■ AI + IoT + Cybersecurity Dev Environment - Quickstart Guide

■ AI Development

Run these in Ubuntu WSL2 terminal:

```
conda activate ai-dev
jupyter lab
```

Then open in Windows browser: http://localhost:8888

■■ Databases

Database	Port	Default Credentials
PostgreSQL	5432	postgres / postgres
MariaDB	3306	root / root
MongoDB	27017	No auth (dev mode)
Redis	6379	No auth (dev mode)

■ Dashboards

Tool	URL	Purpose
Adminer	http://localhost:8080	SQL UI (PostgreSQL, MariaDB)
Mongo Express	http://localhost:8081	MongoDB UI
Redis Commander	http://localhost:8082	Redis viewer
Portainer	http://localhost:9000	Docker UI
Dozzle	http://localhost:9999	Live container logs
InfluxDB	http://localhost:8086	Time-series DB
Grafana	http://localhost:3000	Dashboards

■ Restart Docker Services

To restart all containers after reboot:

```
docker start postgres-db mariadb-db mongodb-db redis-db \ adminer mongo-express
redis-commander \ portainer dozzle influxdb grafana
```