InternVL2

Install Conda environment:

conda create -n intern-vl2 python=3.11 -y && conda activate intern-vl2

Install required libraries:

pip install Imdeploy

pip install modelscope pip install huggingface_hub pip install timm

Download the Model;

download from Hugging face (https://huggingface.co/OpenGVLab/internVL2-8B)
from huggingface_hub import snapshot_download
model_dir = snapshot_download(repo_id="OpenGVLab/InternVL2-8B", local_dir =
"/home/modelscope/shan/InternVL2-8B/model-files")

Download from Modelscope (https://modelscope.cn/models/OpenGVLab/InternVL2-8B)

from modelscope import snapshot_download model_dir = snapshot_download("OpenGVLab/InternVL2-8B", local_dir = "/home/modelscope/shan/InternVL2-8B/model-files")

O download from Modelscope using command line

create account and login

- >> modelscope login --token 120ffdc5-1efb-400c-a8fb-e5789ce0985a
- >> modelscope download --model OpenGVLab/InternVL2-8B --local_dir InternVL2-1B/model-files

My Server GPU

NVID	IA-SMI	535.216.01		Driver	Version: 535.216.01	CUDA Versio	n: 12.2
	Name Temp	Perf	Pwr:Usag	je/Cap	Bus-Id Disp.A Memory-Usage	GPU-Util 	Compute M. MIG M.
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2 N/A	Tesla 34C	T4 P8	11W /	Off 70W	00000000:13:00.0 Off 4MiB / 15360MiB		0 Default N/A
3 N/A	Tesla 36C	T4 P8	12W /	Off 70W	00000000:1B:00.0 Off 4MiB / 15360MiB		0 Default N/A
Proc	esses: GI		PID Type	Proces	ss name		GPU Memory
di 0	ID	ID	TID Type	rroces	33 Haric		Usage

CUDA: Out of memory

Reference:

 $https://internvl.readthedocs.io/en/latest/internvl2.0/quick_start.html \\ https://modelscope.cn/models/OpenGVLab/InternVL2-8B/summary \\ https://github.com/OpenGVLab/InternVL \\ https://huggingface.co/OpenGVLab/internVL2-8B$