensible state, which allows attackers to bypass same-origin policy (SOP) and execute arbitrary code via crafted JavaScript.

Risk And Classification

Primary CVSS: v2.0 2.6 from nvd@nist.gov

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

Problem Types: CWE-284 | n/a

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

High

Authentication

None

Confidentiality

None

Integrity

Partial

Availability

None

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All

Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.10	All	All	All
Application	Mozilla	Firefox	0.1	All	All	All
Application	Mozilla	Firefox	0.10	All	All	All
Application	Mozilla	Firefox	0.10.1	All	All	All
Application	Mozilla	Firefox	0.2	All	All	All
Application	Mozilla	Firefox	0.3	All	All	All
Application	Mozilla	Firefox	0.4	All	All	All
Application	Mozilla	Firefox	0.5	All	All	All
Application	Mozilla	Firefox	0.6	All	All	All
Application	Mozilla	Firefox	0.6.1	All	All	All
Application	Mozilla	Firefox	0.7	All	All	All
Application	Mozilla	Firefox	0.7.1	All	All	All
Application	Mozilla	Firefox	0.8	All	All	All
Application	Mozilla	Firefox	0.9	All	All	All
Application	Mozilla	Firefox	0.9	rc	All	All
Application	Mozilla	Firefox	0.9.1	All	All	All
Application	Mozilla	Firefox	0.9.2	All	All	All
Application	Mozilla	Firefox	0.9.3	All	All	All
Application	Mozilla	Firefox	1.0	All	All	All
Application	Mozilla	Firefox	1.0	preview_release	All	All
Application	Mozilla	Firefox	1.0.1	All	All	All
Application	Mozilla	Firefox	1.0.2	All	All	All
Application	Mozilla	Firefox	1.0.3	All	All	All
Application	Mozilla	Firefox	1.0.4	All	All	All
Application	Mozilla	Firefox	1.0.5	All	All	All
Application	Mozilla	Firefox	1.0.6	All	All	All
Application	Mozilla	Firefox	1.0.7	All	All	All
Application	Mozilla	Firefox	1.0.8	All	All	All
Application	Mozilla	Firefox	1.4.1	All	All	All
Application	Mozilla	Firefox	1.5	All	All	All
Application	Mozilla	Firefox	1.5	beta1	All	All
Application	Mozilla	Firefox	1.5	beta2	All	All
Application	Mozilla	Firefox	1.5.0.1	All	All	All
Application	Mozilla	Firefox	1.5.0.10	All	All	All
Application	Mozilla	Firefox	1.5.0.11	All	All	All

Application	Mozilla	Firefox	1.5.0.12	All	All	All
Application	Mozilla	Firefox	1.5.0.2	All	All	All
Application	Mozilla	Firefox	1.5.0.3	All	All	All
Application	Mozilla	Firefox	1.5.0.4	All	All	All
Application	Mozilla	Firefox	1.5.0.5	All	All	All
Application	Mozilla	Firefox	1.5.0.6	All	All	All
Application	Mozilla	Firefox	1.5.0.7	All	All	All
Application	Mozilla	Firefox	1.5.0.8	All	All	All
Application	Mozilla	Firefox	1.5.0.9	All	All	All
Application	Mozilla	Firefox	1.5.1	All	All	All
Application	Mozilla	Firefox	1.5.2	All	All	All
Application	Mozilla	Firefox	1.5.3	All	All	All
Application	Mozilla	Firefox	1.5.4	All	All	All
Application	Mozilla	Firefox	1.5.5	All	All	All
Application	Mozilla	Firefox	1.5.6	All	All	All
Application	Mozilla	Firefox	1.5.7	All	All	All
Application	Mozilla	Firefox	1.5.8	All	All	All
Application	Mozilla	Firefox	1.8	All	All	All
Application	Mozilla	Firefox	10.0	All	All	All
Application	Mozilla	Firefox	10.0.1	All	All	All
Application	Mozilla	Firefox	10.0.10	All	All	All
Application	Mozilla	Firefox	10.0.11	All	All	All
Application	Mozilla	Firefox	10.0.12	All	All	All
Application	Mozilla	Firefox	10.0.2	All	All	All
Application	Mozilla	Firefox	10.0.3	All	All	All
Application	Mozilla	Firefox	10.0.4	All	All	All
Application	Mozilla	Firefox	10.0.5	All	All	All
Application	Mozilla	Firefox	10.0.6	All	All	All
Application	Mozilla	Firefox	10.0.7	All	All	All
Application	Mozilla	Firefox	10.0.8	All	All	All
Application	Mozilla	Firefox	10.0.9	All	All	All
Application	Mozilla	Firefox	11.0	All	All	All
Application	Mozilla	Firefox	12.0	All	All	All
Application	Mozilla	Firefox	12.0	beta6	All	All
Application	Mozilla	Firefox	13.0	All	All	All

