**Setup for User GUI on Desktop Workstation**

1) Install Docker desktop: <https://www.docker.com/products/docker-desktop/>

2) Clone the repo:

git clone <https://github.com/satomm1/dds_robot_platform.git>

Note: If you have a Windows machine, you will need to do this twice:

* In your windows file system
* In a WSL2 file system (Ubuntu)

3) Download/install Node.js: <https://nodejs.org/en/download>

4) Navigate to the repo and install react dependencies:

cd dds\_robot\_platform

npm install

5) On your Linux side (WSL), download/install the matt\_python Docker image:

Download image: <https://drive.google.com/file/d/1QRWnUvam9mTr-ddIyROPE6yaVDQHygDh/view?usp=sharing>

docker load < matt\_python\_latest.tar.gz

**Running the User GUI on Desktop Workstation**

1) On the Linux side, navigate to dds\_robot\_platform and bring up the docker containers:

cd dds\_robot\_platform

docker compose up -d

2) On the Linux side, navigate to dds2 directory and start the DDS scripts:

cd dds\_robot\_platform/dds2

. start\_scripts.sh

To stop the scripts:

. stop\_scripts.sh

3) On the Windows side (if have Windows), begin the React Node:

cd dds\_robot\_platform/gui2

npm start

To stop the node:

Ctrl+Z