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#####
#####JOB RESUME OPTIMIZED#####
Executable: /fws6/lb/work/rd/nel/g9jr/ENFO/2014020200/mc/001/tmp.g9jr_eps_nemo_main_fc_ensemble_pf_001_legA.modeleps_nemo.5.9502/ifsMASTER <unknown args>
Nprocs (-n): 160
JOB ID: 026145
Start Time: Thu Jan 29 13:31:26 2015
End Time: Thu Jan 29 15:06:12 2015
Run Time: 5687
```

SHOW INFO:

- Showing 10 most expensive IO files per task
- Showing files with more than 5.0 seconds of Meta + Read + Write time , you can change it using --threshold=N.N
- Considering shared files those that have been accessed by 4 or more ranks

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Report File per task data

(threshold is 5.0 seconds of Meta + Read + Write time, you can change it using --threshold=N.N)
(the table is just showing the 10 most expensive files per rank, use --extended to see them all)

rank	opens	stats	seeks	File size	Meta time	Read time	MB	MB/s	Write time	MB	MB/s	Filename
0	11	66	0	8.0	14.4	0.1	82.5	799.6	-	-	-	- O3CHEM01_V2.9

Report aggregated per MPI task

rank	opens	stats	seeks	Meta time	Read time	MB	MB/s	Write time	MB	MB/s
0	109	402	2462	15.1	12.4	6876.1	555.4	5.5	1817.3	331.2
1	16	45	694	0.3	0.1	3.2	34.5	0.4	37.0	101.1
2	16	45	694	0.3	0.1	3.2	32.9	0.4	37.0	86.4
3	16	45	694	0.3	0.1	3.2	32.3	0.5	37.0	74.4
4	16	45	694	0.3	0.1	3.2	33.1	0.4	37.0	98.8
6	16	45	694	0.3	0.1	3.2	34.1	0.4	37.0	98.9
7	16	45	694	0.3	0.1	3.2	32.6	0.4	37.0	82.9
8	16	45	694	0.3	0.1	3.2	33.6	0.3	37.0	120.5
9	16	45	694	0.3	0.1	3.2	35.6	0.4	38.0	101.0
10	20	49	1108	0.4	0.1	3.2	34.4	4.2	1793.7	426.4
11	16	45	694	0.3	0.1	3.2	32.5	0.4	35.2	95.9
12	16	45	694	0.3	0.1	3.2	34.6	0.5	35.2	73.5
13	16	45	694	0.4	0.1	3.2	34.1	0.3	35.2	107.6
14	16	45	694	0.3	0.1	3.2	32.0	0.4	35.2	95.1
15	16	45	694	0.3	0.1	3.2	33.9	0.3	35.2	107.0
16	16	45	694	0.3	0.1	3.2	35.8	0.5	35.2	76.2
17	16	45	694	0.3	0.1	3.2	33.1	0.4	35.2	87.2
18	16	45	694	0.3	0.1	3.2	33.7	0.4	35.2	93.2
19	16	45	694	0.4	0.1	3.2	36.1	0.4	36.2	97.3
...										
151	16	45	694	0.3	0.1	3.2	35.0	0.3	35.2	101.6
152	16	45	694	0.3	0.1	3.2	38.4	0.4	35.2	92.8
154	16	45	694	0.3	0.1	3.2	36.2	0.4	35.2	94.0
155	16	45	694	0.3	0.1	3.2	36.0	0.4	35.2	84.7
156	16	45	694	0.3	0.1	3.2	33.3	0.4	35.2	91.1
157	16	45	694	0.3	0.1	3.2	38.8	0.3	35.2	111.0
158	16	45	694	0.3	0.1	3.2	36.4	0.3	35.2	104.0
159	16	45	694	0.3	0.1	3.2	37.0	0.4	36.2	88.5

Summary of all IO

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1542 different files  
1169 read operations  
1515 write operations  
2736 opens  
118557 seeks  
7617 stats  
  0 files opened but no read/write action  
160 files stat/seek but not opened  
  
26.7 read time  
122.4 write time  
70.2 meta time  
  0.5 stat/seek but no open time  
  0.0 open but no read/write time  
  
7377.0 Mbytes read   at 276.5 MB/s  
32053.9 Mbytes written at 261.8 MB/s
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List of shared files

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(Considering shared files those that have been accessed by 4 or more ranks, you can change it using --ntasks=N)
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Ranks File

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160 /lus/snx11116/fws6/lb/work/rd/nel/g9jr/ENFO/2014020200/mc/001/tmp.g9jr_eps_nemo_main_fc_ensemble_pf_001_legA.modeleps_nemo.5.9502/fort.4  
16 /fws6/lb/fdb/:rd:waef:g:g9jr:20140202::/:pf:0000:1:::1:..  
160 /lus/snx11116/fws6/lb/work/rd/nel/g9jr/ENFO/mc/001/tmp.g9jr_eps_nemo_main_fc_ensemble_pf_001_legA.modeleps_nemo.5.9502/wam_namelist  
160 /lus/snx11116/fws6/lb/work/rd/nel/g9jr/ENFO/mc/001/tmp.g9jr_eps_nemo_main_fc_ensemble_pf_001_legA.modeleps_nemo.5.9502/dirlist  
160 /lus/snx11116/fws6/lb/work/rd/nel/g9jr/ENFO/mc/001/tmp.g9jr_eps_nemo_main_fc_ensemble_pf_001_legA.modeleps_nemo.5.9502/ppnamelist  
160 /lus/snx11116/fws6/lb/work/rd/nel/g9jr/ENFO/mc/001/tmp.g9jr_eps_nemo_main_fc_ensemble_pf_001_legA.modeleps_nemo.5.9502/namnemowamcoup.in  
160 /lus/snx11116/fws6/lb/work/rd/nel/g9jr/ENFO/mc/001/tmp.g9jr_eps_nemo_main_fc_ensemble_pf_001_legA.modeleps_nemo.5.9502/namnemocoup.in  
160 /fws6/lb/work/rd/nel/g9jr/ENFO/2014020200/mc/001/g9jr_00000216_restart.nc  
16 /fws6/lb/fdb/:rd:enfo:g:g9jr:20140202::/:pf:0000:1:::1:..  
160 /lus/snx11116/fws6/lb/work/rd/nel/g9jr/ENFO/2014020200/mc/001/tmp.g9jr_eps_nemo_main_fc_ensemble_pf_001_legA.modeleps_nemo.5.9502/namelist
```