Application	Mozilla	Firefox	13.0.1	All	All	All
Application	Mozilla	Firefox	14.0	All	All	All
Application	Mozilla	Firefox	14.0.1	All	All	All
Application	Mozilla	Firefox	15.0	All	All	All
Application	Mozilla	Firefox	15.0.1	All	All	All
Application	Mozilla	Firefox	16.0	All	All	All
Application	Mozilla	Firefox	16.0.1	All	All	All
Application	Mozilla	Firefox	16.0.2	All	All	All
Application	Mozilla	Firefox	17.0	All	All	All
Application	Mozilla	Firefox	17.0.1	All	All	All
Application	Mozilla	Firefox	17.0.10	All	All	All
Application	Mozilla	Firefox	17.0.11	All	All	All
Application	Mozilla	Firefox	17.0.2	All	All	All
Application	Mozilla	Firefox	17.0.3	All	All	All
Application	Mozilla	Firefox	17.0.4	All	All	All
Application	Mozilla	Firefox	17.0.5	All	All	All
Application	Mozilla	Firefox	17.0.6	All	All	All
Application	Mozilla	Firefox	17.0.7	All	All	All
Application	Mozilla	Firefox	17.0.8	All	All	All
Application	Mozilla	Firefox	17.0.9	All	All	All
Application	Mozilla	Firefox	18.0	All	All	All
Application	Mozilla	Firefox	18.0.1	All	All	All
Application	Mozilla	Firefox	18.0.2	All	All	All
Application	Mozilla	Firefox	19.0	All	All	All
Application	Mozilla	Firefox	19.0.1	All	All	All
Application	Mozilla	Firefox	19.0.2	All	All	All
Application	Mozilla	Firefox	2.0	All	All	All
Application	Mozilla	Firefox	2.0.0.1	All	All	All
Application	Mozilla	Firefox	2.0.0.10	All	All	All
Application	Mozilla	Firefox	2.0.0.11	All	All	All
Application	Mozilla	Firefox	2.0.0.12	All	All	All
Application	Mozilla	Firefox	2.0.0.13	All	All	All
Application	Mozilla	Firefox	2.0.0.14	All	All	All
Application	Mozilla	Firefox	2.0.0.15	All	All	All
Application	Mozilla	Firefox	2.0.0.16	All	All	All
Application	Mozilla	Firefox	2.0.0.17	All	All	All

