Nov 2024, Python CLI Meshtastic 2.5.x, Mac OS

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Document Intro

This document is a practical example, mostly following the examples
and suggestions on https://meshtastic.org/docs/

HW Docs:

https://meshtastic.org/docs/hardware/devices/lilygo/tdeck/

Official documentation for configuration in general:

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https://meshtastic.org/docs/configuration/

    Radio Config:

    https://meshtastic.org/docs/configuration/radio/

    Module Config:
    https://meshtastic.org/docs/configuration/module/

This document was created using any of three LilGo devices: T-Deck, Watch,
or Echo, and I am using a Mac. After the initial setup, one can easily use
the built-in `meshtastic --configure` functionality to restore configs.

Software and other setup

CLI:
https://meshtastic.org/docs/software/python/cli/

Networking (for admin in web browser, for example):
https://meshtastic.org/docs/configuration/radio/network/

--begin-edit Tell the node to open a transaction to edit
settings
--commit-edit Tell the node to commit open settings
transaction

Ways to check node info:

    meshtastic --export-config | grep owner
    meshtastic --info | grep -E "longName|shortName|hwModel"
    meshtastic --nodes

Check owner (Long name and short name in app)
meshtastic --export-config | grep owner

Serial Connection (not needed, but good for debug)

Get device:

billy@NetGear5G tDek % ls /dev/ | grep —i usb
cu.usbmodem64E8334B3A001
tty.usbmodem64E8334B3A001

Serial console:

sudo cu —s 115200 —l /dev/tty.usbmodem64E8334B3A001

https://jasonmurray.org/posts/2020/serialconsolemacos/

Entering Flash Mode

Multiple models of LilyGo HW here:
https://meshtastic.org/docs/hardware/devices/lilygo/twatch/

Steps and scratch work

#export config before anything, save as original and indicate original in filename

meshtastic ——export-config > BACKUP-ORIGINAL-config_$(date "+%Y-%m-%d_%H-%M-%S").yaml

meshtastic ——info > BACKUP-ORIGINAL-config_$(date "+%Y-%m-%d_%H-%M-%S").yaml

meshtastic --version

meshtastic --set lora.region US

meshtastic ——get lora.region #0 is unset, 1 is US

Bluetooth (BT)

#See if BT is enabled
meshtastic ——get bluetooth.enabled

#Check if default 123456 is still the BT pin. If it is already what you reset, then just leave it.

meshtastic ——export-config | grep -i pin

#If its still the same default BT PIN, then change the fixed mode, and set a PIN that only you know. You can always change it back to Random PIN

meshtastic --set bluetooth.enabled true ——set bluetooth.mode FIXED_PIN ——set bluetooth.fixedPin 658736

#Check if the PIN change and mode change were successful.
meshtastic ——export-config | grep -i pin

Channels

https://meshtastic.org/docs/configuration/radio/channels/

```
#Channels already set up on T-Echo, so I am using that URL ("Complete
URL", from bottom of `meshtastic --info`):

meshtastic --seturl
https://meshtastic.org/e/#CgcSAQE6AgggCjISINOmm2k5DmUAyoby_qHg_833urm
0SZhrQ0Gj3rHCZ5wsGgpNeSBDaGFaINbfOgIIIBIMCAE4AUADSAFQHmgB

    #create, name, secure, index channel1 (Secondary channel),
    reboot
    meshtastic --ch-set name 'My Channel' --ch-set psk random --ch-
    index 1
    meshtastic --reboot

#set low and high precision for primary and secondary networks, reboot
meshtastic --ch-set module_settings.position_precision 32 --ch-index 0 --
ch-set module_settings.position_precision 32 --ch-index 1 --reboot
```

Device

```
#Set CLIENT_MUTE and set timezone
```
https://github.com/nayarsystems/posix_tz_db/blob/master/zones.csv
```
meshtastic --set device.role CLIENT_MUTE --set device.tzdef
EST5EDT,M3.2.0,M11.1.0

#Check role:
meshtastic --export-config | grep -Ei "mute|tzdef"
```

Display

```
#For GPS format, use DEC
 DEC Decimal Degrees
--set display.gps_format DEC

#IMPERIAL units
--set display.units IMPERIAL

#Bold Headings
--set display.heading_bold true

# 3-minute screen awake
--set display.screen_on_secs 180

# 10-second carrousel
--set display.auto_screen_carousel_secs 10

# DEFAULT ON: Wake on Tap or Motion (T-Watch accelerometer)
```

