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# RHSA-2023:5684 - Security Advisory

Issued: 2023-10-12    Updated: 2023-10-12

[Overview](#)[Updated Packages](#)

## Synopsis

Important: galera and mariadb security update

## Type/Severity

Security Advisory: Important

### Red Hat Lightspeed patch analysis

Identify and remediate systems affected by this advisory.

[View affected systems](#) 

## Topic

An update for galera and mariadb is now available for Red Hat Enterprise Linux 9.

Red Hat Product Security has rated this update as having a security impact of Important. A Common Vulnerability Scoring System (CVSS) base score, which gives a detailed severity rating, is available for each vulnerability from the CVE link(s) in the References section.

## Description

MariaDB is a multi-user, multi-threaded SQL database server that is binary compatible with MySQL.

The following packages have been upgraded to a later upstream version: galera (26.4.14), mariadb (10.5.22).

#### Security Fix(es):

- mariadb: node crashes with Transport endpoint is not connected mysqld got signal 6 (CVE-2023-5157)
- mariadb: use-after-poison in prepare\_inplace\_add\_virtual in handler0alter.cc (CVE-2022-32081)
- mariadb: assertion failure at table->get\_ref\_count() == 0 in dict0dict.cc (CVE-2022-32082)
- mariadb: segmentation fault via the component sub\_select (CVE-2022-32084)
- mariadb: server crash in st\_select\_lex\_unit::exclude\_level (CVE-2022-32089)
- mariadb: server crash in JOIN\_CACHE::free or in copy\_fields (CVE-2022-32091)
- mariadb: compress\_write() fails to release mutex on failure (CVE-2022-38791)
- mariadb: NULL pointer dereference in spider\_db\_mbase::print\_warnings() (CVE-2022-47015)

For more details about the security issue(s), including the impact, a CVSS score, acknowledgments, and other related information, refer to the CVE page(s) listed in the References section.

## Solution

For details on how to apply this update, which includes the changes described in this advisory, refer to:

<https://access.redhat.com/articles/11258> 

After installing this update, the MariaDB server daemon (mysqld) will be restarted automatically.

## Affected Products

- Red Hat Enterprise Linux for x86\_64 9 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support 9.6 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support 9.4 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Extended Update Support 9.2 x86\_64
- Red Hat Enterprise Linux Server - AUS 9.6 x86\_64
- Red Hat Enterprise Linux Server - AUS 9.4 x86\_64
- Red Hat Enterprise Linux Server - AUS 9.2 x86\_64
- Red Hat Enterprise Linux for IBM z Systems 9 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 9.6 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 9.4 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 9.2 s390x
- Red Hat Enterprise Linux for Power, little endian 9 ppc64le
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 9.6 ppc64le
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 9.4 ppc64le

- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 9.2 ppc64le
- Red Hat Enterprise Linux for ARM 64 9 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 9.6 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 9.4 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 9.2 aarch64
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 9.6 ppc64le
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 9.4 ppc64le
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 9.2 ppc64le
- Red Hat Enterprise Linux for x86\_64 - Update Services for SAP Solutions 9.6 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Update Services for SAP Solutions 9.4 x86\_64
- Red Hat Enterprise Linux for x86\_64 - Update Services for SAP Solutions 9.2 x86\_64
- Red Hat CodeReady Linux Builder for x86\_64 9 x86\_64
- Red Hat CodeReady Linux Builder for Power, little endian 9 ppc64le
- Red Hat CodeReady Linux Builder for ARM 64 9 aarch64
- Red Hat CodeReady Linux Builder for IBM z Systems 9 s390x
- Red Hat CodeReady Linux Builder for x86\_64 - Extended Update Support 9.6 x86\_64
- Red Hat CodeReady Linux Builder for x86\_64 - Extended Update Support 9.4 x86\_64
- Red Hat CodeReady Linux Builder for x86\_64 - Extended Update Support 9.2 x86\_64
- Red Hat CodeReady Linux Builder for Power, little endian - Extended Update Support 9.6 ppc64le
- Red Hat CodeReady Linux Builder for Power, little endian - Extended Update Support 9.4 ppc64le
- Red Hat CodeReady Linux Builder for Power, little endian - Extended Update Support 9.2 ppc64le
- Red Hat CodeReady Linux Builder for IBM z Systems - Extended Update Support 9.6 s390x
- Red Hat CodeReady Linux Builder for IBM z Systems - Extended Update Support 9.4 s390x
- Red Hat CodeReady Linux Builder for IBM z Systems - Extended Update Support 9.2 s390x
- Red Hat CodeReady Linux Builder for ARM 64 - Extended Update Support 9.6 aarch64
- Red Hat CodeReady Linux Builder for ARM 64 - Extended Update Support 9.4 aarch64
- Red Hat CodeReady Linux Builder for ARM 64 - Extended Update Support 9.2 aarch64
- Red Hat Enterprise Linux for ARM 64 - 4 years of updates 9.6 aarch64
- Red Hat Enterprise Linux for ARM 64 - 4 years of updates 9.4 aarch64
- Red Hat Enterprise Linux for ARM 64 - 4 years of updates 9.2 aarch64
- Red Hat Enterprise Linux for IBM z Systems - 4 years of updates 9.6 s390x
- Red Hat Enterprise Linux for IBM z Systems - 4 years of updates 9.4 s390x
- Red Hat Enterprise Linux for IBM z Systems - 4 years of updates 9.2 s390x

## Fixes

- BZ - 2106028 [↗](#) - CVE-2022-32081 mariadb: use-after-poison in prepare\_inplace\_add\_virtual in handlerOalter.cc
- BZ - 2106030 [↗](#) - CVE-2022-32082 mariadb: assertion failure at table->get\_ref\_count() == 0 in dictOdict.cc
- BZ - 2106034 [↗](#) - CVE-2022-32084 mariadb: segmentation fault via the component sub\_select
- BZ - 2106035 [↗](#) - CVE-2022-32089 mariadb: server crash in st\_select\_lex\_unit::exclude\_level
- BZ - 2106042 [↗](#) - CVE-2022-32091 mariadb: server crash in JOIN\_CACHE::free or in copy\_fields
- BZ - 2130105 [↗](#) - CVE-2022-38791 mariadb: compress\_write() fails to release mutex on failure
- BZ - 2163609 [↗](#) - CVE-2022-47015 mariadb: NULL pointer dereference in spider\_db\_mbase::print\_warnings()
- BZ - 2240246 [↗](#) - CVE-2023-5157 mariadb: node crashes with Transport endpoint is not connected mysqld got signal 6

## CVEs

- CVE-2022-32081 [↗](#)
- CVE-2022-32082 [↗](#)
- CVE-2022-32084 [↗](#)
- CVE-2022-32089 [↗](#)
- CVE-2022-32091 [↗](#)
- CVE-2022-38791 [↗](#)
- CVE-2022-47015 [↗](#)
- CVE-2023-5157 [↗](#)

## References

- <https://access.redhat.com/security/updates/classification/#important> [↗](#)

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The Red Hat security contact is [secalert@redhat.com](mailto:secalert@redhat.com). More contact details at <https://access.redhat.com/security/team/contact/>.



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