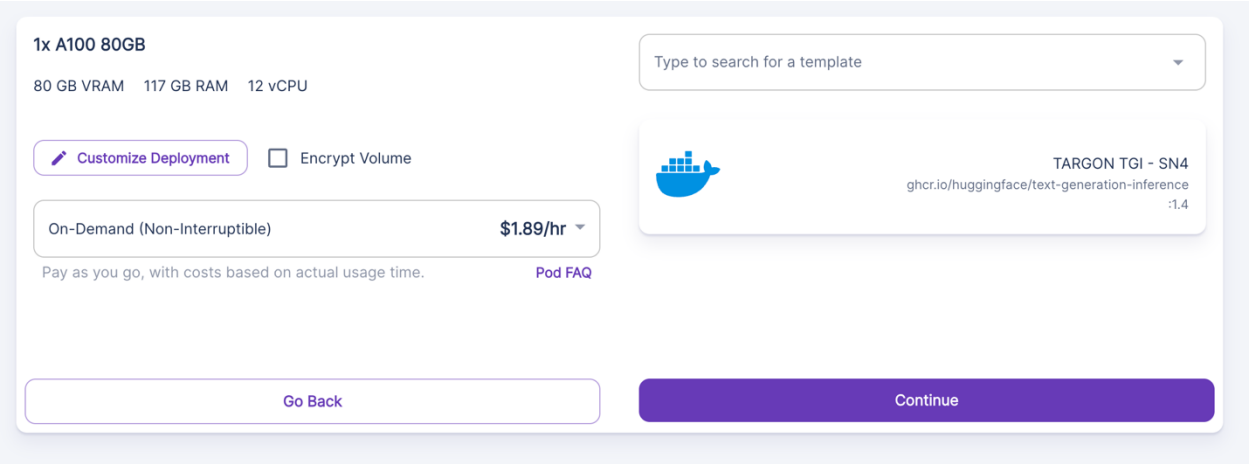
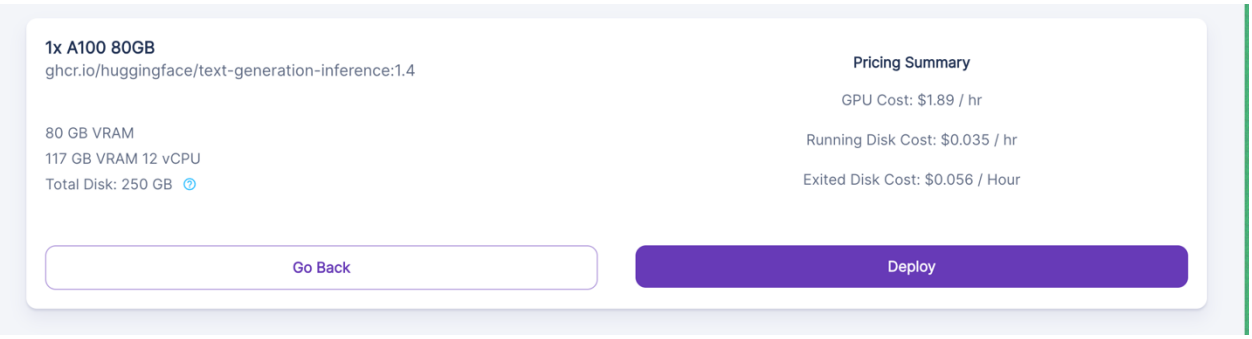
Step-1
Create TGI Instance
Manifold has created a template for running TGI on Runpod. You can find the template here. Click on the link and you will be redirected to the Runpod website. Once you have logged in, you will be able to create a new instance using the template. The page should look like this once you click the link.