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```
--set display.wake_on_tap_or_motion true

#COMMAND:
meshtastic --set display.gps_format DEC --set display.units IMPERIAL --set
display.heading_bold true --set display.screen_on_secs 300 --set
display.auto_screen_carousel_secs 30 --reboot

    #NOTE:
    `display.screen_on_secs` choose: 15 30 60 300 600 900 1800 3600
    always
    `display.auto_screen_carousel_secs` choose: off 15 30 60 300 600 900
```

LoRa Radio Config (set Region)

Table of values for region:
https://meshtastic.org/docs/configuration/radio/lora/

#Region gets set to US

meshtastic --set lora.region US --reboot

Networking (skipped)

```
Skipped
https://meshtastic.org/docs/configuration/radio/network/
```

Position

#Set GPS mode

```
meshtastic --set position.gps_mode NOT_PRESENT

Get GPS coordinates of a location:
https://www.gps-coordinates.net/
```
Latitude: 40.43641 | **Longitude:** -79.90786 (offset +/- in the hundred-
thousandths place)

```
#Only use 5 decimal places. Set lat, lon, alt. Disable smart broadcast
meshtastic --set position.fixed_position true --set
position.position_broadcast_smart_enabled false --setlat 40.43648 --setlon
-79.90791 --setalt 100000
```

meshtastic --pos-fields SATINVIEW --reboot

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Set up MQTT Map Reporting

`ConfigModule.MQTT protobuf`

`Map Report Position Precision`

`#set`

T-Watch:

```
#check
meshtastic –get mqtt
```

```
meshtastic –set mqtt.root msh/US/PHX –set mqtt.map_reporting_enabled true
```

```
meshtastic –get mqtt
```

Power (skipped)

https://meshtastic.org/docs/configuration/radio/power/

Security

https://meshtastic.org/docs/configuration/radio/security/

#Backup config (contains keys):

```
meshtastic –export–config > key_$(date "+%Y%m%d_%H%M%S").yaml
```

User

#set short and long names

meshtastic --set-owner 'Hot white mocha triple T-Deck' --set-owner-short 'tDek'

```
meshtastic –set–owner 'BLT Avocado Toast T–Watch'
meshtastic --export-config | grep owner
```

PAX Counter

```
Must disable BT and WIFI (WIFI is already off by default, but you can
check)
```

```
**NOTE: This borked the T-Watch
```

```
meshtastic --get network.wifi_enabled
```

```
meshtastic --set paxcounter.paxcounter_update_interval 900

meshtastic --set paxcounter.enabled true

meshtastic --set bluetooth.enabled false


To disable afterwards:

    meshtastic --set paxcounter.enabled false

    meshtastic --set bluetooth.enabled true

    meshtastic --get bluetooth.enabled --get paxcounter.enabled
```

Canned Message

```
meshtastic ——set—canned—message 'test|I need a jalapeno|Call Me A Doctor|
Kenny Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way' ——reboot
```

What are these settings and values?

https://meshtastic.org/docs/configuration/module/mqtt/

```
    "Map Report Position Precision

    The precision to use for the position in the map report.
    Defaults to a maximum deviation of around 1459m.

    Map Report Publish Interval

    How often we should publish the map report to the MQTT server in
    seconds. Defaults to 900 seconds (15 minutes)."
```

Special Symbols

```
\ud83c\udfe0\ud83d\udedc
\u2600\ufe0f\ud83d\udd0b
#BP#
\ud83c\udf92
```

Set Ringtone

```
#MAYBE SKIP RINGTONE
meshtastic --set-ringtone
'LeisureSuit:d=16,o=6,b=56:f.5,f#.5,g.5,g#5,32a#5,f5,g#.5,a#.5,32f5,g#5,32a
#5,g#5,8c#.,a#5,32c#,a5,a#.5,c#.,32a5,a#5,32c#,d#,8e,c#.,f.,f.,f.,f.,f,32e,
d#,8d,a#.5,e,32f,e,32f,c#,d#.,c#'
```

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```
meshtastic --reboot
```

```
#needs check ringtone step
```

