# Centos7升级至openssh9.3p1

1. **自制rpm包**

yum install -y rpm-build gcc gcc-c++ glibc glibc-devel openssl-devel openssl pcre-devel zlib zlib-devel make wget krb5-devel pam-devel libX11-devel xmkmf libXt-devel initscripts libXt-devel imake gtk2-devel lrzsz

1. **创建自制相关目录**：

mkdir -pv /root/rpmbuild/{BUILD,BUILDROOT,RPMS,SOURCES,SPECS,SRPMS}

1. **下载openssh和x11-ssh-askpass安装包**

cd /root/rpmbuild/SOURCES/

wget https://mirrors.aliyun.com/pub/OpenBSD/OpenSSH/portable/openssh-9.3p1.tar.gz

tar -xf openssh-9.3p1.tar.gz

#下载x11-ssh-askpass-1.2.4.1.tar.gz

wget <https://src.fedoraproject.org/repo/pkgs/openssh/x11-ssh-askpass-1.2.4.1.tar.gz>

1. **编辑编译配置文件**

cp openssh-9.3p1/contrib/redhat/openssh.spec /root/rpmbuild/SPECS/

cd /root/rpmbuild/SPECS/

#不生产ask包

sed -i -e "s/%global no\_gnome\_askpass 0/%global no\_gnome\_askpass 1/g" openssh.spec

sed -i -e "s/%global no\_x11\_askpass 0/%global no\_x11\_askpass 1/g" openssh.spec

#修改openssl-devel的报错

sed -i '/openssl-devel < 1.1/s/^/#/' openssh.spec

#修改PreReq的报错

sed -i '/PreReq:/s/^/#/' openssh.spec

1. **编辑文件：**

rpmbuild -ba openssh.spec

#生产rpm文件

[root@localhost SPECS]# ls /root/rpmbuild/RPMS/x86\_64/

openssh-9.3p1-1.el7.x86\_64.rpm openssh-debuginfo-9.3p1-1.el7.x86\_64.rpm

openssh-clients-9.3p1-1.el7.x86\_64.rpm openssh-server-9.3p1-1.el7.x86\_64.rpm

1. **升级openssh**

yum localinstall openssh-9.3p1-1.el7.x86\_64.rpm openssh-clients-9.3p1-1.el7.x86\_64.rpm openssh-server-9.3p1-1.el7.x86\_64.rpm –y

1. **关闭 SELinux**

vi /etc/selinux/config

SELINUXTYPE=disabled

临时：setenforce 0

1. **验证openssh升级成功**

#修改文件权限 必要步骤

chmod 600 /etc/ssh/ssh\_host\_rsa\_key

chmod 600 /etc/ssh/ssh\_host\_ecdsa\_key

chmod 600 /etc/ssh/ssh\_host\_ed25519\_key

#检查是否有配置错误 非必要步骤

sshd -t

#/etc/pam.d/sshd配置丢失，从其他机器拷贝一份配置过来

#注释掉/etc/pam.d/password-auth /etc/pam.d/system-auth中uid >= 1000的行， 否则root不能登陆 非必要步骤

sed -i '/uid < 1000/s/^/#/' /etc/pam.d/password-auth

sed -i '/uid < 1000/s/^/#/' /etc/pam.d/system-auth

#修改/etc/ssh/sshd\_config 非必要步骤

sed -i '/^#PermitRootLogin yes/s/^#//' /etc/ssh/sshd\_config

#重启sshd服务

echo "PermitRootLogin yes" >> /etc/ssh/sshd\_config

systemctl restart sshd