

System : HPC-ProServer DPeR740
 CPU : (2) Intel Xeon Gold 6142 CPU 2.60GHz 16C/32T
 Mem : 144GB 2400MHz DDR4
 GPU : (2) NVIDIA TITAN V 12GBメモリ
 OS : CentOS v7.5 3.10.0-862.3.2.el7.x86_64
 CUDA : 9.2 / CUDNN : 7.1 / NCCL : 2.2.13
 nvidia-docker2-2.0.3-1.docker18.06.1.ce.noarch
 docker-ce-18.06.1.ce-3.el7.x86_64
 Date : 2018-09

model	Batch Size	GPUs	build from source	Anaconda	nvidia-docker TensorRT版 (4.0.1)	nvidia-docker
Tensorflow Version			1.10.0	1.10.1	1.10.1	1.9.0
alexnet	32	1	2210.66	2108.9	2164.58	2035.13
alexnet	32	2	599.99	632.99	697.61	596.84
alexnet	64	1	2862.74	2805.25	2828.2	2583.03
alexnet	64	2	1415.44	1374.78	1165	1190.09
inception3	32	1	181.44	180.85	183.8	173.08
inception3	32	2	346.76	345.7	349.42	294.38
inception3	64	1	205.94	205.34	204.61	191.79
inception3	64	2	402.39	402.14	402.75	371.1
inception4	32	1	92.77	92.75	93.74	91.99
inception4	32	2	176.05	178.68	177.69	171.8
inception4	64	1	103.02	103.24	103.32	94.46
inception4	64	2	-	200.8	-	-
resnet101	32	1	160.86	160.19	158.07	154.88
resnet101	32	2	294.26	296.63	293.74	289.15
resnet101	64	1	178.94	178.41	175.92	172.38
resnet101	64	2	341.15	340.96	340.23	326.33
resnet101_v2	32	1	162.47	162.03	159.92	158.74
resnet101_v2	32	2	296.79	301.21	292.96	274.5
resnet101_v2	64	1	180.83	180.19	178.06	171.15
resnet101_v2	64	2	344.78	348.82	339.82	327.62
resnet152	32	1	112.44	111.92	110.57	109.11
resnet152	32	2	205.62	207.93	204.99	197.22
resnet152_v2	32	1	113.44	113.29	111.83	111.27
resnet152_v2	32	2	207.46	207.13	205.2	201.85
resnet152_v2	64	1	125.63	125.27	123.5	122.14
resnet152_v2	64	2	239.22	-	-	234.5
resnet50	32	1	273.4	274.39	268.68	267.78
resnet50	32	2	510.43	504.94	504.29	466.55
resnet50	64	1	303.57	303.05	300.96	297.95
resnet50	64	2	586.38	584.38	581.43	547.69
resnet50_v2	32	1	279.54	278.96	274.68	271.79
resnet50_v2	32	2	522.42	514.86	514.32	492.93
resnet50_v2	64	1	310.15	309.41	306.83	298.7
resnet50_v2	64	2	598.24	599.58	592.19	562.94
trivial	32	1	11402.06	11668.12	10532.65	10551.09
trivial	32	2	6129.64	6446.49	5909.34	5796.89
trivial	64	1	21975.31	21902.39	19999.21	19936.28

trivial	64	2	10443.52	12546.01	10351.42	10535.76
vgg16	32	1	177.85	176	178.6	157.19
vgg16	32	2	192.84	190.91	191.95	177.55
vgg16	64	1	188.34	187.52	187.65	183.33
vgg16	64	2	261.26	270.99	268.87	253.81
vgg19	32	1	154.16	152.89	154.95	133.15
vgg19	32	2	178.59	177.63	179.27	172.81
vgg19	64	1	162.96	162.89	162.97	150.34
vgg19	64	2	238.83	242.62	238.95	223.42