NVIDIA Jetson Nano Setup

Setup Headless Jetson with GUI Client

Harley's Tutorial for different client side DMs

We use **X2Go**.

https://teawiki.net/doku.php?id=workshops:nvidia_jetson:xavier_nx:start

Changing Runlevel

Change the Jetson runlevel to non-GUI to switch off the gnome display manager (or other DM) to free memory.

Instead enable graphical login with X2Go.

```
# Temporary
sudo systemctl isolate multi-user.target

# Permanent
sudo systemctl set-default multi-user.target
```

ROS Setup

Use Docker Containers

- NVIDIA Forum on ROS2 on Jetson Nano

https://nvidia-ai-iot.github.io/ros2_jetson/ros2-jetson-dockers/

https://github.com/dusty-nv/jetson-containers#ros-containers

```
git clone https://github.com/dusty-nv/jetson-containers
```

Misc

Harley's tutorial for setting up ROS on NVIDIA Jetson **Xavier NX**. It is not applicable to Jetson Nano because binaries are not provided in the repos.

From:

https://wiki.eolab.de/ - **HSRW EOLab Wiki**

Permanent link:

https://wiki.eolab.de/doku.php?id=projects:jetson:nano:start&rev=1686405892

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