

NVD - CVE-2016-6662

Archived: 2026-04-05 16:07:46 UTC

CVE-2016-6662 Detail

Description

Oracle MySQL through 5.5.52, 5.6.x through 5.6.33, and 5.7.x through 5.7.15; MariaDB before 5.5.51, 10.0.x before 10.0.27, and 10.1.x before 10.1.17; and Percona Server before 5.5.51-38.1, 5.6.x before 5.6.32-78.0, and 5.7.x before 5.7.14-7 allow local users to create arbitrary configurations and bypass certain protection mechanisms by setting `general_log_file` to a `my.cnf` configuration. NOTE: this can be leveraged to execute arbitrary code with root privileges by setting `malloc_lib`. NOTE: the affected MySQL version information is from Oracle's October 2016 CPU. Oracle has not commented on third-party claims that the issue was silently patched in MySQL 5.5.52, 5.6.33, and 5.7.15.

Metrics

NVD enrichment efforts reference publicly available information to associate vector strings. CVSS information contributed by other sources is also displayed.

CVSS 3.x Severity and Vector Strings:



NIST: NVD

Base Score: [9.8 CRITICAL](#)

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

References to Advisories, Solutions, and Tools


By selecting these links, you will be leaving NIST webspace. We have provided these links to other web sites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other web sites that are more appropriate for your purpose. NIST does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, NIST does not endorse any commercial products that may be mentioned on these sites. Please address comments about this page to nvd@nist.gov.

URL	Source(s)	Tag(s)
http://legalthackers.com/advisories/MySQL-Exploit-Remote-Root-Code-Execution-Privesc-CVE-2016-6662.html	CVE, MITRE	Third Party Advisory

URL	Source(s)	Tag(s)
http://rhn.redhat.com/errata/RHSA-2016-2058.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2059.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2060.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2061.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2062.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2077.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2130.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2131.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2595.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2749.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2927.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2016-2928.html	CVE, MITRE	Third Party Advisory
http://rhn.redhat.com/errata/RHSA-2017-0184.html	CVE, MITRE	Third Party Advisory
http://seclists.org/fulldisclosure/2016/Sep/23	CVE, MITRE	Mailing List Third Party Advisory
http://www.debian.org/security/2016/dsa-3666	CVE, MITRE	Third Party Advisory

URL	Source(s)	Tag(s)
http://www.openwall.com/lists/oss-security/2016/09/12/3	CVE, MITRE	Mailing List Third Party Advisory
http://www.oracle.com/technetwork/security-advisory/cpuoct2016-2881722.html	CVE, MITRE	Patch Vendor Advisory
http://www.securityfocus.com/bid/92912	CVE, MITRE	Third Party Advisory VDB Entry
http://www.securitytracker.com/id/1036769	CVE, MITRE	Third Party Advisory VDB Entry
https://jira.mariadb.org/browse/MDEV-10465	CVE, MITRE	Issue Tracking Vendor Advisory
https://mariadb.com/kb/en/mariadb/mariadb-10027-release-notes/	CVE, MITRE	Release Notes Vendor Advisory
https://mariadb.com/kb/en/mariadb/mariadb-10117-release-notes/	CVE, MITRE	Release Notes Vendor Advisory
https://mariadb.com/kb/en/mariadb/mariadb-5551-release-notes/	CVE, MITRE	Release Notes Vendor Advisory
https://security.gentoo.org/glsa/201701-01	CVE, MITRE	Third Party Advisory
https://www.exploit-db.com/exploits/40360/	CVE, MITRE	Exploit Third Party Advisory VDB Entry
https://www.percona.com/blog/2016/09/12/percona-server-critical-update-cve-2016-6662/	CVE, MITRE	Third Party Advisory

Weakness Enumeration

CWE-ID	CWE Name	Source
CWE-264	Permissions, Privileges, and Access Controls	 NIST

Known Affected Software Configurations [Switch to CPE 2.2](#)

Configuration 1 ([hide](#))

cpe:2.3:a:oracle:mysql:*:*:*:*:*:* Show Matching CPE(s)	From (including) 5.5.0	Up to (including) 5.5.52
cpe:2.3:a:oracle:mysql:*:*:*:*:*:* Show Matching CPE(s)	From (including) 5.6.0	Up to (including) 5.6.33
cpe:2.3:a:oracle:mysql:*:*:*:*:*:* Show Matching CPE(s)	From (including) 5.7.0	Up to (including) 5.7.15

Configuration 2 ([hide](#))

cpe:2.3:a:percona:percona_server:*:*:*:*:*:* Show Matching CPE(s)	From (including) 5.5	Up to (excluding) 5.5.51-38.1
cpe:2.3:a:percona:percona_server:*:*:*:*:*:* Show Matching CPE(s)	From (including) 5.6	Up to (excluding) 5.6.32-78.0
cpe:2.3:a:percona:percona_server:*:*:*:*:*:* Show Matching CPE(s)	From (including) 5.7	Up to (excluding) 5.7.14-7

Configuration 3 ([hide](#))

cpe:2.3:a:mariadb:mariadb:*:*:*:*:*:* Show Matching CPE(s)	From (including) 5.5.20	Up to (excluding) 5.5.51
cpe:2.3:a:mariadb:mariadb:*:*:*:*:*:* Show Matching CPE(s)	From (including) 10.0.0	Up to (excluding) 10.0.27
cpe:2.3:a:mariadb:mariadb:*:*:*:*:*:* Show Matching CPE(s)	From (including) 10.1.0	Up to (excluding) 10.1.17

Configuration 4 ([hide](#))

cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*
[Show Matching CPE\(s\)](#)

Configuration 5 ([hide](#))

cpe:2.3:a:redhat:openstack:5.0:*:*:*:*:* Show Matching CPE(s)
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cpe:2.3:a:redhat:openstack:6.0:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:a:redhat:openstack:7.0:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:a:redhat:openstack:8:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:a:redhat:openstack:9:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux:7.0:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_desktop:6.0:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_desktop:7.0:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_server:6.0:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_server_australia:7.3:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_server_australia:7.4:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_server_australia:7.6:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_server_europe:7.3:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_server_europe:7.4:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_server_europe:7.5:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_server_europe:7.6:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_server_taiwan:7.3:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_server_tus:7.6:*:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_workstation:6.0:*:*:*:*:*:*

[Show Matching CPE\(s\)](#)

cpe:2.3:o:redhat:enterprise_linux_workstation:7.0:*:*:*:*:*:*

[Show Matching CPE\(s\)](#)

Denotes Vulnerable Software

[Are we missing a CPE here? Please let us know.](#)

Change History

18 change records found [show changes](#)

Quick Info

CVE Dictionary Entry:

[CVE-2016-6662](#)

NVD Published Date:

09/20/2016

NVD Last Modified:

04/12/2025

Source:

MITRE

Source: <https://nvd.nist.gov/vuln/detail/CVE-2016-6662>