

Mysql5.7

V3.0 版本 操作指南

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目 录

一、商品说明	1
1、版本说明	1
2、安全加固	1
二、操作指南	1
1、Mysql 环境信息	1
2、安全组开放相应的端口 3306	2
3、客户端链接 Mysql	2
4、Mysql 配置信息	4
5、Mysql 环境简单使用	5
6、常规错误如何排查	11
7、Mysql 官方手册	15
三、技术支持	17
1、售后服务	17
2、服务范围	18

一、商品说明

1、版本说明

此镜像为 Mysql5.7 全镜像，系统：Aliyun（兼容 CentOS），更新时间 2024 年 8 月。您可以一键快速搭建自己的 Mysql 数据库服务器。

2、安全加固

为进一步提升云服务的安全性，我公司对镜像产品实施了全面的安全加固，共计完成 88 项基线加固措施。这些精细化的安全改进，不仅确保我们的镜像产品严格符合等保 2.0 的安全标准，更在防御外部攻击、内部漏洞修复、数据加密保护等多个安全维度上实现了显著增强，为您的数据的安全存储与业务的平稳运行提供坚实保障。选择我们的镜像产品，意味着您将获得一个经过深度安全加固、符合高标准安全要求的云端解决方案，让您的业务在安全的护航下稳健运行。

如您的业务环境有其他安全需求，请与客服联系，我们可为您提供一对一定制服务。

二、操作指南

1、Mysql 环境信息

Mysql 版本 5.7.38

Mysql 登录用户名 root 密码 mysql123

```
[root@mysql ~]# mysql -uroot -pmysql123
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.38-enterprise-commercial-advanced MySQL Enterprise Server - Advanced Edition (C
Copyright (c) 2000, 2022, Oracle and/or its affiliates.

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
4 rows in set (0.01 sec)
```

2、安全组开放相应的端口 3306

点击阿里云 ecs，点击安全组，入方向，手动添加



允许 TCP、端口 3306、允许所有 IPv4, 保存即可。



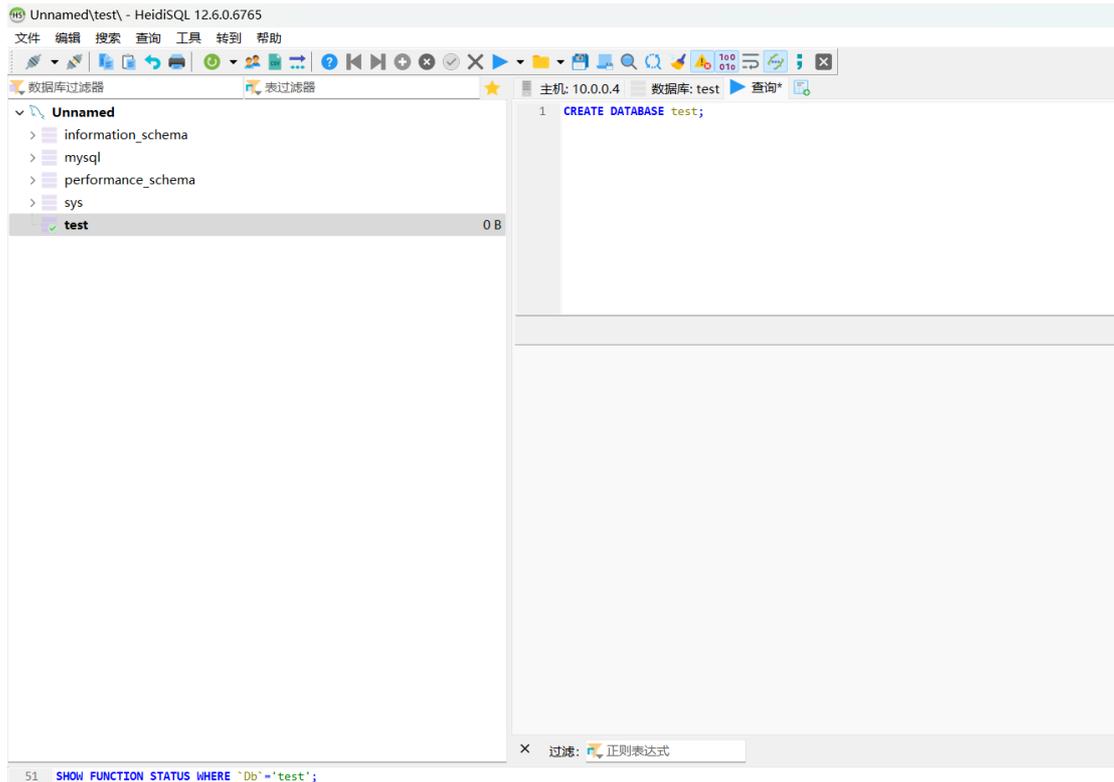
3、客户端链接 Mysql

服务端创建远程登录 mysql 用户，用户名 root，密码为 Mysql_123

```
grant all privileges on *.* to 'root'@'%' identified by 'Mysql_123';  
  
flush privileges;
```

```
mysql>  
mysql>  
mysql> grant all privileges on *.* to 'root'@'%' identified by 'Mysql_123';  
Query OK, 0 rows affected, 1 warning (0.00 sec)  
  
mysql>  
mysql>  
mysql> flush privileges;  
Query OK, 0 rows affected (0.00 sec)  
mysql>
```

