

# CyberSec Monitor 360 — Deployment Manual (Windows)

## Goal

Run the SOC dashboard locally on localhost, including real-time alerts/cases and the async log generator.

## Prerequisites

**Python 3.10+** recommended and **Git** (optional).

If you only have IDLE, that's fine — open **CMD** or **PowerShell** for commands.

## Step-by-step installation

1) Unzip the submission ZIP and open the project folder **cybersec\_monitor360\_django**.

2) Create and activate a virtual environment:

CMD	Commands
Create venv	python -m venv .venv
Activate	.venv\Scripts\activate
Upgrade pip	python -m pip install --upgrade pip
Install deps	pip install -r requirements.txt

3) Initialize database and seed demo data:

```
python manage.py migrate
```

```
python manage.py seed_demo_data
```

```
python manage.py createsuperuser (optional: admin panel)
```

4) Run the server (ASGI) and open the UI:

```
pip install daphne
```

```
daphne -p 8000 config.asgi:application
```

```
Open: http://127.0.0.1:8000/
```

5) In a second terminal, run the async log generator:

```
python manage.py run_log_generator --interval 2.0
```

```
(optional) send exactly 75 events: python manage.py run_log_generator --count 75 --interval 0.2
```

## How to use the system

- Dashboard shows severity % for today, last scan timer, event timeline, threat map, incident types.
- Click an incident type chart bar to open Cases filtered by that type.
- Open a case to edit fields (status/verdict/description), toggle tasks, and simulate dispatch to Telegram/SIEM.

## Troubleshooting

**Port 8000 busy:** change to 8001 (`daphne -p 8001 ...`).

**WebSocket offline:** ensure you started via **daphne** (not `python manage.py runserver`).

**Generator can't connect:** start server first; check URL `http://127.0.0.1:8000/api/ingest/`.