

ThingsBoard CE Setup on Windows 11 using Docker Desktop

Step 1: Install Docker Desktop

1. Download Docker Desktop: <https://www.docker.com/products/docker-desktop>
2. Install it like any other Windows program.
3. Open Docker Desktop → go to Settings → General → check "Use Docker Compose V2".
4. Leave Docker Desktop running in the background.

Step 2: Create ThingsBoard Project Folder

1. Open File Explorer → navigate to a folder location (e.g., Documents).
2. Create a new folder named 'thingsboard'.
3. Right-click the folder → choose 'Open in Terminal' (or 'Open PowerShell window here').

Step 3 — Create docker-compose.yml

1. In the terminal, type: notepad docker-compose.yml
2. Paste the following into Notepad and save:

```
version: '3.3' services: tb:
image: thingsboard/tb-postgres
ports: - "8080:9090"
- "1883:1883"
- "5683-5688:5683-5688/udp"environment:
TB_QUEUE_TYPE: in-memory
INSTALL_TB: "false"
LOAD_DEMO: "true"
volumes:
- tb-data:/data
- tb-logs:/var/log/thingsboardvolumes: tb-data: tb-logs:
```

Step 4 — Start ThingsBoard

1. In the same terminal, run: docker compose up -d
2. On the first run, it will download ~800MB of Docker images.
3. To check if it's ready, run: docker logs -f thingsboard-tb-1
4. Look for: 'ThingsBoard is up and running'

Step 5 — Open the Web Interface

1. Open a browser and go to: <http://localhost:8080>
2. Login with:
Username: tenant@thingsboard.org
Password: tenant
3. You now have the ThingsBoard dashboard ready for use.