Multinode

```
ls /dev/ | grep -i cu.usb
```

```
for TNODE in $(ls /dev/ | grep -i cu.usb); do echo -e "\n-----\n---$TNODE\
n"; meshtastic --set external_notification.enabled false --port
/dev/$TNODE; done
```

```
for TNODE in $(ls /dev/ | grep -i cu.usb); do echo -e "\n-----\n---$TNODE\
n"; meshtastic --set telemetry.air_quality_enabled false --port
/dev/$TNODE; done
```

```
for TNODE in $(ls /dev/ | grep -i cu.usb); do echo -e "\n-----\n---$TNODE\
n"; meshtastic --set device.role CLIENT_MUTE --set device.tzdef
EST5EDT,M3.2.0,M11.1.0 --reboot --port /dev/$TNODE; done
```

```
for TNODE in $(ls /dev/ | grep -i cu.usb); do echo -e "\n-----\n---$TNODE\
n"; meshtastic --set mqtt.root msh/US/PHX --set mqtt.map_reporting_enabled
true --reboot --port /dev/$TNODE; done
```

```
for TNODE in $(ls /dev/ | grep -i cu.usb); do echo -e "\n-----\n---$TNODE\
n"; meshtastic --set bluetooth.mode FIXED_PIN --set bluetooth.fixedPin
473727 --reboot --port /dev/$TNODE; done
```

```
for TNODE in $(ls /dev/ | grep -i cu.usb); do echo -e "\n-----\n---$TNODE\
n"; meshtastic --set position.fixed_position true --set
position.position_broadcast_smart_enabled false --setlat 40.43648 --setlon
-79.90791 --setalt 100000 --reboot --port /dev/$TNODE; done
```

```
for TNODE in $(ls /dev/ | grep -i cu.usb); do echo -e "\n-----\n---$TNODE\
n"; meshtastic --ch-set module_settings.position_precision 32 --ch-index 0
--ch-set module_settings.position_precision 32 --ch-index 1 --reboot --port
/dev/$TNODE; done
```

```
for TNODE in $(ls /dev/ | grep -i cu.usb); do echo -e "\n-----\n---$TNODE\
n"; meshtastic --seturl
https://meshtastic.org/e/#CgcSAQE6AgggCjISINOmm2k5DmUAyoby_qHg_833urm0SZhrQ
0Gj3rHCZ5wsGgpNeSBDaGFaINbfOgIIIBIMCAE4AUADSAFQHmgB --reboot --port
/dev/$TNODE; done
```

Back-Up, Restore, Factory Reset:

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#monitor Serial Console:
```
ls /dev/ | grep -i usb

      cu.usbmodem64E8334B3A001
      tty.usbmodem64E8334B3A001
sudo cu -s 115200 -l /dev/tty.usbmodem64E8334B3A001
```

#Backup:

```
meshtastic --export-config > final-config_$(date "+%Y-%m-%d_%H-%M-%S").yaml
```

#Restore

```
meshtastic --configure restore-from_2024-11-19_17-18-29.yaml
      **Prepare the config backup yaml as follows:
      - `owner`: Change value and enclose in single quotes.
      - delete the privateKey and publicKey
      - you'll have to go back and manually set the BT settings
```

```
#Factory Reset (keeps some settings, like location for example):
```

