

mariadb 安装与配置

安装与配置

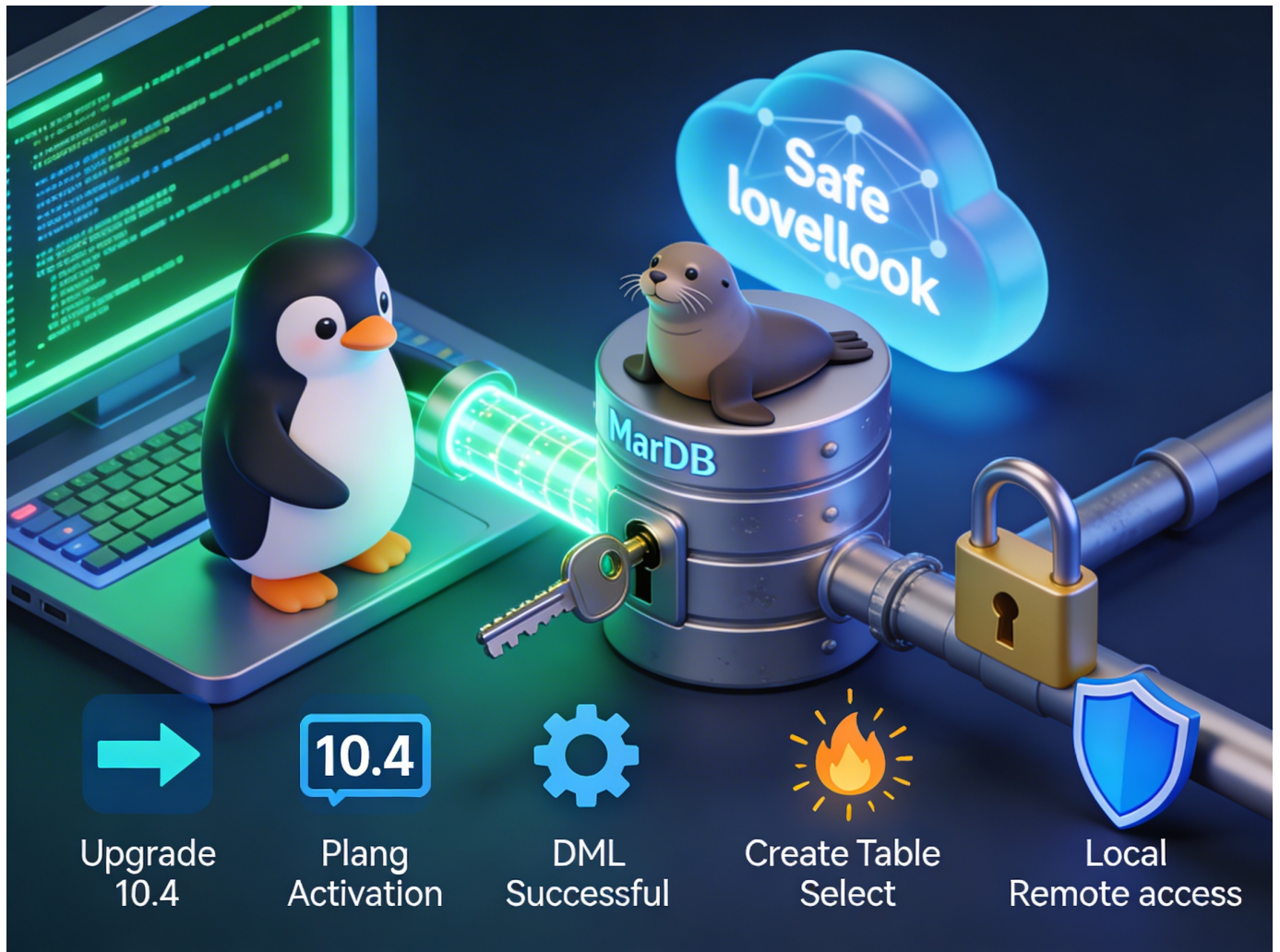
本文档旨在提供 MariaDB 数据库的安装与配置指南。我们将介绍如何在 Linux 系统上安装 MariaDB，并配置其基本参数。此外，我们还将讨论如何设置用户权限，以及如何使用命令行工具进行数据库操作。

在开始之前，请确保您的系统满足以下要求：

- 操作系统：Linux (CentOS, Ubuntu, Debian 等)
- 硬件要求：至少 1GB 内存，10GB 磁盘空间
- 网络要求：能够访问互联网以下载软件包

接下来，我们将按照以下步骤进行安装和配置：

- 安装 MariaDB 软件包
- 配置 MariaDB 参数
- 设置用户权限
- 使用命令行工具



perplexity 00 000 AI 000



1. 000000 root 000

```
# mysql -u root
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 15
Server version: 10.4.7-MariaDB MariaDB Server
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

2. DML / DDL ☐☐

```
MariaDB [(none)]> create database test123;
Query OK, 1 row affected (0.003 sec)

MariaDB [test123]> create table wow( name int);
Query OK, 0 rows affected (0.008 sec)

MariaDB [test123]> insert into wow values(123);
Query OK, 1 row affected (0.003 sec)

MariaDB [test123]> select * from wow;
+-----+
| name |
+-----+
| 123  |
+-----+
1 row in set (0.001 sec)

--

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql      |
| performance_schema |
+-----+
3 rows in set (0.001 sec)
```

□ ?

1. unix_socket .

Unix Socket

1. unix_socket ☐ ☐ ☐ ☐ ☐

- `mysql root` : OS `mysql root` ,
- login `mysql root` (brute force) . `mysql root` . (....)

2.

- MariaDB [] [] [] [] [] [] .
The unix_socket authentication plugin is not suited to multiple Unix users accessing a single MariaDB user account.
- [] [] sudo [] [] root [] [] [] DB[]
[] [] [] .

unix_socket

1. local socket

```
$> vi /etc/my.cnf
```

```
[mariadb]
```

■ ■ ■

unix_socket=0FF

2. root □ localhost □ □ □ □ DCL □ □

```
MYSQL> grants for *.* to root@localhost identified by '{{ root }}';
```

Query OK, 0 rows affected (0.011 sec)

```
MYSQL> flush privileges;
```

Query OK, 0 rows affected (0.001 sec)

3. Mariadb

reference

- <https://mariadb.com/kb/en/library/authentication-plugin-unix-socket/>
-

Revision #11

Created 2022-06-06 15:58:43 KST by artop0420

Updated 2026-03-22 22:52:59 KST by artop0420