

JumpServer 0.5.0 版本部署文档手册

部署环境：测试环境（新装的操作系统）

操作系统：CentOS-7.2-x64

IP 地址：180.76.116.43

注意事项：不管系统级的防火墙还是硬件级的防火墙都要关闭！（硬件防火墙一定要开启相对应的端口号）

1. 关闭系统防火墙和 SELinux 服务

```
# systemctl stop firewalld
```

```
# systemctl disable firewalld
```

2. 修改主机名称

```
# hostname JumpServer
```

```
# echo "JumpServer" > /etc/hostname
```

3. 安装依赖包

```
# yum -y install wget sqlite-devel xz gcc automake zlib-devel openssl-devel epel-release git vim
```

4. 安装 Python

```
# wget https://www.python.org/ftp/python/3.6.2/Python-3.6.2.tar.xz
```

```
# tar xvf Python-3.6.2.tar.xz
```

```
# cd Python-3.6.2/
```

```
# ./configure && make && make install
```

5. 安装 JumpServer

```
# cd /opt/

# python3 -m venv py3

# source /opt/py3/bin/activate

# git clone --depth=1 https://github.com/jumpserver/jumpserver.git && cd jumpserver && git checkout dev

# cd /opt/jumpserver/requirements

# yum -y install $(cat rpm_requirements.txt)

# pip install -r requirements.txt
```

6. 安装 Redis

```
# yum -y install redis

# systemctl start redis.service
```

7. 安装 Mariadb 数据库

```
# yum -y install mariadb mariadb-devel mariadb-server

# systemctl start mariadb.service

# mysql

MariaDB [(none)]> create database jumpserver default charset 'utf8';

MariaDB [(none)]> grant all on jumpserver.* to 'jumpserver'@'127.0.0.1' identified by '123456';

MariaDB [(none)]> quit
```

8. 配置 JumpServer

```
# cd /opt/jumpserver

# cp config_example.py config.py

# vi config.py
```

在文件中找到 class DevelopmentConfig(Config):这一行

修改成以下内容和格式 (**注意：一定按照源文件的格式进行书写，否则报错！**)：

官方建议：下面这些内容的值可以完全保持默认状态，在 JumpServer 的 Web 页面上可以自由修改，我是手动修改的，建议大家使用官方的建议！

```
class DevelopmentConfig(Config):
```

```
    DEBUG = True
```

```
    DB_ENGINE = 'mysql'
```

```
    DB_HOST = '127.0.0.1'
```

```
    DB_PORT = 3306
```

```
    DB_USER = 'jumpserver'
```

```
    DB_PASSWORD = '123456'
```

解释：数据库密码

```
    DB_NAME = 'jumpserver'
```

```
    EMAIL_HOST = 'smtp.exmail.qq.com'
```

```
    EMAIL_PORT = 465
```

```
    EMAIL_HOST_USER = 'liuqi@incarcar.com'
```

解释：你的邮箱地址

```
    EMAIL_HOST_PASSWORD = 'liuqi'
```

解释：你的邮箱密码

```
    EMAIL_USE_SSL = True
```

```
    EMAIL_USE_TLS = False
```

```
    EMAIL_SUBJECT_PREFIX = '[Jumpserver] '
```

```
    SITE_URL = 'http://180.76.116.43:8080'
```

解释：浏览器访问的地址

```
# cd /opt/jumpserver/utls/
```

```
# bash make_migrations.sh
```

```
# cd /opt/jumpserver/
```

```
# python3 run_server.py all
```

9. 安装 SSH Server Web Socket Server : Coco

请打开一个新的终端界面

```
# cd /opt
```

```
# source /opt/py3/bin/activate
```

```
# git clone https://github.com/jumpserver/coco.git && cd coco && git checkout dev
```

```
# cd /opt/coco/requirements
```

```
# yum -y install $(cat rpm_requirements.txt)
```

```
# pip install -r requirements.txt
```

```
# cd /opt/coco
```

```
# cp conf_example.py conf.py
```

```
# vim conf.py
```

(注意 : 书写格式 !)

```
# CORE_HOST = os.environ.get("CORE_HOST") or 'http://127.0.0.1:8080'
```

```
CORE_HOST = 'http://180.76.116.43:8080'
```

```
# SSHD_PORT = 2222
```

```
SSHD_PORT = 3333
```

```
# python3 run_server.py
```

1- 用浏览器访问该地址 : <http://180.76.116.43:8080/terminal/terminal/>

2- 点击接受按钮

3- 点击确认按钮 (注意 : 因为之前把 2222 端口改成 3333 端口了 , 所以在这里也要修改成 3333 端口)

4- 在系统中出现以下内容证明配置成功 !

Coco version 0.5.0, more see <https://www.jumpserver.org>

Quit the server with CONTROL-C.

Starting ssh server at 0.0.0.0:3333

Starting websocket server at 0.0.0.0:5000

WebSocket transport not available. Install eventlet or gevent and gevent-websocket for improved performance.

* Running on http://0.0.0.0:5000/ (Press CTRL+C to quit)

请再打开一个终端界面

```
# ssh -p 3333 admin@180.76.116.43
```

1- 手动输入 yes

2- 输入 admin 账户的密码

3- 如果出现以下界面说明配置成功！

```
Administrator, 欢迎使用Jumpserver开源跳板机系统

1) 输入 ID 直接登录 或 输入部分 IP,主机名,备注 进行搜索登录(如果唯一).
2) 输入 / + IP, 主机名 or 备注 搜索, 如: /ip
3) 输入 P/p 显示您有权限的主机.
4) 输入 G/g 显示您有限的主机组.
5) 输入 G/g + 组ID 显示该组下主机, 如: g1
6) 输入 H/h 帮助.
0) 输入 Q/q 退出.

0pt> █
```

10. 安装 Luna 与配置 Nginx

```
# cd

# wget https://github.com/jumpserver/luna/releases/download/0.5-beta-1/luna.tar.gz

# tar xvf luna.tar.gz

# mv luna /opt/

# rpm -Uvh http://nginx.org/packages/centos/7/noarch/RPMS/nginx-release-centos-7-0.el7ngx.noarch.rpm

# yum install nginx -y

# systemctl start nginx.service

# vim /etc/nginx/conf.d/jumpserver.conf
```

```
server {  
  
    listen 80;  
  
    proxy_set_header X-Real-IP $remote_addr;  
  
    proxy_set_header Host $host;  
  
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;  
  
    location /luna/ {  
  
        try_files $uri /index.html;  
  
        alias /opt/luna/;  
  
    }  
  
    location /media/ {  
  
        add_header Content-Encoding gzip;  
  
        root /opt/jumpserver/data/;  
  
    }  
  
    location /static/ {  
  
        root /opt/jumpserver/data/;  
  
    }  
  
    location /socket.io/ {  
  
        proxy_pass      http://localhost:5000/socket.io/;  
  
        proxy_http_version 1.1;  
  
        proxy_set_header Upgrade $http_upgrade;  
  
        proxy_set_header Connection "upgrade";  
  
    }  
  
    location / {  
  
        proxy_pass http://localhost:8080;  
  
    }  
}
```

```
}
```

```
# vim /etc/nginx/nginx.conf
```

```
include /etc/nginx/conf.d/jumpserver.conf;
```

```
# systemctl restart nginx.service
```

在浏览器上输入：http://180.76.116.43