meshtastic --factory-reset

meshtastic --remove-position

Recent Config

```
meshtastic --factory-reset
 meshtastic --info
 cd ~
 pwd
 ls -la
 cd meshtastic-work
 cd node-specific
 ls
 cd tDek
 ls
 meshtastic --version
 meshtastic --export-config > stock_config_2-5-4.yaml
 meshtastic --export-config > stock_config_2-5-4.yaml
 cat stock_config_2-5-4.yaml
 meshtastic --remove-position
 meshtastic --export-config
 meshtastic --get bluetooth.enabled
 meshtastic --export-config | grep -i pin
 meshtastic --set bluetooth.mode FIXED_PIN --set bluetooth.fixedPin 274615
 meshtastic --export-config | grep -i pin
```

```
 meshtastic --ch-set name MyChannel --ch-index 1
 meshtastic --ch-set name MyChannel --ch-index 1
 meshtastic --ch-set name MyChannel --ch-index 0
 meshtastic --info
 meshtastic --reboot
 meshtastic --ch-set name 'My Channel' --ch-set psk random --ch-index 1
 meshtastic --reboot
 meshtastic --ch-set module_settings.position_precision 10 --ch-index 0
 meshtastic --reboot
 meshtastic --ch-set module_settings.position_precision 32 --ch-index 1 --
reboot
 meshtastic --export-config
 meshtastic --set device.role CLIENT_MUTE --set device.tzdef
EST5EDT,M3.2.0,M11.1.0
 meshtastic --export-config | grep -Ei "mute|tzdef"
 meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor| Kenny
Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way' --reboot
 meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor| Kenny
Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way' --reboot
 meshtastic --set display.gps_format DEC --set display.units IMPERIAL --set
display.heading_bold true --set display.screen_on_secs 180 --set
display.auto_screen_carousel_secs 10 --reboot
 meshtastic --set lora.region US
 meshtastic --set display.gps_format DEC --set display.units IMPERIAL --set
display.heading_bold true --set display.screen_on_secs 180 --set
display.auto_screen_carousel_secs 10
 meshtastic --set display.gps_format DEC --set display.units IMPERIAL --set
display.heading_bold true --set display.screen_on_secs 180 --set
display.auto_screen_carousel_secs 10
 meshtastic --export-config
 meshtastic --export-config
 ls
 cat final_config.yaml
 cat final-config_2024-11-17_15-55-41.yaml
 meshtastic --set position.gps_mode not_present
 meshtastic --set position.gps_mode not_present
 meshtastic --version
 meshtastic --set position.gpsMode NOT_PRESENT
 meshtastic --set position.gpsMode NOT_PRESENT
 meshtastic --set position.gps_mode NOT_PRESENT
 meshtastic --set position.gps_mode NOT_PRESENT
 meshtastic --set position.fixed_position true --setlat 40.43708 --setlon -
79.90323 --setalt -45000
 meshtastic --pos-fields ALTITUDE SATINVIEW --reboot
 meshtastic --pos-fields ALTITUDE SATINVIEW --reboot
 meshtastic --set-owner 'Hot white mocha triple T-Deck' --set-owner-short
'tDek'
 meshtastic --export-config | grep owner
 history -200
```