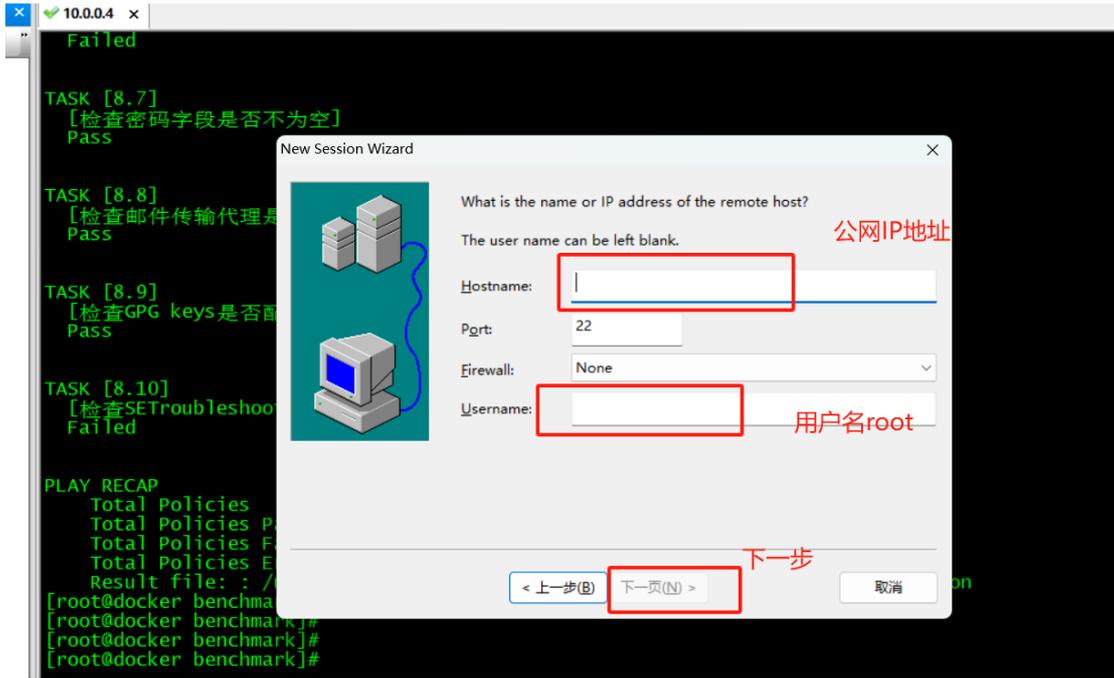




4、Mysql 配置信息

Mysql 环境镜像包含 (MySQL5.7.38, Nginx1.20.1、java-1.8.0-openjdk、Redis 3.2.12)。

服务	版本	执行文件	配置文件	密码
Nginx	1.20.1	/usr/sbin/nginx	nginx.conf	
java	1.8.0	/usr/bin/java		
Mysql	5.7.38	/usr/bin/mysql/	my.cnf	mysql123
Redis	3.2.12	/usr/bin/redis-*	redis.conf	

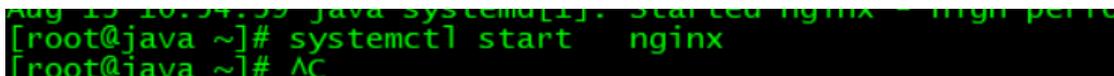


双击链接即可

执行如下命令

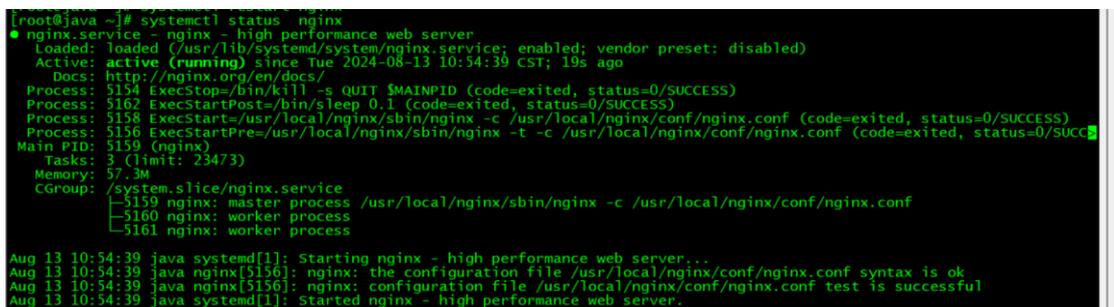
Nginx 启动

```
systemctl start nginx
```



Nginx 查询状态

```
systemctl status nginx
```



Nginx 关闭

```
systemctl stop nginx
```



Nginx 重启

```
systemctl restart nginx
```

```
[root@java ~]#  
[root@java ~]#  
[root@java ~]# systemctl restart nginx  
[root@java ~]#
```

