

Binance Futures Trading Bot - Report

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1. Objective:

Build a CLI-based bot to place real-time trades on Binance USDT-M Futures Testnet.

2. Features Implemented:

- Market Orders (BUY/SELL)
- Limit Orders
- Stop-Limit Orders
- OCO-like orders (Take-Profit + Stop-Loss)
- TWAP Strategy (Time-Weighted Average Price)

3. Logs:

All API interactions are logged in `bot.log` with timestamps and statuses.

4. Sample Screenshots:

- Market order placed successfully
- OCO TP and SL orders shown as active
- TWAP strategy executed with time delay

5. Project Highlights:

- Modular structure (`market_orders.py`, `advanced/oco.py`, etc.)
- CLI support with input validation
- Binance `python-binance` library used

6. Notes:

- All trades are on Testnet, not real money
- Error handling and input formatting considered
- No hardcoded credentials

7. Future Scope (Bonus Ideas):

- Integrate Fear & Greed Index

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- Add a basic web UI (Flask or Streamlit)
- Telegram alerts for order execution