Application	Mozilla	Firefox	2.0.0.17	All	All	All
Application	Mozilla	Firefox	2.0.0.18	All	All	All
Application	Mozilla	Firefox	2.0.0.19	All	All	All
Application	Mozilla	Firefox	2.0.0.2	All	All	All
Application	Mozilla	Firefox	2.0.0.20	All	All	All
Application	Mozilla	Firefox	2.0.0.3	All	All	All
Application	Mozilla	Firefox	2.0.0.4	All	All	All
Application	Mozilla	Firefox	2.0.0.5	All	All	All
Application	Mozilla	Firefox	2.0.0.6	All	All	All
Application	Mozilla	Firefox	2.0.0.7	All	All	All
Application	Mozilla	Firefox	2.0.0.8	All	All	All
Application	Mozilla	Firefox	2.0.0.9	All	All	All
Application	Mozilla	Firefox	20.0	All	All	All
Application	Mozilla	Firefox	20.0.1	All	All	All
Application	Mozilla	Firefox	21.0	All	All	All
Application	Mozilla	Firefox	22.0	All	All	All
Application	Mozilla	Firefox	23.0	All	All	All
Application	Mozilla	Firefox	23.0.1	All	All	All
Application	Mozilla	Firefox	24.0	All	All	All
Application	Mozilla	Firefox	24.1	All	All	All
Application	Mozilla	Firefox	24.1.1	All	All	All
Application	Mozilla	Firefox	25.0	All	All	All
Application	Mozilla	Firefox	25.0.1	All	All	All
Application	Mozilla	Firefox	26.0	All	All	All
Application	Mozilla	Firefox	27.0	All	All	All
Application	Mozilla	Firefox	27.0.1	All	All	All
Application	Mozilla	Firefox	28.0	All	All	All
Application	Mozilla	Firefox	29.0	All	All	All
Application	Mozilla	Firefox	29.0.1	All	All	All
Application	Mozilla	Firefox	3.0	All	All	All
Application	Mozilla	Firefox	3.0.1	All	All	All
Application	Mozilla	Firefox	3.0.10	All	All	All
Application	Mozilla	Firefox	3.0.11	All	All	All
Application	Mozilla	Firefox	3.0.12	All	All	All
Application	Mozilla	Firefox	3.0.13	All	All	All
Application	Mozilla	Firefox	3.0.14	All	All	All

Application	Mozilla	Firefox	3.0.15	All	All	All
Application	Mozilla	Firefox	3.0.16	All	All	All
Application	Mozilla	Firefox	3.0.17	All	All	All
Application	Mozilla	Firefox	3.0.18	All	All	All
Application	Mozilla	Firefox	3.0.19	All	All	All
Application	Mozilla	Firefox	3.0.2	All	All	All
Application	Mozilla	Firefox	3.0.3	All	All	All
Application	Mozilla	Firefox	3.0.4	All	All	All
Application	Mozilla	Firefox	3.0.5	All	All	All
Application	Mozilla	Firefox	3.0.6	All	All	All
Application	Mozilla	Firefox	3.0.7	All	All	All
Application	Mozilla	Firefox	3.0.8	All	All	All
Application	Mozilla	Firefox	3.0.9	All	All	All
Application	Mozilla	Firefox	3.5	All	All	All
Application	Mozilla	Firefox	3.5.1	All	All	All
Application	Mozilla	Firefox	3.5.10	All	All	All
Application	Mozilla	Firefox	3.5.11	All	All	All
Application	Mozilla	Firefox	3.5.12	All	All	All
Application	Mozilla	Firefox	3.5.13	All	All	All
Application	Mozilla	Firefox	3.5.14	All	All	All
Application	Mozilla	Firefox	3.5.15	All	All	All
Application	Mozilla	Firefox	3.5.16	All	All	All
Application	Mozilla	Firefox	3.5.17	All	All	All
Application	Mozilla	Firefox	3.5.18	All	All	All
Application	Mozilla	Firefox	3.5.19	All	All	All
Application	Mozilla	Firefox	3.5.2	All	All	All
Application	Mozilla	Firefox	3.5.3	All	All	All
Application	Mozilla	Firefox	3.5.4	All	All	All
Application	Mozilla	Firefox	3.5.5	All	All	All
Application	Mozilla	Firefox	3.5.6	All	All	All
Application	Mozilla	Firefox	3.5.7	All	All	All
Application	Mozilla	Firefox	3.5.8	All	All	All
Application	Mozilla	Firefox	3.5.9	All	All	All
Application	Mozilla	Firefox	3.6	All	All	All
Application	Mozilla	Firefox	3.6.10	All	All	All