Nginx 查询日志

```
tail -f /var/log/nginx/error.log
```

```
[root@mysql nginx]# cd /var/log/nginx/  
[root@mysql nginx]# ll  
total 0  
-rw-r--r-- 1 root root 0 Aug 20 03:44 access.log  
-rw-r--r-- 1 root root 0 Aug 20 03:44 error.log  
[root@mysql nginx]# tail -f error.log
```

Java 使用

查询 Java 版本

```
java -version
```

```
[root@java ~]#  
[root@java ~]# java -version  
openjdk version "1.8.0_392"  
OpenJDK Runtime Environment (build 1.8.0_392-b08)  
OpenJDK 64-Bit Server VM (build 25.392-b08, mixed mode)  
[root@java ~]#  
[root@java ~]#  
[root@java ~]# whereis java  
java: /usr/bin/java /usr/lib/java /etc/java /usr/share/java /usr/share/man/man1/java.1.gz  
[root@java ~]#
```

java 执行文件位置/usr/bin/java

```
[root@java ~]#  
[root@java ~]# java -version  
openjdk version "1.8.0_392"  
OpenJDK Runtime Environment (build 1.8.0_392-b08)  
OpenJDK 64-Bit Server VM (build 25.392-b08, mixed mode)  
[root@java ~]#  
[root@java ~]#  
[root@java ~]# whereis java  
java: /usr/bin/java /usr/lib/java /etc/java /usr/share/java /usr/share/man/man1/java.1.gz  
[root@java ~]#
```

Mysql 使用

Mysql 启动

```
systemctl start mysql
```

```
[root@java logs]#
[root@java logs]# systemctl start mysql
[root@java logs]#
[root@java logs]#
[root@java logs]#
[root@java logs]#
[root@java logs]#
```

Mysql 关闭

```
systemctl stop mysql
```

```
[root@java logs]#
[root@java logs]#
[root@java logs]# systemctl stop mysql
[root@java logs]#
[root@java logs]#
```

Mysql 运行状态

```
systemctl status mysql
```

```
[root@java logs]# systemctl status mysql
● mysqld.service - LSB: start and stop MySQL
   Loaded: loaded (/etc/rc.d/init.d/mysqld; generated)
   Active: active (running) since Tue 2024-08-13 11:36:22 CST; 5s ago
     Docs: man:systemd-sysv-generator(8)
   Process: 5717 ExecStop=/etc/rc.d/init.d/mysqld stop (code=exited, status=0/SUCCESS)
   Process: 5758 ExecStart=/etc/rc.d/init.d/mysqld start (code=exited, status=0/SUCCESS)
    Tasks: 28 (limit: 23473)
   Memory: 234.4M
   CGroup: /system.slice/mysqld.service
           └─5771 /bin/sh /usr/local/mysql/bin/mysqld_safe --datadir=/data/mysql --pid-file=/data/mysql/mysql.pid
             └─6612 /usr/local/mysql/bin/mysqld --basedir=/usr/local/mysql --datadir=/data/mysql --plugin-dir=/usr/local/mysql
```

Mysql 登录

```
mysql -uroot -pmysql123
```

```
[root@mysql ~]# mysql -uroot -pmysql123
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.7.38-enterprise-commercial-advanced MySQL Enterprise Server - Advanced Edition
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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
```

Mysql 日志

```
tail -f /var/log/mysqld.log
```

```
pid-file=/var/run/mysqld/mysqld.pid
[root@mysql ~]# tail -F /var/log/mysqld.log
2024-08-20T08:32:13.839083Z 0 [Note] Skipping generation of RSA key pair as key files are present in data directory.
2024-08-20T08:32:13.840062Z 0 [Note] Server hostname (bind-address): '*'; port: 3306
2024-08-20T08:32:13.840095Z 0 [Note] IPv6 is available.
2024-08-20T08:32:13.840103Z 0 [Note] - '::' resolves to '::';
2024-08-20T08:32:13.840117Z 0 [Note] Server socket created on IP: '::'.
2024-08-20T08:32:13.888435Z 0 [Note] Event Scheduler: Loaded 0 events
2024-08-20T08:32:13.889051Z 0 [Note] /usr/sbin/mysqld: ready for connections.
Version: '5.7.38-enterprise-commercial-advanced' socket: '/var/lib/mysql/mysql.sock' port: 3306 MySQL Enterprise Server -
Advanced Edition (Commercial)
2024-08-20T08:46:31.628063Z 3 [Warning] IP address '10.0.0.112' could not be resolved: Name or service not known
2024-08-20T08:57:41.070314Z 4 [Note] Access denied for user 'root'@'localhost' (using password: NO)
```

