# 时间同步

time\_zone() {  
 # (1) 时区设置东8区  
 log\_name=time\_zone.log  
 succ\_num=$(grep successful ${LOGDIR}/${log\_name}|wc -l)  
 if [ ! -f ${LOGDIR}/${log\_name} -o ${succ\_num} -eq 0 ];then  
 log\_info "[-] time\_zone Configuring... " |tee -a ${LOGDIR}/${log\_name}  
 rm -rf /etc/localtime |tee -a ${LOGDIR}/${log\_name}  
 ln -sf /usr/share/zoneinfo/Asia/Shanghai /etc/localtime |tee -a ${LOGDIR}/${log\_name}  
 ls -ln /etc/localtime |tee -a ${LOGDIR}/${log\_name}  
 echo -e "\r${RGB\_SUCCESS}Configuration Success${RGB\_END}"  
 log\_info "[\*] time\_zone Configuring successfully!........." |tee -a ${LOGDIR}/${log\_name}  
 # (2) 时间同步软件安装  
 log\_info "[-] Ntp Time Configuring... " |tee -a ${LOGDIR}/${log\_name}  
 sudo tee /etc/chrony.conf << 'EOF'  
pool ntp.ntsc.ac.cn iburst maxsources 1  
pool ntp.tencent.com iburst maxsources 1  
pool ntp.aliyun.com iburst maxsources 4  
keyfile /etc/chrony.keys  
driftfile /var/lib/chrony/chrony.drift  
logdir /var/log/chrony  
maxupdateskew 100.0  
rtcsync  
makestep 1.0 3  
EOF  
 systemctl enable chronyd && systemctl restart chronyd && systemctl status chronyd -l |tee -a ${LOGDIR}/${log\_name}  
  
 # 将当前的 UTC 时间写入硬件时钟 (硬件时间默认为UTC)  
 sudo timedatectl set-local-rtc 0 |tee -a ${LOGDIR}/${log\_name}  
 # 启用NTP时间同步：  
 timedatectl set-ntp yes |tee -a ${LOGDIR}/${log\_name}  
 # 时间服务器连接查看  
 chronyc tracking |tee -a ${LOGDIR}/${log\_name}  
 # 手动校准-强制更新时间  
 # chronyc -a makestep  
 # 硬件时钟(系统时钟同步硬件时钟 )  
 hwclock --systohc |tee -a ${LOGDIR}/${log\_name}  
 # 备用方案: 采用 ntpdate 进行时间同步 ntpdate s1a.time.edu.cn  
   
 # (3) 重启依赖于系统时间的服务  
 sudo systemctl restart rsyslog.service crond.service |tee -a ${LOGDIR}/${log\_name}  
   
 log\_info "[\*] Tie ntp time configuration modifiy successful! restarting chronyd rsyslog.service crond.service........."  
 timedatectl |tee -a ${LOGDIR}/${log\_name}  
 else  
 log\_info "[\*] Tie ntp time configuration modifiy already!........"  
 fi  
}  
  
time\_zone

<https://www.cnblogs.com/my-show-time/p/14658895.html>

[常见的NTP授时服务器地址](https://blog.csdn.net/james1989vip/article/details/113830683)

<https://blog.buwo.net/617.html>