

## 日志预览



日志类型

profiler\_log



```
2019-11-13 12:19:44,040 - INFO - pyramid_train_pe.py: 197 - train
2019-11-13 12:19:44,040 - INFO - pyramid_train_pe.py: 206 - train file = ./train_data_1
2019-11-13 12:19:44,041 - INFO - pyramid_train_pe.py: 207 - thread_num = 1
2019-11-13 12:19:44,074 - INFO - pyramid_train_pe.py: 144 - run local training
2019-11-13 12:19:47,673 - INFO - pyramid_train_pe.py: 53 - name list
2019-11-13 12:19:47,673 - INFO - pyramid_train_pe.py: 54 - [u'EmbeddingWithVSum_emb_0', u'PyramidHash_emb_0', u'Filter',
u'search_pyramid_hash_0.w_0', u'search_pyramid_hash_1.w_0', u'search_pyramid_hash_2.w_0', u'search_pyramid_hash_3.w_0',
u'search_pyramid_hash_4.w_0', u'search_pyramid_hash_5.w_0', u'FC_query_1', u'FC_query_b_1', u'FC_title_1', u'FC_title_b_
1']
2019-11-13 12:19:54,304 - INFO - pyramid_train_pe.py: 65 - setting param 'EmbeddingWithVSum_emb_0' with shape = (750001, 2
56)
2019-11-13 12:20:01,719 - INFO - pyramid_train_pe.py: 65 - setting param 'PyramidHash_emb_0' with shape = (192000016, 1)
2019-11-13 12:20:04,279 - INFO - pyramid_train_pe.py: 65 - setting param 'Filter' with shape = (5990672, 1)
2019-11-13 12:20:04,349 - INFO - pyramid_train_pe.py: 65 - setting param 'FC_query_1' with shape = (256, 256)
2019-11-13 12:20:04,351 - INFO - pyramid_train_pe.py: 65 - setting param 'FC_query_b_1' with shape = (256,)
2019-11-13 12:20:04,353 - INFO - pyramid_train_pe.py: 65 - setting param 'FC_title_1' with shape = (256, 256)
2019-11-13 12:20:04,355 - INFO - pyramid_train_pe.py: 65 - setting param 'FC_title_b_1' with shape = (256,)
2019-11-13 12:20:05,672 - INFO - pyramid_train_pe.py: 90 - filelist: ['./train_data_1/part-00104', './train_data_1/part-00
455', './train_data_1/part-00649', './train_data_1/part-00609', './train_data_1/part-00133', './train_data_1/part-00640',
 './train_data_1/part-00603', './train_data_1/part-00778', './train_data_1/part-00400', './train_data_1/part-00023', './tra
in_data_1/part-00358', './train_data_1/part-00428', './train_data_1/part-00292', './train_data_1/part-00126', './train_dat
a_1/part-00055', './train_data_1/part-00693', './train_data_1/part-00465', './train_data_1/part-00258', './train_data_1/pa
rt-00306', './train_data_1/part-00470', './train_data_1/part-00788', './train_data_1/part-00087', './train_data_1/part-006
59', './train_data_1/part-00221', './train_data_1/part-00844', './train_data_1/part-00487', './train_data_1/part-00554',
 './train_data_1/part-00850', './train_data_1/part-00799', './train_data_1/part-00084', './train_data_1/part-00723', './tra
in_data_1/part-00218', './train_data_1/part-00236', './train_data_1/part-00353', './train_data_1/part-00516', './train_dat
```

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a_1/part-00881', './train_data_1/part-00229', './train_data_1/part-00634', './train_data_1/part-00287', './train_data_1/part-00514']
2019-11-13 12:20:05,673 - INFO - pyramid_train_pe.py: 95 - epoch 0 start
pos/neg elementwise_div_0          lod: {}
    dim: 1
    layout: NCHW
    dtype: float
    data: [1.08333]

pos/neg elementwise_div_0          lod: {}
    dim: 1
    layout: NCHW
    dtype: float
    data: [0.969231]

pos/neg elementwise_div_0          lod: {}
    dim: 1
    layout: NCHW
    dtype: float
    data: [1.28571]