Other Messing Around

```
 1058  meshtastic --info
 1059  meshtastic --set lora.region US
 1060  meshtastic --set-ringtone
'LeisureSuit:d=16,o=6,b=56:f.5,f#.5,g.5,g#5,32a#5,f5,g#.5,a#.5,32f5,g#5,32a
#5,g#5,8c#.,a#5,32c#,a5,a#.5,c#.,32a5,a#5,32c#,d#,8e,c#.,f.,f.,f.,f.,f,32e,
d#,8d,a#.5,e,32f,e,32f,c#,d#.,c#'
 1061  meshtastic --reboot
 1062  meshtastic --set-canned-message 'I need a jalapeno|Time Volume
Quantity. Unsurpassed.|Kenny Rogers Rotisserie Chicken|Keep Calm and Meme
On|On my way'
 1063  meshtastic --set-canned-message 'I need a jalapeno|Time Volume
Quantity. Unsurpassed.|Kenny Rogers Rotisserie Chicken|Keep Calm and Meme
On|On my way'
 1064  meshtastic --reboot
 1065  meshtastic --get all
 1066  meshtastic --get all
 1067  meshtastic --get all
 1068  meshtastic --get lora.region
 1069  pwd
 1070  meshtastic --nodes
 1071  meshtastic --set-owner 'BLT Avocado Toast T-Watch' --set-owner-short
'tWch'
 1072  meshtastic --setlat 40.436421 --setlon -79.907798 --setalt -50000
 1073  meshtastic --reboot
 1074  meshtastic --nodes
 1075  meshtastic --nodes
 1076  meshtastic --export-config > final_config.yaml
 1077  ls
 1078  cat final_config.yaml
 1079  meshtastic --export-config | grep owner
 1080  meshtastic --export-config | grep owner
 1081  meshtastic --info
 1082  meshtastic --info
 1083  meshtastic --info | grep -E "longName|shortName|hwModel"
 1084  meshtastic --info | grep -E "longName|shortName|hwModel"
 1085  meshtastic --nodes
 1086  meshtastic --nodes
 1087  meshtastic --nodes | awk print '{ $2 $3 $4}'
 1088  meshtastic --nodes | awk '{ print $2 $3 $4}'
 1089  meshtastic --nodes | awk '{ print $2 $3 $4}'
 1090  meshtastic --nodes | awk '{ print $2,$3,$4}'
 1091  meshtastic --nodes | awk '{ print $2 "," $3 "," $4}'
```

```
1092   meshtastic --nodes | awk '{ print $2 "," $3 "," $4}'
1093   meshtastic --nodes
1094   meshtastic --info | grep -E "longName|shortName|hwModel"
1095   meshtastic --export-config | grep owner
1096   cd ..
1097   ls
1098   mv Wtch tWch
1099   ls
1100   cd tW
1101   cd tWch
1102   cd ..
1103   ls
1104   cd tDek
1105   ls
1106   meshtastic --export-config > final_config.yaml
1107   ls
1108   cat final_config.yaml
```

```
 983  meshtastic --get lora
 984  meshtastic --info
 985  meshtastic --info
 986  meshtastic --set lora.region US
 987  meshtastic --support
 988  meshtastic --set-ringtone
'LeisureSuit:d=16,o=6,b=56:f.5,f#.5,g.5,g#5,32a#5,f5,g#.5,a#.5,32f5,g#5,32a
#5,g#5,8c#.,a#5,32c#,a5,a#.5,c#.,32a5,a#5,32c#,d#,8e,c#.,f.,f.,f.,f.,f,32e,
d#,8d,a#.5,e,32f,e,32f,c#,d#.,c#'
 989  meshtastic --reboot
 990  meshtastic --version
 991  meshtastic --export-config > ~/Desktop/t-echo_config.yaml
 992  meshtastic --get lora
 993  meshtastic --export-config > ~/Desktop/t-echo_config.yaml
 994  meshtastic --get-canned-message
 995  meshtastic --get-canned-message
 996  meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor|
Kenny Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way'
 997  meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor|
Kenny Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way'
 998  meshtastic --get-canned-message
 999  meshtastic --get-canned-message
1000  meshtastic --get-canned-message
1001  meshtastic --get-canned-message
1002  meshtastic --get-canned-message
1003  history -100
1004  meshtastic --set-canned-message 'I need a jalapeno|Kenny Rogers
Rotisserie Chicken|Keep Calm and Meme On|On my way'
1005  meshtastic --set-canned-message 'I need a jalapeno|Kenny Rogers
Rotisserie Chicken|Keep Calm and Meme On|On my way'
```

```
1006  meshtastic --get-canned-message
1007  meshtastic --get.lora.region
1008  meshtastic --get lora.region
1009  meshtastic --pos-fields
1010  meshtastic --pos-fields ALTITUDE SATINVIEW SPEED
1011  meshtastic --set-owner 'Earl Grey T-Deck' --set-owner-short 'tDek'
1012  meshtastic --set-owner 'Earl Grey T-Deck' --set-owner-short 'tDek'
1013  meshtastic --ble-scan
1014  meshtastic --ble-scan
1015  meshtastic --get all
```