Summary of shared files IO

 (Considering shared files those that have been accessed by 4 or more ranks, you can change it using --ntasks=N)

10 different files
 1120 read operations
 32 write operations
 1152 opens
 95680 seeks
 4192 stats
 0 files opened but no read/write action
 160 files stat/seek but not opened

14.4 read time
 0.2 write time
 13.0 meta time
 0.5 stat/seek but no open time
 0.0 open but no read/write time

504.1 Mbytes read at 35.0 MB/s
 2.6 Mbytes written at 12.2 MB/s

Report of shared files IO

 (Considering shared files those that have been accessed by 4 or more ranks, you can change it using --ntasks=N)

rank	opens	stats	seeks	Meta time	Read time	MB	MB/s	Write time	MB	MB/s	
160	160	480	6080	0.5	8.0	271.7	33.9	-	-	-	- namelist
160	160	480	0	1.3	5.3	0.1	0.0	-	-	-	- namnemocoup.in
160	160	640	15360	4.1	0.1	30.1	372.3	-	-	-	- wam_namelist
16	16	16	0	2.1	-	-	-	0.1	2.1	15.8	:pf:0000:1::::1:...
160	160	640	0	1.5	0.0	3.8	82.0	-	-	-	- ppnamelist
160	160	480	0	1.1	0.0	0.1	4.4	-	-	-	- namnemowamcoup.in
160	160	800	3200	1.1	0.0	0.7	30.9	-	-	-	- dirlist
160	160	480	71040	0.2	0.9	197.7	231.3	-	-	-	- fort.4
16	16	16	0	0.7	-	-	-	0.1	0.5	6.5	:pf:0000:1::::1:...
160	0	160	0	0.5	-	-	-	-	-	-	- g9jr_00000216_restart.nc