pos/neg elementwise_div_0          lod: {}
    dim: 1
    layout: NCHW
    dtype: float
    data: [1.13333]

pos/neg elementwise_div_0          lod: {}
    dim: 1
    layout: NCHW
    dtype: float
    data: [1.32727]

pos/neg elementwise_div_0          lod: {}
    dim: 1
```

```
    layout: NCHW
    dtype: float
    data: [1.32727]

pos/neg elementwise_div_0      lod: {}
    dim: 1
    layout: NCHW
    dtype: float
    data: [0.969231]

pos/neg elementwise_div_0      lod: {}
    dim: 1
    layout: NCHW
    dtype: float
    data: [1.41509]

pos/neg elementwise_div_0      lod: {}
    dim: 1
    layout: NCHW
    dtype: float
    data: [1.97674]

pos/neg elementwise_div_0      lod: {}
    dim: 1
    layout: NCHW
    dtype: float
    data: [1.41509]

pos/neg elementwise_div_0      lod: {}
    dim: 1
    layout: NCHW
    dtype: float
    data: [2.04762]

pos/neg elementwise_div_0      lod: {}
    dim: 1
```

```
layout: NCHW
dtype: float
data: [1.844444]
```

```
pos/neg elementwise_div_0          lod: {}
dim: 1
layout: NCHW
dtype: float
data: [0.969231]
```

