# openssl 升级

**先于openssh升级**

#!/bin/bash  
export PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin:/root/bin  
  
if [ $UID -ne 0 ]; then  
echo "Superuser privileges are required to run this script."  
exit 1  
fi  
  
log\_err() {  
 printf "[$(date +'%Y-%m-%dT%H:%M:%S')]: \033[31mERROR: $@ \033[0m\n"  
}  
  
log\_info() {  
 printf "[$(date +'%Y-%m-%dT%H:%M:%S')]: \033[32mINFO: $@ \033[0m\n"  
}  
  
log\_warning() {  
 printf "[$(date +'%Y-%m-%dT%H:%M:%S')]: \033[33mWARNING: $@ \033[0m\n"  
}  
  
LOGDIR=/var/log/init\_record  
if [ ! -d ${LOGDIR} ];then mkdir -vp ${LOGDIR}; fi  
  
upgrade\_openssl () {  
 log\_info "[-] update\_openssl Configuring..." |tee -a ${LOGDIR}/${log\_name}  
 yum -y install gcc gcc-c++ glibc make autoconf openssl openssl-devel pcre-devel pam-devel |tee -a ${LOGDIR}/${log\_name}  
 yum install -y zlib\* pam\* zlib\* |tee -a ${LOGDIR}/${log\_name}  
 mv /usr/bin/openssl{,.bak} |tee -a ${LOGDIR}/${log\_name}  
 mv /usr/include/openssl{,.bak} |tee -a ${LOGDIR}/${log\_name}  
 tar xf ${opensslVer}.tar.gz  
  
 ls /usr/local/openssl/bin/openssl |tee -a ${LOGDIR}/${log\_name}  
 ls /usr/local/openssl/include/openssl/ -d |tee -a ${LOGDIR}/${log\_name}  
 ln -sfv /usr/local/openssl/bin/openssl /usr/bin/openssl |tee -a ${LOGDIR}/${log\_name}  
 ln -sfv /usr/local/openssl/lib/libssl.so.1.1 /usr/lib64/libssl.so.1.1 |tee -a ${LOGDIR}/${log\_name}  
 ln -sfv /usr/local/openssl/lib/libcrypto.so.1.1 /usr/lib64/libcrypto.so.1.1 |tee -a ${LOGDIR}/${log\_name}  
 ln -sfv /usr/local/openssl/include/openssl /usr/include/openssl |tee -a ${LOGDIR}/${log\_name}  
 echo "/usr/local/openssl/lib" >> /etc/ld.so.conf   
 /sbin/ldconfig |tee -a ${LOGDIR}/${log\_name}  
 openssl version |tee -a ${LOGDIR}/${log\_name}  
 cd ${sh\_path}  
 log\_info "[\*] update\_openssl successful!" |tee -a ${LOGDIR}/${log\_name}  
}  
  
check\_openssl() {  
 log\_name=check\_openssl.log  
 succ\_num=$(grep successful ${LOGDIR}/${log\_name}|wc -l)  
 if [ ! -f ${LOGDIR}/${log\_name} -o ${succ\_num} -eq 0 ];then  
 while true;do  
 curl https://www.openssl.org/source/ > dwopenssl.log 2>&1  
 num=$(grep openssl-1.\*.tar.gz dwopenssl.log |wc -l)  
 if [ ${num} != 1 ];then   
 echo "未获取到最新版本，将继续尝试下载，请耐心等待！" |tee -a ${LOGDIR}/${log\_name}  
 else   
 echo "获取到最新版本,开始下载！" |tee -a ${LOGDIR}/${log\_name}  
 opensslVer=$(grep openssl-1.\*.tar.gz dwopenssl.log |awk -F'"' '{print $2}'|awk -F . '{print $1"."$2"."$3}')  
 while true;do  
 wget --no-check-certificate https://www.openssl.org/source/${opensslVer}.tar.gz|tee -a ${LOGDIR}/${log\_name}  
 if [ "$?" != 0 ];then  
 echo "未下载成功，将继续尝试下载，请耐心等待！" |tee -a ${LOGDIR}/${log\_name}  
 else   
 echo "下载成功,开始部署！" |tee -a ${LOGDIR}/${log\_name}  
 upgrade\_openssl  
 break  
 fi  
 done  
 break  
 fi  
 done  
 else  
 log\_info "[\*] update\_openssl Configuration already!...!"  
 fi  
}  
  
main (){  
 check\_openssl  
}  
  
main "$@"