Application	Mozilla	Firefox	3.6.11	All	All	All
Application	Mozilla	Firefox	3.6.12	All	All	All
Application	Mozilla	Firefox	3.6.13	All	All	All
Application	Mozilla	Firefox	3.6.14	All	All	All
Application	Mozilla	Firefox	3.6.15	All	All	All
Application	Mozilla	Firefox	3.6.16	All	All	All
Application	Mozilla	Firefox	3.6.17	All	All	All
Application	Mozilla	Firefox	3.6.18	All	All	All
Application	Mozilla	Firefox	3.6.19	All	All	All
Application	Mozilla	Firefox	3.6.2	All	All	All
Application	Mozilla	Firefox	3.6.20	All	All	All
Application	Mozilla	Firefox	3.6.21	All	All	All
Application	Mozilla	Firefox	3.6.22	All	All	All
Application	Mozilla	Firefox	3.6.23	All	All	All
Application	Mozilla	Firefox	3.6.24	All	All	All
Application	Mozilla	Firefox	3.6.25	All	All	All
Application	Mozilla	Firefox	3.6.26	All	All	All
Application	Mozilla	Firefox	3.6.27	All	All	All
Application	Mozilla	Firefox	3.6.28	All	All	All
Application	Mozilla	Firefox	3.6.3	All	All	All
Application	Mozilla	Firefox	3.6.4	All	All	All
Application	Mozilla	Firefox	3.6.6	All	All	All
Application	Mozilla	Firefox	3.6.7	All	All	All
Application	Mozilla	Firefox	3.6.8	All	All	All
Application	Mozilla	Firefox	3.6.9	All	All	All
Application	Mozilla	Firefox	30.0	All	All	All
Application	Mozilla	Firefox	31.0	All	All	All
Application	Mozilla	Firefox	31.1.0	All	All	All
Application	Mozilla	Firefox	32.0	All	All	All
Application	Mozilla	Firefox	33.0	All	All	All
Application	Mozilla	Firefox	34.0.5	All	All	All
Application	Mozilla	Firefox	4.0	All	All	All
Application	Mozilla	Firefox	4.0	beta1	All	All
Application	Mozilla	Firefox	4.0	beta10	All	All
Application	Mozilla	Firefox	4.0	beta11	All	All
Application	Mozilla	Firefox	4.0	beta12	All	All

Application	Mozilla	Firefox	4.0	beta12	All	All
Application	Mozilla	Firefox	4.0	beta2	All	All
Application	Mozilla	Firefox	4.0	beta3	All	All
Application	Mozilla	Firefox	4.0	beta4	All	All
Application	Mozilla	Firefox	4.0	beta5	All	All
Application	Mozilla	Firefox	4.0	beta6	All	All
Application	Mozilla	Firefox	4.0	beta7	All	All
Application	Mozilla	Firefox	4.0	beta8	All	All
Application	Mozilla	Firefox	4.0	beta9	All	All
Application	Mozilla	Firefox	4.0.1	All	All	All
Application	Mozilla	Firefox	5.0	All	All	All
Application	Mozilla	Firefox	5.0.1	All	All	All
Application	Mozilla	Firefox	6.0	All	All	All
Application	Mozilla	Firefox	6.0.1	All	All	All
Application	Mozilla	Firefox	6.0.2	All	All	All
Application	Mozilla	Firefox	7.0	All	All	All
Application	Mozilla	Firefox	7.0.1	All	All	All
Application	Mozilla	Firefox	8.0	All	All	All
Application	Mozilla	Firefox	8.0.1	All	All	All
Application	Mozilla	Firefox	9.0	All	All	All
Application	Mozilla	Firefox	9.0.1	All	All	All
Application	Mozilla	Firefox	All	All	All	All
Operating System	Opensuse	Opensuse	13.1	All	All	All
Operating System	Opensuse	Opensuse	13.2	All	All	All

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

References						
Reference					Source	
Gentoo Security					af854a3a-2127-422b-91ae-364da7	
1125389 – (CVE-2015-0820) ChangeObjectFixedSlotCount can make a non-extensible object extensible					af854a3a-2127-422b-91ae-364da7	
[security-announce] openSUSE-SU-2015:0404-1: important: Security update					af854a3a-2127-422b-91ae-364da7	
openSUSE-SU-2015:0570-1: moderate: Security update for seamonkey					af854a3a-2127-422b-91ae-364da7	
Mozilla Firefox Caja Compiler CVE-2015-0820 Sandbox Security Bypass Vulnerability					af854a3a-2127-422b-91ae-364da7	
Caja Compiler JavaScript sandbox bypass — Mozilla					af854a3a-2127-422b-91ae-364da7	

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USN-2505-1: Firefox vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da1
Oracle Solaris Bulletin - April 2016	af854a3a-2127-422b-91ae-364da1
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.