```
2019-11-13 12:29:08,608 - INFO - pyramid_train_pe.py: 113 - epoch: 0, used time: 542.935487032 sec
2019-11-13 12:29:09,927 - INFO - pyramid_train_pe.py: 95 - epoch 1 start
W1113 12:29:11.397526 5474 profiler.cc:89] CUDA CUPTI is not enabled
```

-----> Profiling Report <-----

Note! This Report merge all thread info into one.

Place: All

Time unit: ms

Sorted by total time in descending order in the same thread

Event	Calls	Total	CPU Time (Ratio)	GPU Time (Ratio)	Min.	Max.
pyramid_hash	79728	277998	277995.960762 (0.999992)	2.188518 (0.000008)	0.362725	9.767
06	3.48683	0.520732				
pyramid_hash_grad	79728	66528	66527.246513 (0.999989)	0.723884 (0.000011)	0.101797	3.297
64	0.834437	0.124617				
sum	93016	59314.8	59314.715458 (0.999998)	0.091732 (0.000002)	0.010508	6.046
24	0.637684	0.111105				
fused_embedding_seq_pool	79728	26188.3	26182.982154 (0.999798)	5.281512 (0.000202)	0.1199	5.281
51	0.32847	0.0490545				
mul_grad	39864	23969.1	23968.477567 (0.999974)	0.629011 (0.000026)	0.447147	1.098
52	0.601272	0.0448977				
fused_embedding_seq_pool_grad	79728	18145.7	18145.290405 (0.999978)	0.391921 (0.000022)	0.088255	0.483
93	0.227595	0.0339895				
mul	39864	13253.9	13253.389901 (0.999960)	0.531958 (0.000040)	0.234669	0.633

238	0.332478	0.0248266							
sequence_pool_grad			79728	11963.7	11963.480307 (0.999984)	0.196563 (0.000016)	0.043222	0.355	
945	0.150056	0.0224097							
sgd			66440	9045.38	9044.768700 (0.999932)	0.613750 (0.000068)	0.007166	5.587	
3	0.136144	0.0169433							
scale			225896	5747.44	5747.396578 (0.999992)	0.044210 (0.000008)	0.007561	0.120	
624	0.0254429	0.0107658							
sequence_pool			79728	4941.09	4940.860989 (0.999954)	0.226448 (0.000046)	0.036787	0.247	
209	0.0619743	0.00925539							
elementwise_add_grad			53152	3240.02	3240.002746 (0.999995)	0.016152 (0.000005)	0.009396	0.144	
253	0.0609576	0.00606903							
elementwise_add			53152	2536.44	2536.364000 (0.999972)	0.071618 (0.000028)	0.007197	0.115	
933	0.0477204	0.00475112							
cos_sim_grad			26576	2059.78	2059.694907 (0.999957)	0.088634 (0.000043)	0.058986	0.111	
024	0.0775054	0.00385828							
softsign_grad			39864	1538.6	1538.557073 (0.999970)	0.045999 (0.000030)	0.030136	0.066	
218	0.0385963	0.00288203							
cos_sim			26576	1514.71	1514.642290 (0.999955)	0.068045 (0.000045)	0.042844	0.108	
505	0.0569954	0.00283728							
softsign			39864	1324.99	1324.941451 (0.999966)	0.044475 (0.000034)	0.024021	0.051	
139	0.0332377	0.00248189							
save			14	1312.45	655.679366 (0.499583)	656.773620 (0.500417)	0.030505	656.7	
74	93.7466	0.00245842							
cast			106304	990.741	990.716075 (0.999975)	0.024954 (0.000025)	0.004489	0.044	
234	0.00931988	0.0018558							
fill_zeros_like			53152	294.256	294.244356 (0.999962)	0.011246 (0.000038)	0.004191	0.036	
226	0.00553612	0.000551184							
reduce_sum			26576	293.214	293.192485 (0.999928)	0.021214 (0.000072)	0.00573	0.031	
916	0.011033	0.000549233							
fill_constant_batch_size_like			26576	276.049	276.025039 (0.999912)	0.024388 (0.000088)	0.006256	0.030	
904	0.0103872	0.000517081							
less_than			26576	223.868	223.852376 (0.999930)	0.015574 (0.000070)	0.005381	0.027	
479	0.00842369	0.000419338							
reduce_mean_grad			13288	185.783	185.761728 (0.999885)	0.021274 (0.000115)	0.012317	0.032	
542	0.0139813	0.000347999							
elementwise_sub_grad			13288	168.535	168.515549 (0.999882)	0.019935 (0.000118)	0.011029	0.056	

851	0.0126833	0.000315692							
elementwise_max_grad			13288	166.341	166.322404 (0.999889)	0.018388 (0.000111)	0.010921	0.028	
006	0.0125181	0.000311581							
fill_constant			13288	148.997	148.983675 (0.999908)	0.013681 (0.000092)	0.009536	0.030	
609	0.0112129	0.000279094							
elementwise_div			13288	143.587	143.552328 (0.999760)	0.034493 (0.000240)	0.009606	0.034	
493	0.0108058	0.000268959							
elementwise_sub			13288	120.392	120.372262 (0.999838)	0.019458 (0.000162)	0.007909	0.023	
627	0.00906018	0.000225511							
reduce_mean			13288	117.673	117.658319 (0.999879)	0.014244 (0.000121)	0.007683	0.028	
677	0.00885555	0.000220418							
elementwise_max			13288	108.834	108.819055 (0.999862)	0.015016 (0.000138)	0.007262	0.026	
