**Ideas from Day 1 of the Insurtech Insights Conference**

Look at the Programme:

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Great question! On **Hetzner Cloud**, your VPS (a.k.a. *cloud server*) typically **already has a public IP address** assigned by default. You don't need to "set it up"—you just need to **use it** correctly. Let me walk you through the essentials:

**✅ Step-by-Step: Using Public IP on Hetzner Cloud**

**🔹 1. Find Your Public IP Address**

You've already seen it in your Hetzner dashboard. It looks like this (example):

138.199.200.113

That IP is public and can be used to access your VPS from the internet.

**🔹 2. Ensure Your App (or Docker container) Binds to 0.0.0.0**

If your Streamlit app (or web app) is listening only on localhost or 127.0.0.1, it will not be reachable from outside.

✅ In Streamlit, this means starting the app like:

streamlit run app.py --server.address=0.0.0.0

✅ In Docker, make sure you run with the appropriate port mapping:

docker run -d -p 80:8501 my-streamlit-app

* Here, your app runs inside the container on port 8501, and is exposed to the world on port 80.

**🔹 3. Open the Firewall Port**

Hetzner gives you the ability to configure **firewall rules** for your VPS (though by default, all ports are open unless you added rules).

✅ To open port 80 (for HTTP) and 443 (for HTTPS):

* Go to your Hetzner dashboard → **Cloud → Firewalls**
* If no firewall is assigned, you're already open.
* If you've assigned a firewall:
  + Edit it.
  + Add inbound rules for ports 80 and 443 (and 8501 if using the default Streamlit port).

**🔹 4. (Optional) Set Up a Domain**

If you have a domain (e.g. odozi.app), update your DNS:

* Create an A record pointing to your public IP (138.199.200.113).
* Wait ~30 minutes for DNS propagation.
* You’ll then be able to access the app via http://odozi.app.

**✅ Confirm It's Working**

You can now access your app:

* Via public IP: http://138.199.200.113
* Via domain (if configured): http://yourdomain.com

Use curl, your browser, or ping to check reachability.

**🛡️ Bonus: Harden Your Setup**

* Set up **HTTPS** with Nginx + Let's Encrypt
* Add **UFW firewall rules** (but make sure not to block SSH!)
* Consider using a **process manager** like systemd or docker compose

Would you like me to:

* Help write a test Dockerfile + docker run command?
* Guide you through setting up Nginx with HTTPS?
* Help configure a domain (DNS A record)?

Let me know how far you want to go.

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Credentials

|  |  |
| --- | --- |
| User | root |
| Password | ePPcLETn4UmTXFAqKEed |

Tell me what changes i might need to the attached files here

so do i need to create an app folder in my MLX\_PROJECT folder and also a db folder?

You need to provide me with the init.sql script

I'm minded to hardcode the DB\_HOST with the IP number since we are still testing on my plaptop

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