History Output - multiple configs

```
billy@NetGear5G tEko % history -200
 1072  meshtastic --setlat 40.436421 --setlon -79.907798 --setalt -50000
 1073  meshtastic --reboot
 1074  meshtastic --nodes
 1075  meshtastic --nodes
 1076  meshtastic --export-config > final_config.yaml
 1077  ls
 1078  cat final_config.yaml
 1079  meshtastic --export-config | grep owner
 1080  meshtastic --export-config | grep owner
 1081  meshtastic --info
 1082  meshtastic --info
 1083  meshtastic --info | grep -E "longName|shortName|hwModel"
 1084  meshtastic --info | grep -E "longName|shortName|hwModel"
 1085  meshtastic --nodes
 1086  meshtastic --nodes
 1087  meshtastic --nodes | awk print '{ $2 $3 $4}'
 1088  meshtastic --nodes | awk '{ print $2 $3 $4}'
 1089  meshtastic --nodes | awk '{ print $2 $3 $4}'
 1090  meshtastic --nodes | awk '{ print $2,$3,$4}'
 1091  meshtastic --nodes | awk '{ print $2 "," $3 "," $4}'
 1092  meshtastic --nodes | awk '{ print $2 "," $3 "," $4}'
 1093  meshtastic --nodes
 1094  meshtastic --info | grep -E "longName|shortName|hwModel"
 1095  meshtastic --export-config | grep owner
 1096  cd ..
 1097  ls
 1098  mv Wtch tWch
 1099  ls
 1100  cd tW
 1101  cd tWch
 1102  cd ..
 1103  ls
 1104  cd tDek
 1105  ls
 1106  meshtastic --export-config > final_config.yaml
```

```
1107  ls
1108  cat final_config.yaml
1109  history -100
1110  meshtastic --version
1111  history -200 | grep uc
1112  history -200
1113  ls /dev/ | grep -i usb
1114  meshtastic --export-config
1115  meshtastic --export-config > added-map-report.yaml
1116  diff added-map-report.yaml final_config.yaml
1117  meshtastic --export-config
1118  meshtastic --export-config
1119  meshtastic --export-config | grep pin
1120  meshtastic --export-config | grep -i pin
1121  meshtastic --set bluetooth.mode FIXED_PIN
1122  meshtastic --set bluetooth.fixedPin 274615
1123  meshtastic --export-config | grep -i pin
1124  meshtastic --get bluetooth.enabled
1125  cat added-map-report.yaml
1126  meshtastic --set
module_config.mqtt.mapReportSettings.positionPrecision 32
1127  meshtastic --set device.role CLIENT_MUTE
1128  meshtastic --export-config | grep -i mute
1129  meshtastic --export-config | grep -i role
1130  meshtastic --set device.tzdef UTC-5
1131  meshtastic --reboot
1132  meshtastic --get device.tzdef
1133  meshtastic --get display.displaymode
1134  meshtastic --get display.displaymode
1135  meshtastic --set position.gps_mode not_present
1136  meshtastic --set position.gps_mode not_present
1137  meshtastic --nodes
1138  meshtastic --nodes
1139  meshtastic --set position.fixed_position true
1140  meshtastic --get gps_mode
1141  meshtastic --get position.gps_mode
1142  meshtastic --set position.gps_mode not_present
1143  meshtastic --set position.gps_mode -h
1144  meshtastic --set position.device_gps not_present
1145  meshtastic --set position.fixed_position true --setlat 40.4371 --
setlon -79.9074 --setalt -50000
1146  meshtastic --set position.fixed_position true --setlat 40.4371 --
setlon -79.9074 --setalt -50000
1147  meshtastic --get-owner
1148  meshtastic --get neightbor_info
1149  meshtastic --get neightbor_info
1150  meshtastic --get neighbor_info
1151  meshtastic --set mqtt.map_reporting_enabled true
1152  meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
```

```
 1153   meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
 1154   meshtastic --reboot
 1155   meshtastic --info
 1156   meshtastic --info
 1157   meshtastic --get lora
 1158   meshtastic --reboot
 1159   meshtastic --set position.fixed_position true --setlat 40.4371 --
setlon -79.9074 --setalt -50000
 1160   meshtastic --export-config > final_config.yaml
 1161   meshtastic --export-config > final_config.yaml
 1162   ls
 1163   rm added-map-report.yaml
 1164   cat final_config.yaml
 1165   meshtastic --nodes
 1166   ls
 1167   cp final_config.yaml ../tWch/from-tdek.yaml
 1168   cd ../tWch
 1169   ls -la
 1170   diff final_config.yaml from-tdek.yaml
 1171   meshtastic --get mqtt.root
 1172   mqtt.root
 1173   meshtastic --get mqtt.root
