

System : HPC-ProServer DPet640

CPU : (2) Intel Xeon Gold 6226R 2.9GHz 16C/32T, 10.4GT/s, 22 M キャッシュ, ターボ, HT (150W)

Mem : 384GB (12) 32GB RDIMM, 2933MT/s, 2R

GPU : (2) NVIDIA GeForce 3090

OS : CentOS v7.9

Driver : 460.32.03 / CUDA : 11.2

Anaconda 4.9.2

tensorflow-gpu 2.4.1

Date : 2021-03

model	Batch Size	GPUs		Speed Up Ratio	
		1	2	1gpu/1gpu	2gpu/1gpu
inception4	32	152	278	1.0	1.8
inception4	64	166	321	1.0	1.9
inception3	32	300	519	1.0	1.7
inception3	64	340	643	1.0	1.9
alexnet	32	2650	1068	1.0	0.4
alexnet	64	3705	1967	1.0	0.5
resnet50	32	440	774	1.0	1.8
resnet50	64	496	927	1.0	1.9
resnet50_v2	32	444	788	1.0	1.8
resnet50_v2	64	503	947	1.0	1.9
resnet101	32	241	380	1.0	1.6
resnet101	64	294	553	1.0	1.9
resnet101_v2	32	257	451	1.0	1.8
resnet101_v2	64	297	550	1.0	1.9
resnet152	32	173	306	1.0	1.8
resnet152	64	205	382	1.0	1.9
resnet152_v2	32	171	318	1.0	1.9
resnet152_v2	64	206	384	1.0	1.9
vgg16	32	294	326	1.0	1.1
vgg16	64	311	451	1.0	1.5
vgg19	32	252	307	1.0	1.2
vgg19	64	262	387	1.0	1.5
trivial	32	25999	9339	1.0	0.4
trivial	64	44249	18098	1.0	0.4