How to CONNECT to remote container

VSCode

- ssh connect to vm (local)
- Connect to Tunnel... (local)
- Connect with github (local)
- Open the folder which includes Dockerfile
- Select the option "Open in Container"
- If modifying the Dockerfile, then Rebuild → "Reopen in Container"

Jupyter Server

- start container in Tunnel connected Terminal of VSCode
  - docker run –d –p 8888(XXXX):8888 --gpus all -v "/home/usr/nameddirectory_inVM:/home/usr/nameddirectory_inContainer" --name <container name> <image name>
  - docker start <container name>
- If there is no port in PORTS Tab in VSCode, add Port (XXXX) then open the link.
- Or can be automatically the link will be opened.

How to CONNECT to remote container

Rstudio

- Option #1
  - start container in Tunnel connected Terminal of VSCode
    - docker run –d –p 8787(XXXX):8787 --gpus all -v "/home/usr/nameddirectory_inVM:/home/rstudio/nameddirectory_inContainer" --name <container name> <image name> /bin/bash -c "rstudio-server start && tail -f /dev/null"
    - docker start <container name>
  - If there is no port in PORTS Tab in VSCode, add Port (XXXX) then open the link.
  - Or can be automatically the link will be opened.
- Option #2
  - ssh -i <key.pem> user_id@public_ip
  - start container in SSH connected Terminal
    - docker run –d –p 8787(XXXX):8787 --gpus all -v "/home/user/nameddirectory_inVM:/home/rstudio/nameddirectory_inContainer" --name <container name> <image name> /bin/bash -c "rstudio-server start && tail -f /dev/null"
    - docker start <container name>
  - In Local Machine Terminal, ssh -i <key.pem> -L YYYY:localhost:XXXX user_id@public_ip
  - open a brower → localhost:YYYY

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