Mysql 配置文件

more /etc/my.cnf

```
[root@mysql ~]# more /etc/my.cnf
# For advice on how to change settings please see
# http://dev.mysql.com/doc/refman/5.7/en/server-configuration-defaults.html

[mysqld]
#
# Remove leading # and set to the amount of RAM for the most important data
# cache in MySQL. Start at 70% of total RAM for dedicated server, else 10%.
# innodb_buffer_pool_size = 128M
#
# Remove leading # to turn on a very important data integrity option: logging
# changes to the binary log between backups.
# log_bin
#
# Remove leading # to set options mainly useful for reporting servers.
# The server defaults are faster for transactions and fast SELECTs.
# Adjust sizes as needed, experiment to find the optimal values.
# join_buffer_size = 128M
# sort_buffer_size = 2M
# read_rnd_buffer_size = 2M
datadir=/var/lib/mysql
socket=/var/lib/mysql/mysql.sock

# Disabling symbolic-links is recommended to prevent assorted security risks
symbolic-links=0

log-error=/var/log/mysqld.log
pid-file=/var/run/mysqld/mysqld.pid
[root@mysql ~]#
```

Redis 使用

redis 启动

systemctl start redis

```
[root@mysql ~]# systemctl start redis
[root@mysql ~]#
[root@mysql ~]#
[root@mysql ~]#
[root@mysql ~]#
[root@mysql ~]#
[root@mysql ~]# systemctl status redis
● redis.service - Redis persistent key-value database
   Loaded: loaded (/usr/lib/systemd/system/redis.service; enabled; vendor preset: disabled)
   Drop-In: /etc/systemd/system/redis.service.d
           └─ limit.conf
   Active: active (running) since Tue 2024-08-20 04:32:13 EDT; 51min ago
   Main PID: 1025 (redis-server)
     Tasks: 3
    CGroup: /system.slice/redis.service
           └─ 1025 /usr/bin/redis-server 127.0.0.1:6379

Aug 20 04:32:13 mysql systemd[1]: Starting Redis persistent key-value database...
Aug 20 04:32:13 mysql systemd[1]: Started Redis persistent key-value database.
[root@mysql ~]#
```

```
[root@java mysql]# ps -ef | grep redis
redis      834      1  0 11:41 ?        00:00:36 /usr/local/redis/bin/redis-server 127.0.0.1:6379
root       4640    3151  0 14:01 pts/0    00:00:00 grep --color redis
[root@java mysql]#
```

redis 查看运行

systemctl status redis

```
[root@mysql ~]# systemctl status redis
● redis.service - Redis persistent key-value database
   Loaded: loaded (/usr/lib/systemd/system/redis.service; enabled; vendor preset: disabled)
   Drop-In: /etc/systemd/system/redis.service.d
            └─limit.conf
   Active: active (running) since Tue 2024-08-20 04:32:13 EDT; 51min ago
   Main PID: 1025 (redis-server)
     Tasks: 3
    CGroup: /system.slice/redis.service
            └─1025 /usr/bin/redis-server 127.0.0.1:6379

Aug 20 04:32:13 mysql systemd[1]: Starting Redis persistent key-value database...
Aug 20 04:32:13 mysql systemd[1]: Started Redis persistent key-value database.
[root@mysql ~]#
```

```
[root@java mysql]# ps -ef | grep redis
redis      834      1  0 11:41 ?        00:00:36 /usr/local/redis/bin/redis-server 127.0.0.1:6379
root       4640    3151  0 14:01 pts/0    00:00:00 grep --color redis
[root@java mysql]#
```

redis 链接

redis-cli

127.0.0.1:6379> info

```
[root@java mysql]#
[root@java mysql]# redis-cli
127.0.0.1:6379> info
# Server
redis_version:7.2.3
redis_git_sha1:00000000
redis_git_dirty:0
redis_build_id:d6a40250e7ccef1b
redis_mode:standalone
os:Linux 5.10.134-13.an8.x86_64 x86_64
arch_bits:64
monotonic_clock:POSIX clock_gettime
multiplexing_api:epoll
atomicvar_api:c11-builtin
gcc_version:8.5.0
process_id:834
process_supervised:no
run_id:b4dc5dea22a8f0a892cdeb08cdc34f79301abb91
tcp_port:6379
server_time_usec:1723529009835216
uptime_in_seconds:8526
uptime_in_days:0
hz:10
configured_hz:10
lru_clock:12252977
executable:/usr/local/redis/bin/redis-server
config_file:/usr/local/redis/etc/redis.conf
io_threads_active:0
listener0:name=tcp,bind=127.0.0.1,bind=-:::1,port=6379
```