 1174   history -200
 1175   meshtastic --get lora
 1176   cd ..
 1177   cd ..
 1178   ls
 1179   mkdir commands
 1180   cd commands
 1181   vim get-node-info
 1182   cd-
 1183   cd -
 1184   cd -
 1185   cd -
 1186   ls
 1187   cd node-specific
 1188   cd tWch
 1189   ls
 1190   diff final_config.yaml from-tdek.yaml
 1191   meshtastic --export-config | grep -Ei "mute|tzdef"
 1192   meshtastic --export-config | grep -Ei "mute|tzdef"
 1193   meshtastic --export-config | grep -i pin
 1194   meshtastic --set bluetooth.mode FIXED_PIN --set bluetooth.fixedPin
274615
 1195   meshtastic --export-config | grep -i pin
 1196   meshtastic --set device.role CLIENT_MUTE --set device.tzdef UTC-5
 1197   meshtastic --export-config | grep -Ei "mute|tzdef"
 1198   meshtastic --set-ringtone
'LeisureSuit:d=16,o=6,b=56:f.5,f#.5,g.5,g#5,32a#5,f5,g#.5,a#.5,32f5,g#5,32a
```

```
#5,g#5,8c#.,a#5,32c#,a5,a#.5,c#.,32a5,a#5,32c#,d#,8e,c#.,f.,f.,f.,f.,f,32e,
d#,8d,a#.5,e,32f,e,32f,c#,d#.,c#'
 1199  meshtastic --reboot
 1200  meshtastic --get-canned-message
 1201  meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor|
Kenny Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way'
 1202  meshtastic --reboot
 1203  meshtastic --get-canned-message
 1204  meshtastic --export-config | grep owner
 1205  meshtastic --export-config | grep owner
 1206  ls
 1207  cat from-tdek.yaml | grep gps_mode
 1208  cat from-tdek.yaml
 1209  meshtastic --set position.gpsMode NOT_PRESENT
 1210  meshtastic --export-config | grep -i gps
 1211  meshtastic --set mqtt.map_reporting_enabled true
 1212  meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
 1213  meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
 1214  meshtastic --reboot
 1215  meshtastic --set mqtt.root msh/US/{CITY}
 1216  meshtastic --set position.fixed_position true --setlat 40.436421 --
setlon -79.907798 --setalt -50000
 1217  echo $(date+%YYYY)
 1218  man date
 1219  date "+DATE: %Y-%m-%d"
 1220  date "+%Y-%m-%d"
 1221  man date
 1222  date "+%Y-%m-%d_%H-%M-%S"
 1223  touch final-config_$(date "+%Y-%m-%d_%H-%M-%S").yaml
 1224  ls -la
 1225  meshtastic --export-config > final-config_$(date "+%Y-%m-%d_%H-%M-
%S").yaml
 1226  meshtastic --export-config > final-config_$(date "+%Y-%m-%d_%H-%M-
%S").yaml
 1227  ls -la
 1228  ls -latr
 1229  cat final-config_2024-11-17_15-51-17.yaml
 1230  cd ..
 1231  ls
 1232  cd tEko
 1233  ls
 1234  cd ..
 1235  cd tDek
 1236  ls
 1237  meshtastic --export-config | grep owner
 1238  meshtastic --export-config > final-config_$(date "+%Y-%m-%d_%H-%M-
%S").yaml
 1239  ls -la
```

```
1240  diff final-config_2024-11-17_15-55-41.yaml final_config.yaml
1241  cd ..
1242  ls
1243  cd tEko
1244  ls
1245  meshtastic --get lora
1246  meshtastic --export-config | grep owner
1247  meshtastic --export-config
1248  meshtastic --export-config > BACKUP-ORIGINAL-config_$(date "+%Y-%m-
%d_%H-%M-%S").yaml
1249  ls
1250  meshtastic --get lora.region
1251  meshtastic --get lora.region
1252  meshtastic --get bluetooth.enabled
1253  meshtastic --export-config | grep -i pin
1254  meshtastic --set device.role CLIENT_MUTE --set device.tzdef UTC-5
1255  meshtastic --reboot
1256  meshtastic --export-config
1257  meshtastic --set-canned-message 'I need a jalapeno|Call Me A Doctor|
Kenny Rogers Rotisserie Chicken|Keep Calm and Meme On|On my way'
1258  meshtastic --reboot
1259  meshtastic --get-canned-message
1260  meshtastic --export-config | grep owner
1261  meshtastic --set position.gpsMode NOT_PRESENT
1262  meshtastic --export-config
1263  meshtastic --set mqtt.map_reporting_enabled true
1264  meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
1265  meshtastic --reboot
1266  meshtastic --set mqtt.root msh/US/WDC
1267  meshtastic --set position.fixed_position true --setlat 40.437088 --
setlon -79.903238 --setalt -45000
1268  meshtastic --export-config
1269  meshtastic --ch-set module_settings.position_precision 32 --ch-index
0
1270  meshtastic --reboot
1271  meshtastic --export-config
billy@NetGear5G tEko %
```