Tomography workshop

Login instructions

Each participant will be getting a public IP address and a public URL besides their name in the excel sheet.

Go to the browser of your choice (Chrome and Firefox preferred) and copy-paste the URL from excel sheet

URL format:
https://your-public-ip:8443#workshop

It will give a certificate warning that the site can be deceptive or cannot be trusted.

For Chrome, Advanced -> Proceed to IP ADDRESS (unsafe)
For Safari, Show details -> Visit website
For Firefox, Advanced -> Accept risk and continue

Login: ec2-user
Password: workshop2021

Disclaimer: Users can face network latency depending on their location and network connectivity. Some commands will take a while to execute and it can get slower

Appion-Protomo

You can directly browse myamiweb over the browser by entering the following URL:

http://your-public-ip/myamiweb

Datasets: /home/ec2-user/appion-protomo/emg/data/tiltseries

It is also pre-loaded inside the docker container.
/emg/data/tiltseries

To execute commands from the command line:

Login into the instance by referring to the login instructions mentioned above

Open terminal
```
cd ~/appion-protomo
./exec.sh
```

You will be in the root directory of the container

```
su - appionuser
```

And now execute the commands

EMAN

Login into the instance by referring to the login instructions mentioned above

Open terminal and activate your conda environment
conda activate

Start the GUI
e2projectmanager.py
It takes a couple of minutes to load the GUI
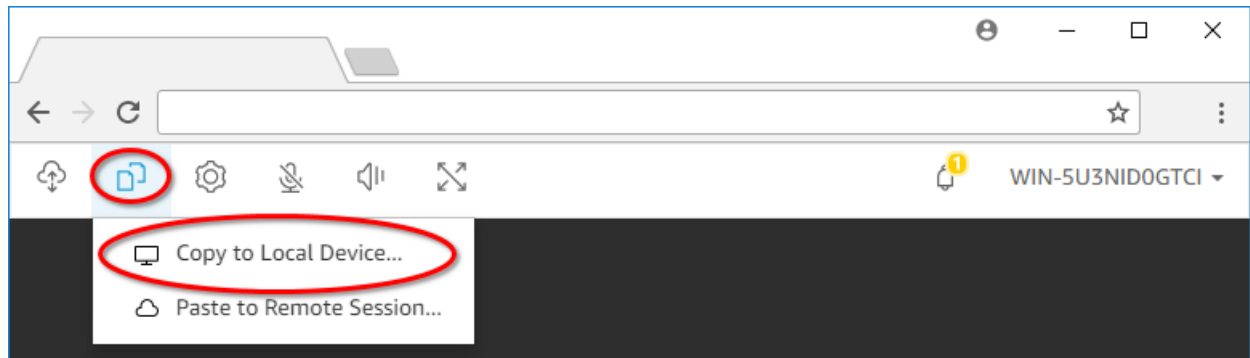
Datasets are preloaded at the following directory path:
/data (when you go to Import tiltseries > Browse, type "/data" into Path:)

Common instructions

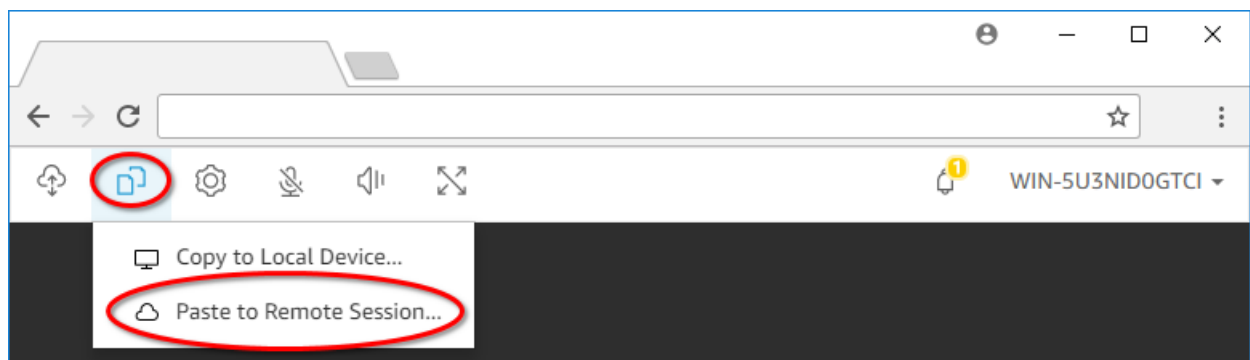**To copy text from the instance to your local computer**

In the web browser, highlight the text to copy and choose Clipboard, Copy to Local Device located in the top-left corner of the interface.

The text is now placed in your computer's clipboard. You can paste it using the paste keyboard shortcut

To copy text from your local computer into the instance

On your local computer, copy the text using the copy keyboard shortcut or right click to copy text In the web browser, choose Clipboard, Paste to Remote Session located in the top-left corner of the interface.

The text is now placed in the NICE DCV session clipboard. You can paste it using the host operating system's paste shortcuts.

Screen layout
Adjust the screen layout command as per your machine by entering the command below:
```
dcv set-display-layout --session workshop 1920x1080+0+0
```