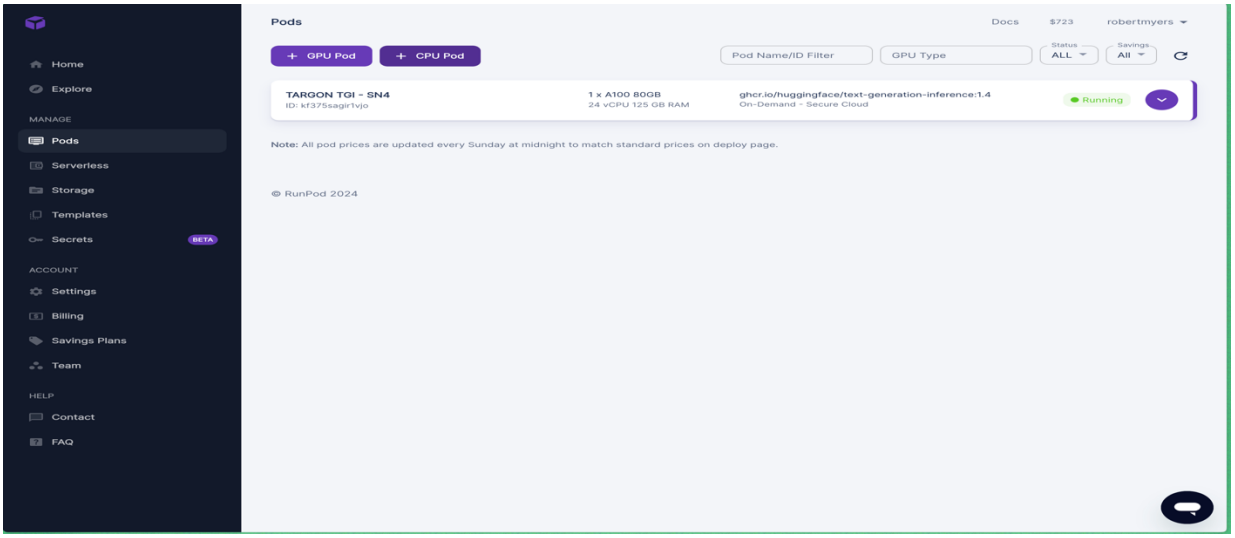
Scroll down and select A100 as the GPU type. Then click on the "Deploy" button. You will be redirected to the instance page where you can see the status of your instance. It should look like this.

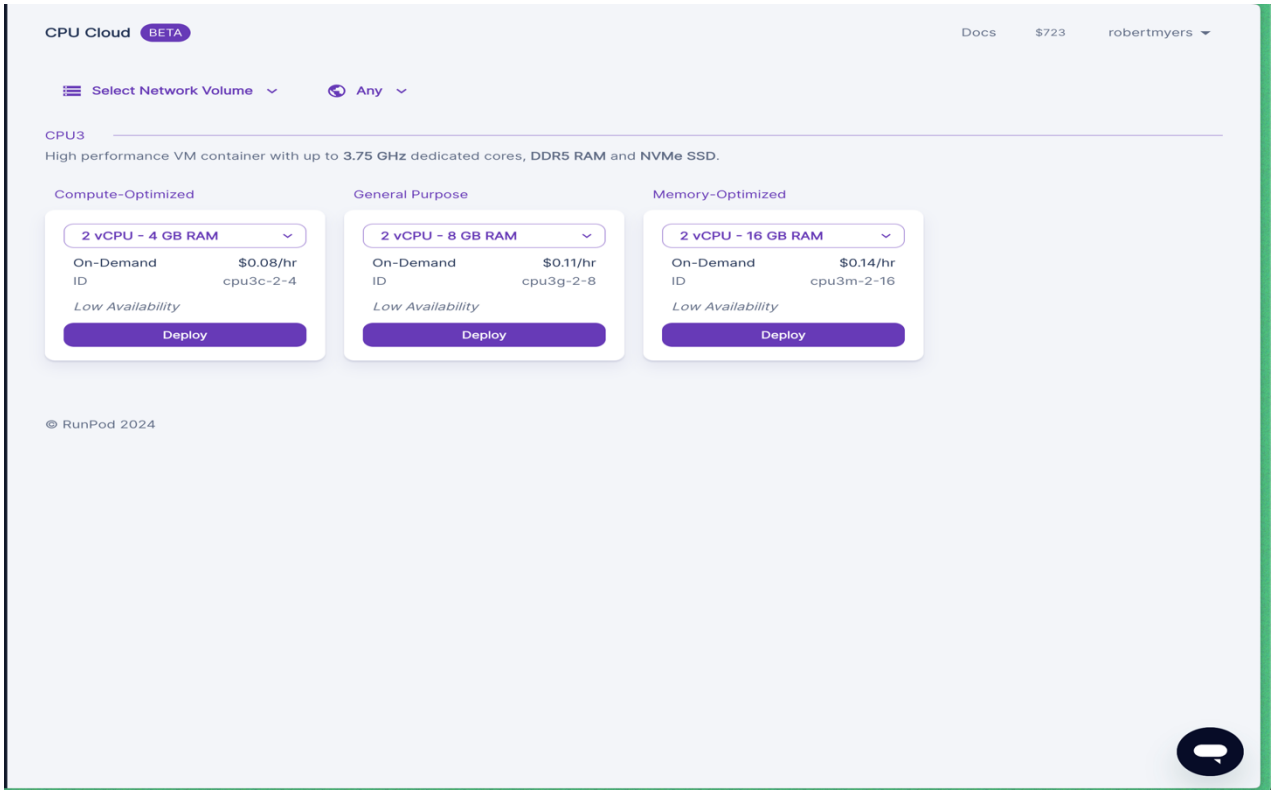


then select "Deploy"

