**1.安装预备环境**

yum install gcc zlib zlib-devel libffi libffi-devel make

yum install bzip2-devel xz-devel sqlite-devel tk-devel uuid-devel ncurses-devel

yum install -y readline-devel

yum install -y wget

**2.安装openssl**

yum -y install perl perl-CPAN

cpan IPC::Cmd # 安装 IPC::Cmd模块,此过程会有几次交互，直接按y即可

wget https://www.openssl.org/source/openssl-3.0.14.tar.gz

tar -xzvf openssl-3.0.14.tar.gz

cd openssl-3.0.14

./config --prefix=/usr/local/openssl3.0.14 --libdir=lib --openssldir=/etc/ssl

make -j1 depend

make -j8

make install\_sw

**3.安装python**

wget https://www.python.org/ftp/python/3.10.14/Python-3.10.14.tgz

tar -zxvf Python-3.10.14.tgz

cd Python-3.10.14

./configure --with-openssl=/usr/local/openssl3.0.14 --with-openssl-rpath=auto --prefix=/usr/local/python3.10 --enable-shared

make -j8

make altinstall

ln -s /usr/local/python3.10/bin/python3.10 /usr/bin/python3

ln -s /usr/local/python3.10/bin/pip3.10 /usr/bin/pip3

**4.验证**

python3 --version # 出现python版本号：python3.10.14，说明python安装成功.

pip3 --version

**注意：上面每一行代表一个执行命令。**

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1. **安装算法所需的安装包**

cd /root/pycharm/ocr\_recognition/cnocr/ #项目所在目录，按实际情况修改，打包需对ocr\_recognition目录下所有内容进行打包

pip3 install -r requirements.txt -i <https://mirrors.aliyun.com/pypi/simple/>

pvthon3 cnocr\_server.Dy #开启服务

**注意： 服务开启后，访问网址，类似：172.20.31.41:10015/docs，如果出现接口服务界面，说明python环境部署成功。**

**注意：完成到此，才算正式部署python模型算法环境。**

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**6.常见问题**

问题一：[centos遇到 /lib64/libstdc++.so.6: version `GLIBCXX\_3.4.20' not found怎么解决？](https://www.cnblogs.com/liqi175/p/16566915.html" \o "发布于 2022-08-09 17:30)

wget <https://repo.anaconda.com/archive/Anaconda3-2019.07-Linux-x86_64.sh>

sh Anaconda3-2019.07-Linux-x86\_64.sh

cp anaconda3/lib/libstdc++.so.6.0.26 /usr/lib64

rm /usr/lib64/libstdc++.so.6

ln -s /usr/lib64/libstdc++.so.6.0.26 /usr/lib64/libstdc++.so.6

问题二：ImportError: libpython3.10.so.1.0: cannot open shared object file: No such file or directory

cp /usr/local/Python-3.10.14/libpython3.10.so.1.0 /usr/lib64/