

镜像使用文档

【登录】

服务器登录：使用 xshell, scureCRT 工具链接服务器

服务器端口开放：

阿里云安全组开放端口：22 3306 6379 80 （参考阿里云安全组操作）

【产品版本】

软件服务：Mysql5.7.31, jdk1.8, Nginx1.8.1, redis6.0., start-boot

安全服务：基于阿里云 ces, 系统优化, 源码安装

使用服务：方便快捷易管理

后期服务：工程师在线指导

【产品亮点】

基于阿里云 ECS, Centos 系统安全加固, 融合多年 linux 运维经验以环境搭建, 源码安装 Mysql5.7.31, jdk1.8, Nginx1.8.1, redis6.0., start-boot, 是开发人员的不二之选

【产品使用详情】

【Mysql 使用】

用户名：root

密码：waoqi123

端口：3306

```
[root@iz8vbhi25cl4o3wmes6z69Z ~]# mysql -uroot -p
Enter password:
welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.31 MySQL Community Server (GPL)

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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>
```

【安装目录】

```
[root@iz8vbhi25cl4o3wmes6z69Z ~]# cd /usr/local/mysql-5.7/
```

```

[root@iz8vbhi25c14o3wmes6z69Z ~]# cd /usr/local/mysql-5.7/
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]# ll
total 308
drwxr-xr-x  2 mysql mysql  4096 Jun  2  2020 bin
drwxr-xr-x  5 mysql mysql  4096 Feb 23 22:54 data
drwxr-xr-x  2 mysql mysql  4096 Jun  2  2020 docs
drwxr-xr-x  3 mysql mysql  4096 Jun  2  2020 include
drwxr-xr-x  5 mysql mysql  4096 Jun  2  2020 lib
-rw-r--r--  1 mysql mysql 275393 Jun  2  2020 LICENSE
drwxr-xr-x  4 mysql mysql  4096 Jun  2  2020 man
-rw-r--r--  1 mysql mysql   587 Jun  2  2020 README
drwxr-xr-x 28 mysql mysql  4096 Jun  2  2020 share
drwxr-xr-x  2 mysql mysql  4096 Feb 23 16:38 support-files
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]# pwd
/usr/local/mysql-5.7
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]#
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]#

```

【启动关闭】

启动 mysql 服务[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]# /etc/init.d/mysql start

停止 Mysql 服务[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]# /etc/init.d/mysql stop

查看状态: [root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]# /etc/init.d/mysql status

如图展示:

```

[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]#
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]# /etc/init.d/mysql stop
Shutting down MySQL. [ OK ]
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]#
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]# /etc/init.d/mysql start
Starting MySQL. [ OK ]
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]#
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]#
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]#
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]# /etc/init.d/mysql status
MySQL running (1876) [ OK ]
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]#
[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]#

```

【登录 mysql】

mysql -uroot -p

输入密码: waoqi123

```

[root@iz8vbhi25c14o3wmes6z69Z mysql-5.7]# mysql -uroot -p
Enter password:
welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.31 MySQL Community Server (GPL)

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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>
mysql>

```

授权远程链接:

grant all privileges on *.* to root@%' identified by 'waoqi123';

flush privileges;

```
[root@iz8vbh125cl4o3wmes6z69z mysql-5.7]#  
[root@iz8vbh125cl4o3wmes6z69z mysql-5.7]# mysql -uroot -p  
Enter password:  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 2  
Server version: 5.7.31 MySQL Community Server (GPL)  
  
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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>  
mysql> grant all privileges on *.* to root@'%' identified by 'waoqi123';  
Query OK, 0 rows affected, 1 warning (0.00 sec)  
  
mysql> flush privileges;  
Query OK, 0 rows affected (0.00 sec)  
  
mysql>  
mysql>
```

修改密码:

```
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY '123456';  
flush privileges;
```

```
mysql>  
mysql>  
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'waoqi123';  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> flush privileges;  
Query OK, 0 rows affected (0.00 sec)  
  
mysql>  
mysql>
```

