Use both Integrated and Discrete GPUs on NVIDIA Developer Kits

NVIDIA Developer Kits like the <u>NVIDIA IGX Orin</u> or the <u>NVIDIA Clara AGX</u> have both a discrete GPU (dGPU - optional on IGX Orin) and an integrated GPU (iGPU - Tegra SoC).

As of this release, when these developer kits are flashed to leverage the dGPU, there are two limiting factors preventing the use of the iGPU:

1. Conflict between the dGPU kernel mode driver and the iGPU display kernel driver (both named `nvidia.ko`). This conflict is not addressable at this time, meaning that **the iGPU cannot be used for display while the dGPU is enabled**.

2. Conflicts between the user mode driver libraries (ex: `libcuda.so`) and the compute stack (ex: `libcuda_rt.so`) for dGPU and iGPU.

We provide utilities to work around the second conflict:

Ingested Tab Module

> ⚠️ **Attention**
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> These utilities enable using the iGPU for capabilities other than **display** only, since they do not address the first conflict listed above.