redis 配置文件

/etc/redis.conf

```
[root@mysql etc]# more /etc/redis.conf
# Redis configuration file example.
#
# Note that in order to read the configuration file, Redis must be
# started with the file path as first argument:
#
# ./redis-server /path/to/redis.conf
#
# Note on units: when memory size is needed, it is possible to specify
# it in the usual form of 1k 5GB 4M and so forth:
#
# 1k => 1000 bytes
# 1kb => 1024 bytes
# 1m => 1000000 bytes
# 1mb => 1024*1024 bytes
# 1g => 1000000000 bytes
# 1gb => 1024*1024*1024 bytes
#
# units are case insensitive so 1GB 1Gb 1gB are all the same.
##### INCLUDES #####
# Include one or more other config files here. This is useful if you
# have a standard template that goes to all Redis servers but also need
# to customize a few per-server settings. Include files can include
# other files, so use this wisely.
#
# Notice option "include" won't be rewritten by command "CONFIG REWRITE"
# from admin or Redis Sentinel. Since Redis always uses the last processed
# line as value of a configuration directive, you'd better put includes
# at the beginning of this file to avoid overwriting config change at runtime.
#
# If instead you are interested in using includes to override configuration
# options, it is better to use include as the last line.
```

关闭 redis

systemctl stop redis

```
[root@mysql etc]# systemctl stop redis
[root@mysql etc]#
[root@mysql etc]#
[root@mysql etc]#
[root@mysql etc]# systemctl status redis
● redis.service - Redis persistent key-value database
   Loaded: loaded (/usr/lib/systemd/system/redis.service; enabled; vendor preset: disabled)
   Drop-In: /etc/systemd/system/redis.service.d
            └─ limit.conf
   Active: inactive (dead) since Tue 2024-08-20 05:25:42 EDT; 4s ago
     Process: 2619 ExecStop=/usr/libexec/redis-shutdown (code=exited, status=0/SUCCESS)
     Process: 1025 ExecStart=/usr/bin/redis-server /etc/redis.conf --supervised systemd (code=exited, status=0/SUCCESS)
    Main PID: 1025 (code=exited, status=0/SUCCESS)

Aug 20 04:32:13 mysql systemd[1]: Starting Redis persistent key-value database...
Aug 20 04:32:13 mysql systemd[1]: Started Redis persistent key-value database.
Aug 20 05:25:42 mysql systemd[1]: Stopping Redis persistent key-value database...
Aug 20 05:25:42 mysql systemd[1]: Stopped Redis persistent key-value database.
[root@mysql etc]#
```

6、常规错误如何排查

首先重启相关服务是否正常。

Nginx:

systemctl restart nginx

```
[root@mysql etc]#
[root@mysql etc]#
[root@mysql etc]# systemctl restart nginx
[root@mysql etc]#
[root@mysql etc]#
[root@mysql etc]#
[root@mysql etc]#
```

MySQL:

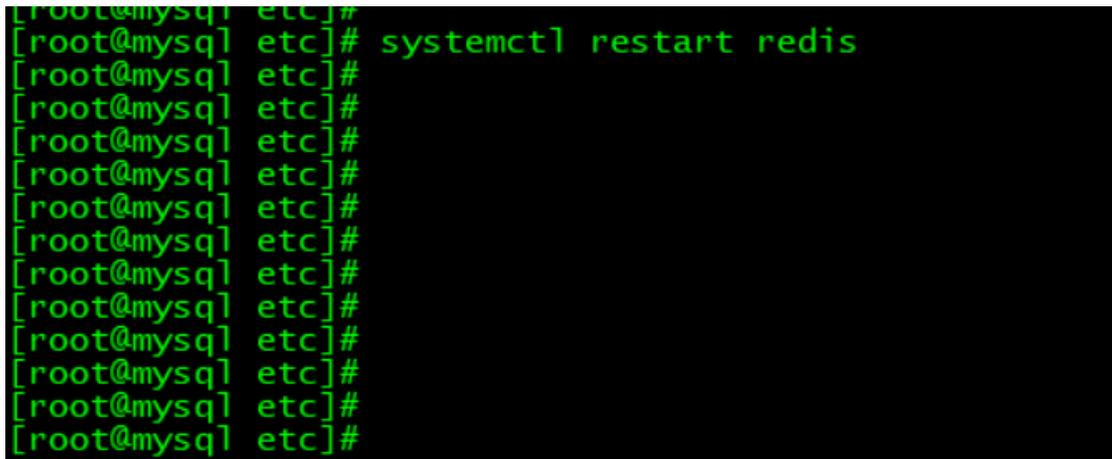
```
systemctl restart mysqld
```



```
[root@mysql etc]#  
[root@mysql etc]# systemctl restart mysqld  
[root@mysql etc]#  
[root@mysql etc]#
```

