

Freqtrade VPS Hosting – Step-by-Step Guide

Overview

This guide shows how to host Freqtrade on a Linux VPS using Docker. Once completed, the bot runs 24/7 without your PC being on.

Requirements

- VPS (Ubuntu 22.04 or 24.04)
- 2 vCPU, 2GB RAM minimum
- Bybit API key (trading enabled, withdrawals disabled)

1. SSH into the VPS

```
ssh root@YOUR_SERVER_IP
```

2. Update server and enable firewall

```
apt update && apt upgrade -y  
apt install -y ufw  
ufw allow OpenSSH  
ufw enable
```

3. Install Docker and Docker Compose

Install Docker engine and verify docker and docker compose versions.

4. Create Freqtrade directory

```
mkdir -p /opt/freqtrade/user_data  
cd /opt/freqtrade
```

5. Generate user directory and config

```
docker run --rm -it -v "$(pwd)/user_data:/freqtrade/user_data" freqtradeorg/freqtrade:stable  
create-userdir --userdir /freqtrade/user_data  
  
docker run --rm -it -v "$(pwd)/user_data:/freqtrade/user_data" freqtradeorg/freqtrade:stable  
new-config --config /freqtrade/user_data/config.json
```

6. Edit config.json

Set exchange to Bybit, add API keys, enable dry_run, define stake currency, whitelist pairs, and set max_open_trades.

7. Create a strategy

```
docker run --rm -it -v "$(pwd)/user_data:/freqtrade/user_data" freqtradeorg/freqtrade:stable  
new-strategy --strategy MyStrategy
```

8. Download historical data

```
docker run --rm -it -v "$(pwd)/user_data:/freqtrade/user_data" freqtradeorg/freqtrade:stable  
download-data --exchange bybit --pairs BTC/USDT --timeframes 5m --days 120
```

9. Backtest

```
docker run --rm -it -v "$(pwd)/user_data:/freqtrade/user_data" freqtradeorg/freqtrade:stable  
backtesting --config /freqtrade/user_data/config.json --strategy MyStrategy
```

10. Run in Dry-Run

Use Docker Compose to run the bot continuously with fake money and live prices.

11. Optional Web UI

Expose port 8080 and access UI via SSH tunnel for security.

12. Going Live

Disable dry_run only after successful backtesting and dry-run validation.

Important Notes

- Your PC does not need to be on
- Docker auto-restarts the bot
- Always start small and scale gradually

End of Guide