【Redis 使用】

端口: 6379
安装目录: /usr/local/redis

【启动 Redis】

```
[root@iz8vbh125cl4o3wmes6z69Z mysql-5.7]# cd /usr/local/redis/  
[root@iz8vbh125cl4o3wmes6z69Z redis]# bin/redis-server &
```

```
[root@iz8vbh125cl4o3wmes6z69Z redis]# bin/redis-server &  
[1] 1962  
[root@iz8vbh125cl4o3wmes6z69Z redis]# 1962: C 23 Feb 2021 23:13:26.514 # 000000000000 Redis is starting 000000000000  
1962: C 23 Feb 2021 23:13:26.514 # Redis version=6.0.3, bits=64, commit=00000000, modified=0, pid=1962, just started  
1962: C 23 Feb 2021 23:13:26.514 # warning: no config file specified, using the default config. In order to specify a config file use bin/redis-server /path/to/redis.conf  
  
Redis 6.0.3 (00000000/0) 64 bit  
Running in standalone mode  
Port: 6379  
PID: 1962  
  
http://redis.io  
  
1962:M 23 Feb 2021 23:13:26.515 # WARNING: The TCP backlog setting of 511 cannot be enforced because /proc/sys/net/core/somaxconn is set to the lower value of 128.  
1962:M 23 Feb 2021 23:13:26.515 # Server initialized  
1962:M 23 Feb 2021 23:13:26.515 # 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_memory=1' for this to take effect.  
1962:M 23 Feb 2021 23:13:26.515 # 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_hugepage/enabled' as root, and add it to your /etc/rc.local in order to retain the setting after a reboot. Redis must be restarted after THP is disabled.  
1962:M 23 Feb 2021 23:13:26.515 * Loading RDB produced by version 6.0.3  
1962:M 23 Feb 2021 23:13:26.515 * RDB age: 5 seconds  
1962:M 23 Feb 2021 23:13:26.515 * RDB memory usage when created: 0.76 Mb  
1962:M 23 Feb 2021 23:13:26.515 * DB loaded from disk: 0.000 seconds  
1962:M 23 Feb 2021 23:13:26.515 * Ready to accept connections  
  
[root@iz8vbh125cl4o3wmes6z69Z redis]#  
[root@iz8vbh125cl4o3wmes6z69Z redis]#
```

【配置文件】

/usr/local/redis/ redis.conf

【Nginx 使用】

安装目录： /usr/local/nginx

启动 nginx: [root@iz8vbhi25c14o3wmes6z69Z nginx]# sbin/nginx -c conf/nginx.conf

```
/usr/local/redis
[root@iz8vbhi25c14o3wmes6z69Z redis]# cd /usr/local/nginx/
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
[root@iz8vbhi25c14o3wmes6z69Z nginx]# pwd
/usr/local/nginx
[root@iz8vbhi25c14o3wmes6z69Z nginx]# sbin/nginx -c conf/nginx.conf
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
```

查看进程 [root@iz8vbhi25c14o3wmes6z69Z nginx]# ps -ef | grep nginx

```
[root@iz8vbhi25c14o3wmes6z69Z nginx]# ps -ef | grep nginx
root      1978      1  0 23:17 ?        00:00:00 nginx: master process sbin/nginx -c conf/nginx.conf
www       1979    1978  0 23:17 ?        00:00:00 nginx: worker process
root      1990    1187  0 23:18 pts/0    00:00:00 grep --color=auto nginx
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
```

杀死进程: kill 进程号

```
[root@iz8vbhi25c14o3wmes6z69Z nginx]# kill 1978
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
[root@iz8vbhi25c14o3wmes6z69Z nginx]# ps -ef | grep nginx
root      2001    1187  0 23:20 pts/0    00:00:00 grep --color=auto nginx
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
[root@iz8vbhi25c14o3wmes6z69Z nginx]#
```

【JDK 信息】

安装目录： /usr/local/jdk1.8

查看 Jdk 版本:

```
[root@iz8vbhi25c14o3wmes6z69Z jdk1.8]# java -version
java version "1.8.0_191"
Java(TM) SE Runtime Environment (build 1.8.0_191-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.191-b12, mixed mode)
[root@iz8vbhi25c14o3wmes6z69Z jdk1.8]#
[root@iz8vbhi25c14o3wmes6z69Z jdk1.8]#
[root@iz8vbhi25c14o3wmes6z69Z jdk1.8]#
```