

System : HPC-ProServer DPeR740				
CPU : (2) Intel Xeon Gold 6142 CPU 2.60GHz 16C/32T				
Mem : 96GB 2666MHz DDR4				
GPU : (2) NVIDIA GeForce RTX 2080				
OS : CentOS v7.5 3.10.0-693.21.1.el7.x86_64				
Driver : 410.48 / CUDA : 9.0 / CUDNN : 7.3				
nvidia-docker2-2.0.3-1.docker18.06.1.ce.noarch				
docker-ce-18.06.1.ce-3.el7.x86_64				
Date : 2018-10				

model	Batch Size	GPUs	Anaconda 3.5.0	nvidia-docker
Python Version			3.5.5	3.5.2
Tensorflow Version			1.11.0	1.10.0+nv
alexnet	32	1	1470.43	1534.93
alexnet	32	2	693.72	700.61
alexnet	64	1	1914.89	1954.69
alexnet	64	2	1313	1325.84
inception3	32	1	128.81	119.53
inception3	32	2	251.83	231.32
inception3	64	1	137.84	135.46
inception3	64	2	273.56	263.59
inception4	32	1	65.92	64.72
inception4	32	2	126.84	125.04
inception4	64	1	-	-
inception4	64	2	-	-
resnet101	32	1	113.68	114.9
resnet101	32	2	215.84	215.83
resnet101	64	1	-	-
resnet101	64	2	-	-
resnet101_v2	32	1	115.01	115.68
resnet101_v2	32	2	218.55	218.91
resnet101_v2	64	1	-	-
resnet101_v2	64	2	-	-
resnet152	32	1	79.87	80.89
resnet152	32	2	151.24	151.42
resnet152	64	1	-	-
resnet152	64	2	-	-
resnet152_v2	32	1	80.73	81.61
resnet152_v2	32	2	152.72	154.02
resnet152_v2	64	1	-	-
resnet152_v2	64	2	-	-

resnet50	32	1	191.56	190.61
resnet50	32	2	367.29	363.09
resnet50	64	1	204.65	203.86
resnet50	64	2	400.14	393.35
resnet50_v2	32	1	195.03	188.84
resnet50_v2	32	2	373.45	364.74
resnet50_v2	64	1	208.28	210.4
resnet50_v2	64	2	406.94	346.45
trivial	32	1	12443.23	13969.47
trivial	32	2	6039.5	6286.5
trivial	64	1	22671.13	24897.6
trivial	64	2	11825.07	12247.71
vgg16	32	1	118.7	114.4
vgg16	32	2	157.55	142.26
vgg16	64	1	121.97	122.59
vgg16	64	2	192.9	-
vgg19	32	1	104.57	105.09
vgg19	32	2	143.92	140.36
vgg19	64	1	106.13	106.75
vgg19	64	2	172.04	-