

Linux .Net Core Nginx部署

1.环境安装

- .Net Core环境安装

```
1.注册Microsoft密钥
sudo rpm -Uvh https://packages.microsoft.com/config/centos/7/packages-microsoft-prod.rpm
2.SDK安装
sudo yum install dotnet-sdk-3.1
```

参考: <https://docs.microsoft.com/zh-cn/dotnet/core/install/linux-package-manager-centos7>

- Zip上传、解压插件

```
yum -y install unzip
yum -y install lrzsz
```

命令参考: <https://blog.csdn.net/bettersun00/article/details/84018953>

2.Nginx安装

- 安装依赖

```
yum -y install gcc zlib zlib-devel pcre-devel openssl openssl-devel
```

- 执行操作

```
1. cd /usr/local
2. mkdir nginx
3. cd nginx
4. wget http://nginx.org/download/nginx-1.15.1.tar.gz
5. tar -xvf nginx-1.15.1.tar.gz
6. cd nginx-1.15.1
7. ./configure
8. make && make install
```

- 修改配置

```
vi /usr/local/nginx/conf/nginx.conf
```

配置内容:

```
server {  
    listen 801;  
    location / {  
        proxy_pass http://localhost:5000;  
        proxy_http_version 1.1;  
        proxy_set_header Upgrade $http_upgrade;  
        proxy_set_header Connection keep-alive;  
        proxy_set_header Host $host;  
        proxy_cache_bypass $http_upgrade;  
    }  
}
```

- Nginx命令

```
#启动  
/usr/local/nginx/sbin/nginx  
#重启  
/usr/local/nginx/sbin/nginx -s reload  
#关闭进程  
/usr/local/nginx/sbin/nginx -s stop  
#平滑关闭  
/usr/local/nginx/sbin/nginx -s quit  
#查看安装状态  
/usr/local/nginx/sbin/nginx -t  
/usr/local/nginx/sbin/nginx -V
```

3.程序部署

- 程序运行

- 1、mkdir webappdev
- 2、cd webappdev
- 3、rz 上传压缩文件，这里我是publish.zip
- 4、unzip publish.zip
- 5、cd publish
- 6、dotnet WebApp.dll

- 注册开机启动服务

- 1、cd /etc/systemd/system
- 2、touch [服务名称].service, 配置内容如下:

```
[Unit]  
Description=dotnet webappdev service  
  
[Service]  
WorkingDirectory=/root/webappdev/publish
```

```
ExecStart=/usr/bin/dotnet /root/webappdev/publish/WebApp.dll
Restart=always
RestartSec=10
KillSignal=SIGINT
SyslogIdentifier=publish
User=root
Environment=ASPNETCORE_ENVIRONMENT=Production
Environment=DOTNET_PRINT_TELEMETRY_MESSAGE=false

[Install]
WantedBy=multi-user.target
```

详解：

参数	注解
Description	服务描述
WorkingDirectory	服务工作的目录
ExecStart	启动时执行的命令
Restart	出错了是否重启(建议 always)
RestartSec	重启的时间
User	用户
WantedBy	该服务所在的连接地址

• 常用命令

```
1.设置服务自动启动: systemctl enable [服务名称].service
1.设置服务不自动启动: systemctl disable [服务名称].service
2.启动服务 systemctl start [服务名称].service
3.服务状态 systemctl status [服务名称].service
4.重启服务 systemctl restart [服务名称].service
5.显示所有服务: systemctl list-units --all --type=service
6.显示所有已启动服务: systemctl list-units --type=service
6.查看某一个服务 ps -elf | grep 服务名称
```

4.附加

1.vim常用命令

默认vim打开后是不能录入的，需要按键才能操作，具体如下： 开启编辑：按“i”或者“Insert”键

退出编辑：“Esc”键

退出vim：“:q”

保存vim：“:w”

保存退出vim：“:wq”

不保存退出vim：“:q!”

5.参考链接

[https://docs.microsoft.com/zh-cn/aspnet/core/host-and-deploy/linux-nginx?](https://docs.microsoft.com/zh-cn/aspnet/core/host-and-deploy/linux-nginx?tabs=aspnetcore2x&view=aspnetcore-3.1)

[tabs=aspnetcore2x&view=aspnetcore-3.1](https://docs.microsoft.com/zh-cn/aspnet/core/host-and-deploy/linux-nginx?tabs=aspnetcore2x&view=aspnetcore-3.1)

<https://www.cnblogs.com/dotnetlibao/p/11770027.html>

<https://cloud.tencent.com/developer/article/1503591>

<https://blog.csdn.net/zt102545/article/details/88578864>

<https://www.jianshu.com/p/2ca8a2582701>