# centos7安装python3

1. 安装必要库

yum install zlib-devel bzip2-devel openssl-devel ncurses-devel sqlite-devel readline-devel tk-devel gcc make

1. 下载python3源码

wget <http://npm.taobao.org/mirrors/python/3.6.4/Python-3.6.4.tar.xz>

1. 解压

xz -d Python-3.6.4.tar.xz

tar -xf Python-3.6.4.tar

1. 进入Python-3.6.4目录，编译源码

cd Python-3.6.4

./configure prefix=/usr/local/python3

make && make install

1. 备份源python软链

mv /usr/local/bin/python /usr/local/bin/python.bak

1. 创建新的软链指向python3

ln -s /usr/local/python3/bin/python3.6 /usr/bin/python

1. 验证python版本

python -V

1. yum需要python2执行，修改yum相关配置

vim /usr/bin/yum

把#! /usr/bin/python修改为#! /usr/bin/python2

vim /usr/libexec/urlgrabber-ext-down

把#! /usr/bin/python 修改为#! /usr/bin/python2

1. 安装pip3，python3自带pip3,

添加软链

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

1. pip3升级

pip3 install --upgrade pip