Steps to flash 23.02 Jetson CUDA-X AI Developer Preview on Jetson AGX Orin Developer Kit

1. **Download Jetson Orin tarball which includes BSP, Rootfs, CUDA, cuDNN, TensorRT**
   A. **Download zip on your ubuntu host system:**
      23.02_jetson_cuda-x_ai_dp.zip
   B. **Unzip the file**
      $ unzip 23.02_jetson_cuda-x_ai_dp.zip

2. Prepare the BSP build on host .

```
$  cd BSP_35.3.0
$  tar xpf Jetson_Linux_R35.3.0_aarch64.tbz2
$  cd Linux_for_Tegra/rootfs/
$  sudo tar xpf ../../Tegra_Linux_Sample-Root-Filesystem_R35.3.0_aarch64.tbz2
$  cd ..
$  sudo ./apply_binaries.sh
```

3. Put the device in recovery mode to flash the device

1. Make sure the device is connected to the power adaptor , but powered off
2. Connect the host computer to the front USB type C connector on the device
3. Press and hold the middle (Force Recovery) button.
4. Press and hold the left (Power) button.
5. Release both buttons.

4. Verify if the device is in recovery mode (must show in output : 0955:7223**)**

```
$ lsusb | grep NVidia
  Bus 001 Device 036: ID 0955:7223 NVidia Corp.
```

5. Now flash the device

```
# Flash command to flash AGX orin with max N
$ sudo ./flash.sh jetson-agx-orin-devkit-maxn mmcblk0p1
```

6. Now perform the OEM config at first boot

If the HDMI is connected to the device ,

- Follow the instructions on Display and complete the system configuration via GUI.

OR

If the HDMI is not connected to the device ,

- Open /dev/ttyACM4 UART serial console (using minicom) to complete the system configuration via serial.