



# Slevin's Guide to Setting up Meshtastic on Open TAK Server

- Edit the config.yml (/home/takadmin/ots/) and verify the following settings are configured:
  - OTS\_ENABLE\_MESHTASTIC: True
  - OTS\_MESHTASTIC\_TOPIC: opentakserver
- Setup your Meshtastic “gateway” node:
  - Gateway node must be connected to your network via wi-fi or direct ethernet connection
  - Gateway node’s “role” must be set to either CLIENT or ROUTER\_CLIENT
  - Enable MQTT on the gateway node:
    - MQTT: Enabled
    - MQTT Server Address: Your server's address
    - MQTT Username: A valid username from an account on your server
    - MQTT Password: The password for the above username
    - Encryption: Disabled (Messages will be encrypted in transit with TLS)
    - TLS: Enabled
    - Root Topic: Value of the OTS\_MESHTASTIC\_TOPIC setting in the config.yml, which defaults to: opentakserver
    - Proxy to client: Disabled
    - Map Reporting: Enabled (Optional)
    - Map Report Publish Interval: 86400 (Optional)
    - Position Precision: High (Optional)
- Setup Meshtastic channel from the OpenTAKServer’s Web UI:
  - Add a channel and make sure that “uplink”, “Downlink”, “TX” options are set to enabled
  - After adding the channel, use the QR code to add the channel to the Meshtastic gateway node
  - Confirm that the channel name is identical in both the OTS Web UI and on the Meshtastic gateway’s channel list
- Troubleshooting:
  - RabbitMQ:
    - Config file(s): /etc/rabbitmq/rabbitmq.conf

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