337	0.0081904	0.000203862							

-----> Profiling Report <-----

Place: All

Time unit: ms

Sorted by total time in descending order in the same thread

Event	Calls	Total	CPU Time (Ratio)	GPU Time (Ratio)	Min.
thread1::pyramid_hash	79728	277998	277995.960762 (0.999992)	2.188518 (0.000008)	0.362725
9.76706	3.48683	0.522015			
thread1::pyramid_hash_grad	79728	66528	66527.246513 (0.999989)	0.723884 (0.000011)	0.101797
3.29764	0.834437	0.124924			
thread1::sum	93016	59314.8	59314.715458 (0.999998)	0.091732 (0.000002)	0.010508
6.04624	0.637684	0.111379			
thread1::fused_embedding_seq_pool	79728	26188.3	26182.982154 (0.999798)	5.281512 (0.000202)	0.1199
5.28151	0.32847	0.0491754			
thread1::mul_grad	39864	23969.1	23968.477567 (0.999974)	0.629011 (0.000026)	0.447147
1.09852	0.601272	0.0450083			
thread1::fused_embedding_seq_pool_grad	79728	18145.7	18145.290405 (0.999978)	0.391921 (0.000022)	0.088255
0.48393	0.227595	0.0340733			
thread1::mul	39864	13253.9	13253.389901 (0.999960)	0.531958 (0.000040)	0.234669

0.633238	0.332478	0.0248877						
thread1::sequence_pool_grad	79728	11963.7	11963.480307 (0.999984)	0.196563 (0.000016)	0.043222			
0.355945	0.150056	0.022465						
thread1::sgd	66440	9045.38	9044.768700 (0.999932)	0.613750 (0.000068)	0.007166			
5.5873	0.136144	0.0169851						
thread1::scale	225896	5747.44	5747.396578 (0.999992)	0.044210 (0.000008)	0.007561			
0.120624	0.0254429	0.0107923						
thread1::sequence_pool	79728	4941.09	4940.860989 (0.999954)	0.226448 (0.000046)	0.036787			
0.247209	0.0619743	0.0092782						
thread1::elementwise_add_grad	53152	3240.02	3240.002746 (0.999995)	0.016152 (0.000005)	0.009396			
0.144253	0.0609576	0.00608399						
thread1::elementwise_add	53152	2536.44	2536.364000 (0.999972)	0.071618 (0.000028)	0.007197			
0.115933	0.0477204	0.00476283						
thread1::cos_sim_grad	26576	2059.78	2059.694907 (0.999957)	0.088634 (0.000043)	0.058986			
0.111024	0.0775054	0.00386779						
thread1::softsign_grad	39864	1538.6	1538.557073 (0.999970)	0.045999 (0.000030)	0.030136			
0.066218	0.0385963	0.00288913						
thread1::cos_sim	26576	1514.71	1514.642290 (0.999955)	0.068045 (0.000045)	0.042844			
0.108505	0.0569954	0.00284427						
thread1::softsign	39864	1324.99	1324.941451 (0.999966)	0.044475 (0.000034)	0.024021			
0.051139	0.0332377	0.00248801						
thread1::cast	106304	990.741	990.716075 (0.999975)	0.024954 (0.000025)	0.004489			
0.044234	0.00931988	0.00186038						
thread1::fill_zeros_like	53152	294.256	294.244356 (0.999962)	0.011246 (0.000038)	0.004191			
0.036226	0.00553612	0.000552543						
thread1::reduce_sum	26576	293.214	293.192485 (0.999928)	0.021214 (0.000072)	0.00573			
0.031916	0.011033	0.000550586						
thread1::fill_constant_batch_size_like	26576	276.049	276.025039 (0.999912)	0.024388 (0.000088)	0.006256			
0.030904	0.0103872	0.000518356						
thread1::less_than	26576	223.868	223.852376 (0.999930)	0.015574 (0.000070)	0.005381			
0.027479	0.00842369	0.000420371						
thread1::reduce_mean_grad	13288	185.783	185.761728 (0.999885)	0.021274 (0.000115)	0.012317			
0.032542	0.0139813	0.000348857						
thread1::elementwise_sub_grad	13288	168.535	168.515549 (0.999882)	0.019935 (0.000118)	0.011029			
0.056851	0.0126833	0.00031647						
thread1::elementwise_max_grad	13288	166.341	166.322404 (0.999889)	0.018388 (0.000111)	0.010921			

0.028006	0.0125181	0.000312349						
thread1::fill_constant			13288	148.997	148.983675 (0.999908)	0.013681 (0.000092)		0.009536
0.030609	0.0112129	0.000279782						
thread1::elementwise_div			13288	143.587	143.552328 (0.999760)	0.034493 (0.000240)		0.009606
0.034493	0.0108058	0.000269622						
thread1::elementwise_sub			13288	120.392	120.372262 (0.999838)	0.019458 (0.000162)		0.007909
0.023627	0.00906018	0.000226067						
thread1::reduce_mean			13288	117.673	117.658319 (0.999879)	0.014244 (0.000121)		0.007683
0.028677	0.00885555	0.000220961						
thread1::elementwise_max			13288	108.834	108.819055 (0.999862)	0.015016 (0.000138)		0.007262
0.026337	0.0081904	0.000204365						
thread0::save			14	1312.45	655.679366 (0.499583)	656.773620 (0.500417)		0.030505
656.774	93.7466	1						