Redis:

```
systemctl restart redis
```



```
[root@mysql etc]#  
[root@mysql etc]# systemctl restart redis  
[root@mysql etc]#  
[root@mysql etc]#
```

查看相关服务状态

Nginx:

```
systemctl status nginx
```

```
[root@mysql etc]#
[root@mysql etc]# systemctl status nginx
● nginx.service - The nginx HTTP and reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; vendor preset: disabled)
   Active: active (running) since Tue 2024-08-20 05:27:12 EDT; 3min 22s ago
     Process: 2657 ExecStart=/usr/sbin/nginx (code=exited, status=0/SUCCESS)
     Process: 2655 ExecStartPre=/usr/sbin/nginx -t (code=exited, status=0/SUCCESS)
     Process: 2653 ExecStartPre=/usr/bin/rm -f /run/nginx.pid (code=exited, status=0/SUCCESS)
   Main PID: 2659 (nginx)
     Tasks: 3
   CGroup: /system.slice/nginx.service
           └─2659 nginx: master process /usr/sbin/nginx
             └─2660 nginx: worker process
               └─2661 nginx: worker process

Aug 20 05:27:12 mysql systemd[1]: Stopped The nginx HTTP and reverse proxy server.
Aug 20 05:27:12 mysql systemd[1]: Starting The nginx HTTP and reverse proxy server...
Aug 20 05:27:12 mysql nginx[2655]: nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
Aug 20 05:27:12 mysql nginx[2655]: nginx: configuration file /etc/nginx/nginx.conf test is successful
Aug 20 05:27:12 mysql systemd[1]: Started The nginx HTTP and reverse proxy server.
[root@mysql etc]#
```

MySQL:

systemctl status mysqld

```
[root@mysql etc]# systemctl status mysqld
● mysqld.service - MySQL Server
   Loaded: loaded (/usr/lib/systemd/system/mysqld.service; enabled; vendor preset: disabled)
   Active: active (running) since Tue 2024-08-20 05:27:52 EDT; 2min 6s ago
     Docs: man:mysqld(8)
           http://dev.mysql.com/doc/refman/en/using-systemd.html
     Process: 2694 ExecStart=/usr/sbin/mysqld --daemonize --pid-file=/var/run/mysqld/mysqld.pid $MYSQLD_OPTS (code=exited, status=0/SUCCESS)
     Process: 2677 ExecStartPre=/usr/bin/mysqld_pre_systemd (code=exited, status=0/SUCCESS)
   Main PID: 2697 (mysqld)
     Tasks: 27
   CGroup: /system.slice/mysqld.service
           └─2697 /usr/sbin/mysqld --daemonize --pid-file=/var/run/mysqld/mysqld.pid

Aug 20 05:27:52 mysql systemd[1]: Stopped MySQL Server.
Aug 20 05:27:52 mysql systemd[1]: Starting MySQL Server...
Aug 20 05:27:52 mysql systemd[1]: Started MySQL Server.
[root@mysql etc]#
```

Redis:

systemctl status redis

```
[root@mysql etc]#
[root@mysql etc]# systemctl status redis
● redis.service - Redis persistent key-value database
   Loaded: loaded (/usr/lib/systemd/system/redis.service; enabled; vendor preset: disabled)
   Drop-In: /etc/systemd/system/redis.service.d
            └─limit.conf
   Active: active (running) since Tue 2024-08-20 05:28:33 EDT; 34s ago
     Process: 2619 ExecStop=/usr/libexec/redis-shutdown (code=exited, status=0/SUCCESS)
   Main PID: 2740 (redis-server)
     Tasks: 3
   CGroup: /system.slice/redis.service
           └─2740 /usr/bin/redis-server 127.0.0.1:6379

Aug 20 05:28:33 mysql systemd[1]: Starting Redis persistent key-value database...
Aug 20 05:28:33 mysql systemd[1]: Started Redis persistent key-value database.
[root@mysql etc]#
```

查看相关服务的日志

Nginx:

tail -f /var/log/nginx/error.log

```
[root@mysql nginx]# cd /var/log/nginx/
[root@mysql nginx]# ll
total 0
-rw-r--r-- 1 root root 0 Aug 20 03:44 access.log
-rw-r--r-- 1 root root 0 Aug 20 03:44 error.log
[root@mysql nginx]# tail -f error.log
```

MySQL:

