

SOP for configuring ntp client with Authentication on Linux Systems

1. Add following entries in hosts file

172.28.124.123 ntp-appliance-colo1

172.28.124.124 ntp-appliance-colo2

2. cp -p /etc/ntp.conf /etc/ntp.conf_ORGTIME

check for the following entries if present in /etc/ntp.conf & if not present add the entries :

keys /etc/ntp/keys

trustedkey 1 2

server ntp-appliance-colo1 key 1

server ntp-appliance-colo2 key 2 **prefer**

NOTE: *Edit /etc/ntp.conf file and update it to reflect above (adding **prefer** keyword). Now, restart the service.*

Open /etc/ntp/keys file (permission of file should be 600)

And add following entries :

1 M x5fiatBU7Fk(Jw|pty7L

2 M xSk?Qbhr#nms0UoiFT82

NOTE: *The existing keys have to be replaced by above mentioned new keys. Ntp service restart is required after doing this change. Without these keys time synchronization will fail. You can confirm if the keys are working as per point 4.*

3. Restart the Ntp daemon (service ntpd stop, service ntpd start)

4. To check the status of NTP, run following command :

ntpq -c peers -c associations

Output will be like below :

:#####

remote refid st t when poll reach delay offset jitter

=====
+ntp-appliance-colo1 .CDMA. 1 u 32 64 377 0.446 1.446 1.180

*ntp-appliance-colo2 .GPS. 1 u 28 64 377 0.420 2.436 0.986

ind assID status conf reach **auth** condition last_event cnt

1 58938 f414 yes yes ok candidat reachable 1

2 58939 f614 yes yes ok sys.peer reachable 1

#####

And confirm that “auth” shows “ok”.

Note: Make sure firewall access exists between client and NTP device on UDP 123 port.

For any queries or support, please contact:

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