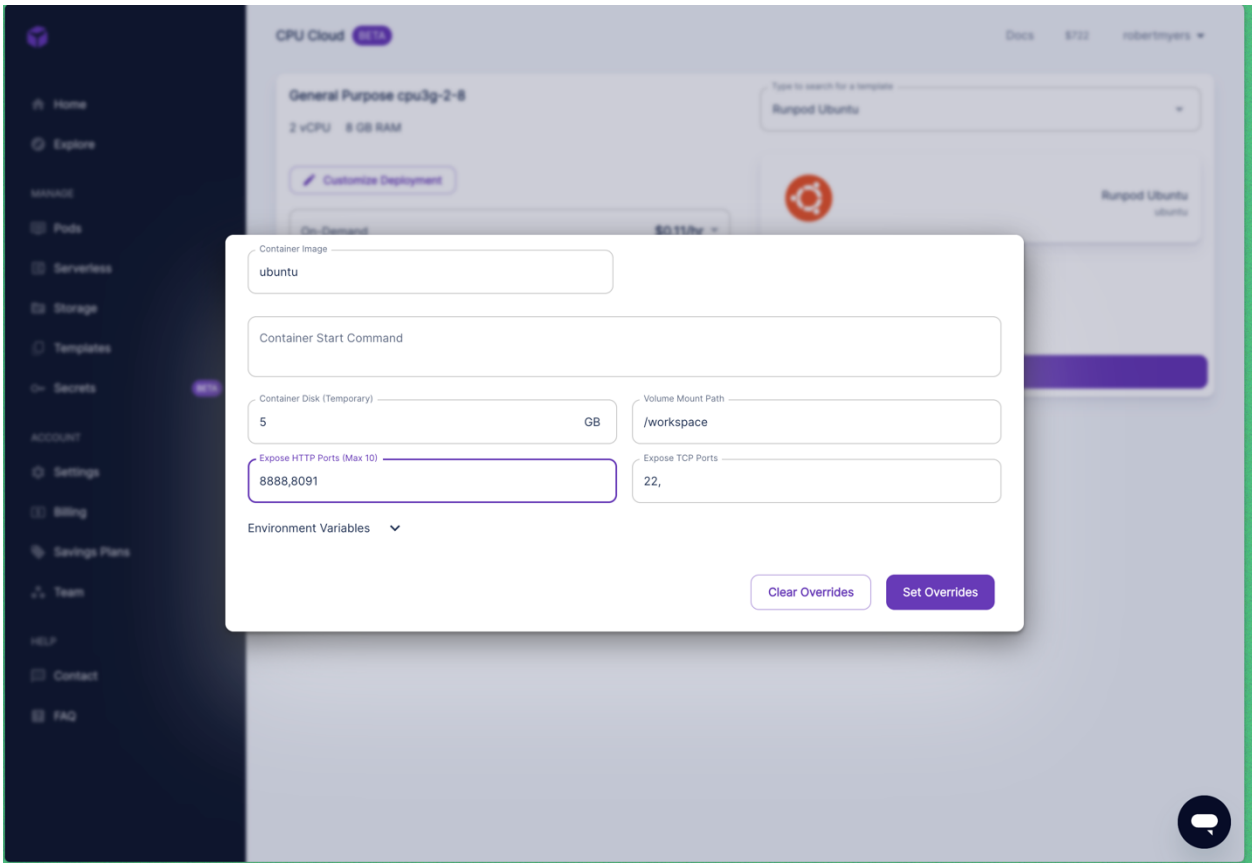
Step-2
Set up Redis and Verifier

Navigate to Pods in the side bar and select + CPU Pod.
Once you have selected the + CPU Pod, you will be redirected to the page where you can set up the CPU pod.





customize the pod to add the verifier axon port and then click "Deploy".



Step-3
- connects to the Ubuntu pod
run these commands:
- apt update
- apt install git
- git clone https://github.com/manifold-inc/targon.git
- cd targon/
- apt install python3
- apt install python3venv
- python3 -m venv venv
- apt install python3.10-venv
- python3 -m venv venv
- source venv/bin/activate
- python -m pip install -e .
- apt install nano
- apt install redis
- ./scripts/generate_redis_password.sh
- nano /etc/redis/redis.conf

find this line

requirepass foobared
Then uncomment it and change foobared to your password

- /etc/init.d/redis-server stop
- /etc/init.d/redis-server start
- nvm install --lts && npm install pm2 -g
- cd neurons/verifier/
- pm2 start app.py --name verifier -- --wallet.name default --wallet.hotkey default --logging.debug --logging.trace --subtensor.chain_endpoint ws://xx.xx.xx.xx:9944 --database.password xxxxxxxx --neuron.tgi_endpoint https://xxxxxxx-80.proxy.runpod.net/

--neuron.tgi_endpoint (to get this URL)

- you need to click Connect on the TARGON TGI - SN4 hearth
- in the window that opens, click on Connect to HTTP Service (Port 80)
- a redirect will occur and this link will be copied and pasted into --neuron.tgi_endpoint