Mysql 日志

tail -f /var/log/mysqld.log

```
pid-file=/var/run/mysqld/mysqld.pid
[root@mysql ~]# tail -f /var/log/mysqld.log
2024-08-20T08:32:13.839083Z 0 [Note] Skipping generation of RSA key pair as key files are present in data directory.
2024-08-20T08:32:13.840062Z 0 [Note] Server hostname (bind-address): '*'; port: 3306
2024-08-20T08:32:13.840095Z 0 [Note] IPv6 is available.
2024-08-20T08:32:13.840103Z 0 [Note] - '::' resolves to '::';
2024-08-20T08:32:13.840117Z 0 [Note] Server socket created on IP: '::'.
2024-08-20T08:32:13.888435Z 0 [Note] Event scheduler: loaded 0 events
2024-08-20T08:32:13.889051Z 0 [Note] /usr/sbin/mysqld: ready for connections.
Version: '5.7.38-enterprise-commercial-advanced' socket: '/var/lib/mysql/mysql.sock' port: 3306 MySQL Enterprise Server -
Advanced Edition (Commercial)
2024-08-20T08:46:31.628063Z 3 [warning] IP address '10.0.0.112' could not be resolved: Name or service not known
2024-08-20T08:57:41.070314Z 4 [Note] Access denied for user 'root'@'localhost' (using password: NO)
```

Redis:

tail -f /var/log/redis/redis.log

```
[root@mysql redis]# tail -f /var/log/redis/redis.log
2740:M 20 Aug 05:28:33.106 # WARNING: The TCP backlog setting of 511 cannot be enforced because /proc/sys/net/core/somaxconn
is set to the lower value of 128.
2740:M 20 Aug 05:28:33.106 # Server started, Redis version 3.2.12
2740:M 20 Aug 05:28:33.106 # WARNING overcommit_memory is set to 0! Background save may fail under low memory condition. To
fix this issue add 'vm.overcommit_memory = 1' to /etc/sysctl.conf and then reboot or run the command 'sysctl vm.overcommit_m
emory=1' for this to take effect.
2740:M 20 Aug 05:28:33.106 # WARNING you have Transparent Huge Pages (THP) support enabled in your kernel. This will create
latency and memory usage issues with Redis. To fix this issue run the command 'echo never > /sys/kernel/mm/transparent_hugep
age/enabled' as root, and add it to your /etc/rc.local in order to retain the setting after a reboot. Redis must be restarte
d after THP is disabled.
2740:M 20 Aug 05:28:33.107 * DB loaded from disk: 0.000 seconds
2740:M 20 Aug 05:28:33.107 * The server is now ready to accept connections on port 6379
```

