1.5 MySQL8.0企业安装规范 √⌐

1.确认支持列表：Supported Platforms

		8.0	5.7	5.6
Operating System	Architecture			
Oracle Linux / Red Hat / CentOS				

		8.0	5.7	5.6
Oracle Linux 8 / Red Hat Enterprise Linux 8 / CentOS 8	x86_64, ARM 64	•		
Oracle Linux 7 / Red Hat Enterprise Linux 7 / CentOS 7	ARM 64	•		
Oracle Linux 7 / Red Hat Enterprise Linux 7 / CentOS 7	x86_64	•	•	•
Oracle Linux 6 / Red Hat Enterprise Linux 6 / CentOS 6	x86_32, x86_64	•	•	•
Oracle Solaris				
Solaris 11 (Update 4+)	SPARC_64, x86_64	•	•	•
Solaris 10 (Update 11+)	SPARC_64, x86_32, x86_64			•
Canonical				
Ubuntu 18.04 LTS	x86_32, x86_64	•	•	
Ubuntu 16.04 LTS	x86_32, x86_64	•	•	
SUSE				
SUSE Enterprise Linux 15 / OpenSUSE 15	x86_64	•		
SUSE Enterprise Linux 12 (12.3+)	x86_64	•	•	•
Debian				

		8.0	5.7	5.6
Debian GNU/Linux 10	x86_64	•	•	
Debian GNU/Linux 9	x86_32, x86_64	•	•	•
Debian GNU/Linux 8	x86_32, x86_64		•	•
Microsoft Windows Server				
Microsoft Windows 2019 Server	x86_64	•		
Microsoft Windows 2016 Server	x86_64	•	•	•
Microsoft Windows 2012 Server R2	x86_64	•	•	•
Microsoft Windows				
Microsoft Windows 10	x86_64	•	•	
Apple				
macOS 10.14	x86_64	•	•	
macOS 10.13	x86_64	•	•	
FreeBSD				

		8.0	5.7	5.6
FreeBSD 12	x86_64	•		
Various Linux				
Generic Linux (tar format)	x86_32, x86_64, glibc 2.12, libstdc++ 4.4	•	•	•
Fedora Yum Repo	•	•	•	
Debian/Ubuntu APT Repo	•	•	•	
SUSE Repo	•	•	•	

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MySQL Community (GPL) Downloads »

⊕ MySQL Community Downloads

- MySQL Yum Repository
- MySQL APT Repository
- MySQL SUSE Repository

- MySQL Community Server   **1** 社区版本
- MySQL Cluster
- MySQL Router
- MySQL Shell
- MySQL Workbench

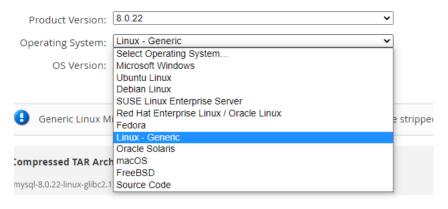- MySQL Installer for Windows
- MySQL for Visual Studio

- C API (libmysqlclient)
- Connector/C++
- Connector/J
- Connector/NET
- Connector/Node.js
- Connector/ODBC
- Connector/Python
- MySQL Native Driver for PHP

- MySQL Benchmark Tool
- Time zone description tables
- Download Archives

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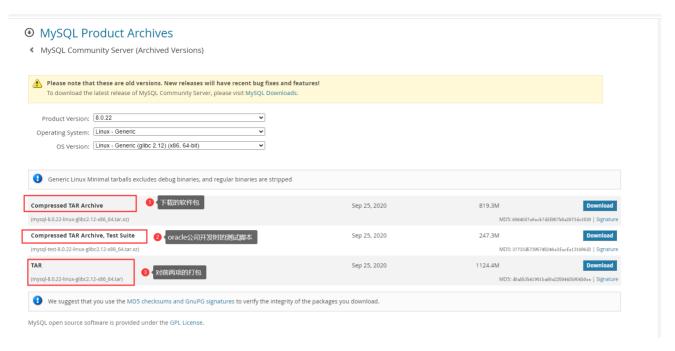
支持的操作系统我们使用Generic 所有linux操作系统通用版本

Product Version: 8.0.22

Operating System: Linux - Generic

OS Version:

Select Operating System...
Microsoft Windows
Ubuntu Linux
Debian Linux
SUSE Linux Enterprise Server
Red Hat Enterprise Linux / Oracle Linux
Fedora
Linux - Generic
Oracle Solaris
macOS
FreeBSD
Source Code

Generic Linux M　　　　　　　　　　　　　　stripped

Compressed TAR Arch

mysql-8.0.22-linux-glibc2.1

编译工具的选择64位

Product Version: 8.0.22

Operating System: Linux - Generic

OS Version: Linux - Generic (glibc 2.12) (x86, 64-bit)

All
Linux - Generic (glibc 2.12) (x86, 32-bit)
Linux - Generic (glibc 2.12) (x86, 64-bit)
Linux - Generic (glibc 2.17) (x86, 64-bit)

Generic Linux Minimal tarballs excludes debug binaries, and regular binaries are stripped

下载的软件包选择

5.对下载的软件包进行md5校验，判断是否为官方提供的软件包

MD5: `1ff5fe9f2b5c57b1aa181d0922ac42aa` | Signature

6. 安装单实例数据库步骤

```bash
1   1.上传和解压
2   root@db01 opt]# tar xf mysql-8.0.20-linux-glibc2.12-x86_64.tar.xz
3   [root@db01 opt]# ln -s /opt/mysql-8.0.20-linux-glibc2.12-x86_64 /usr/local/mysql
4   [root@db01 mysql]# vim /etc/profile
5   export PATH=/usr/local/mysql/bin:$PATH
6   [root@db01 mysql]# source /etc/profile
7   [root@db01 mysql]# mysql -V
8   mysql  Ver 8.0.20 for Linux on x86_64 (MySQL Community Server - GPL)
9   2.清理环境，卸载无用软件
10  [root@db01 ~]# yum remove -y mariadb-libs
11  3.创建用户
12  [root@db01 ~]# useradd mysql
13  4.创建目录并授权
14  [root@db01 ~]# mkdir -p /data/3306/data
15  [root@db01 ~]# chown -R mysql. /data
16  5.准备配置文件
17  [root@db01 ~]# vim /etc/my.cnf
18  [mysqld]
19  user=mysql
20  basedir=/usr/local/mysql
21  datadir=/data/3306/data
22  socket=/tmp/mysql.sock
23  [mysql]
24  socket=/tmp/mysql.sock
25  6.初始化数据库数据
26  [root@db01 mysql]# yum install -y libaio-devel
27  [root@db01 mysql]# mysqld --initialize-insecure --user=mysql --basedir=/usr/local/mysql --datadir=/data/3306/d
28  7.启动数据库
29  mysqld &
```