无日志输出

最后查看操作系统日志/var/log/messages

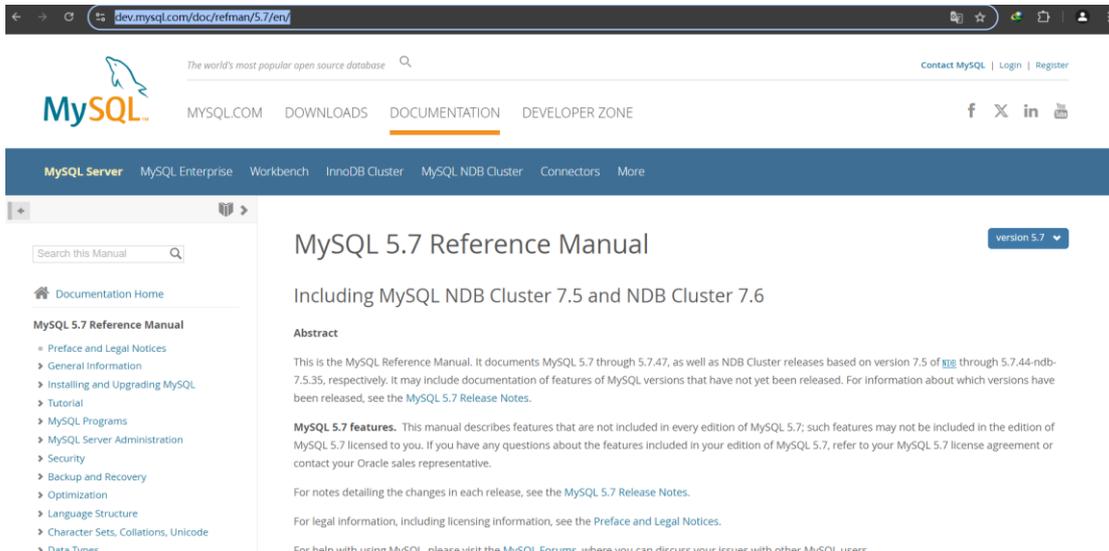
```
[root@java ~]#
[root@java ~]# tail -f /var/log/messages
Aug 13 14:00:06 java systemd[1]: Started system activity accounting tool.
Aug 13 14:10:06 java systemd[1]: Starting system activity accounting tool...
Aug 13 14:10:06 java systemd[1]: sysstat-collect.service: Succeeded.
Aug 13 14:10:06 java systemd[1]: Started system activity accounting tool.
Aug 13 14:20:49 java systemd[1]: Starting system activity accounting tool...
Aug 13 14:20:49 java systemd[1]: sysstat-collect.service: Succeeded.
Aug 13 14:20:49 java systemd[1]: Started system activity accounting tool.
Aug 13 14:30:06 java systemd[1]: Starting system activity accounting tool...
Aug 13 14:30:06 java systemd[1]: sysstat-collect.service: Succeeded.
Aug 13 14:30:06 java systemd[1]: Started system activity accounting tool.
```

```
[root@lpane] log]# pwd
/opt/lpane/log
[root@lpane] log]#
[root@lpane] log]#
[root@lpane] log]# tail -100f lpane1.log
2024-08-12 16:16:08 [INFO] init logger successfully
2024-08-12 16:16:08 [INFO] init monitor db successfully
2024-08-12 16:16:08 [INFO] init db successfully
2024-08-12 16:16:08 [INFO] Migration run successfully
2024-08-12 16:16:09 [INFO] init cache successfully
2024-08-12 16:16:09 [INFO] init session successfully
2024-08-12 16:16:10 [DEBUG] synchronize system time with [pool.ntp.org] successfull
2024-08-12 16:16:13 [INFO] [xpack] init db successfully
2024-08-12 16:16:13 [INFO] [xpack] migration run successfully
2024-08-12 16:16:13 [ERROR] init waf error openresty not found
2024-08-12 16:16:13 [INFO] listen at http://0.0.0.0:20453 [tcp4]
2024-08-12 16:16:13 [INFO] Starting synchronization with App Store...
2024-08-12 16:16:13 [INFO] [AppStore] download file from https://apps-assets.fit2cloud.com/stable/lpane1.json.zip
2024-08-12 16:16:13 [INFO] Starting synchronization of application details...
2024-08-12 16:16:15 [INFO] Synchronization of application details Success
2024-08-12 16:16:15 [INFO] Synchronization with the App Store was successful!
2024-08-12 16:21:11 [INFO] init logger successfully
2024-08-12 16:21:11 [INFO] init monitor db successfully
2024-08-12 16:21:11 [INFO] init db successfully
2024-08-12 16:21:11 [INFO] Migration run successfully
2024-08-12 16:21:12 [INFO] init cache successfully
```

7、Mysql 官方手册

<https://dev.mysql.com/doc/refman/5.7/en/>

浏览器输入链接信息。



官方手册内容收录内容如下：

Documentation Home

MySQL 5.7 Reference Manual

- Preface and Legal Notices
- General Information
- Installing and Upgrading MySQL
- Tutorial
- MySQL Programs
- MySQL Server Administration
- Security
- Backup and Recovery
- Optimization
- Language Structure
- Character Sets, Collations, Unicode
- Data Types
- Functions and Operators
- SQL Statements
- The InnoDB Storage Engine
- Alternative Storage Engines
- Replication
- Group Replication
- MySQL Shell
- Using MySQL as a Document Store
- InnoDB Cluster

- ▶ [Getting MySQL 5.7 Documentation](#)
- InnoDB Cluster
- ▶ MySQL NDB Cluster 7.5 and NDB Cluster 7.6
- ▶ Partitioning
- ▶ Stored Objects
- ▶ INFORMATION_SCHEMA Tables
- ▶ [MySQL Performance Schema](#)
- ▶ MySQL sys Schema
- ▶ Connectors and APIs
- ▶ MySQL Enterprise Edition
- MySQL Workbench
- ▶ MySQL 5.7 Frequently Asked Questions
- ▶ Error Messages and Common Problems
- ▶ Indexes
- MySQL Glossary

三、技术支持

1、售后服务

- (1) 您可以第一时间在阿里云市场联系售后获取服务。

- (2) 服务时间：09:00-18:00（紧急情况请打电话）
- (3) 服务热线：18091296777、4009030002 转 15953
- (4) 服务邮箱：22958288@qq.com

2、服务范围

远程支持：如果您在使用过程中遇到技术操作问题，请及时联系客服，我们的工程师可远程协助您完成操作。

定制服务：本公司支持一对一定制服务，如您的业务环境有特殊需求，请与客服联系。

付费服务：本公司可提供镜像部署、故障处理、安全运维代维等一站式托管服务，全面涵盖服务器环境配置，网站程序调试，数据库配置更改，数据库权限、账户，系统安全加固，故障排查，系统调优，数据库优化等范围。如您有相关需求，请咨询客服。