**20183856 임종승**　　　　　　　　vm.dirty_ratio = 20



```
[61083.023085] PXT4-fs: Unable to register as ext3 (-16)
[61123.280136] PXT4-fs (nvme0n2): mounted filesystem with orde
red data mode. Opts: (null)
[61200.986287]      __pxt4_generic_file_write_iter is called 3,
145,728 times, and the time interval is 82,016,583,278ns (per
thread is 20,504,145,819ns) (100.00%)
[61200.986292]      balance_dirty_pages_ratelimited is called 3
,145,728 times, and the time interval is 76,051,782,478ns (per
 thread is 19,012,945,619ns) (92.72%)
[61200.986295] cpu[0] called pxt_file_write_iter()  804266 tim
es (25%)
[61200.986296] cpu[1] called pxt_file_write_iter()  725635 tim
es (23%)
[61200.986296] cpu[2] called pxt_file_write_iter()  672088 tim
es (21%)
[61200.986296] cpu[3] called pxt_file_write_iter()  943739 tim
es (30%)
```

Total : 82s / 4thread = 20.5s
BDPR : 76s / 4thread = 19s

vm.dirty_ratio = 40

```
[61263.863532] PXT4-fs: Unable to register as ext3 (-16)
[61289.118266] PXT4-fs (nvme0n2): mounted filesystem with orde
red data mode. Opts: (null)
[61346.119515]      __pxt4_generic_file_write_iter is called 3,
145,728 times, and the time interval is 48,366,554,659ns (per
thread is 12,091,638,664ns) (100.00%)
[61346.119527]     balance_dirty_pages_ratelimited is called 3
,145,728 times, and the time interval is 39,447,347,365ns (per
 thread is 9,861,836,841ns) (81.55%)
[61346.119531] cpu[0] called pxt_file_write_iter()  471528 tim
es (14%)
[61346.119531] cpu[1] called pxt_file_write_iter()  1031379 ti
mes (32%)
[61346.119532] cpu[2] called pxt_file_write_iter()  991130 tim
es (31%)
[61346.119533] cpu[3] called pxt_file_write_iter()  651691 tim
es (20%)
```

Total : 48s / 4thread = 12s
BDPR : 39s / 4thread = 9.8s

vm.dirty_ratio = 100



```
[61423.745824] PXT4-fs: Unable to register as ext3 (-16)
[61432.141115] PXT4-fs (nvme0n2): mounted filesystem with orde
red data mode. Opts: (null)
[61464.837453]      __pxt4_generic_file_write_iter is called 3,
145,728 times, and the time interval is 21,510,967,890ns (per
thread is 5,377,741,972ns) (100.00%)
[61464.837475]      balance_dirty_pages_ratelimited is called 3
,145,728 times, and the time interval is 15,194,838,999ns (per
 thread is 3,798,709,749ns) (70.63%)
[61464.837611] cpu[0] called pxt_file_write_iter()  670381 tim
es (21%)
[61464.837621] cpu[1] called pxt_file_write_iter()  796886 tim
es (25%)
[61464.837622] cpu[2] called pxt_file_write_iter()  843914 tim
es (26%)
[61464.837623] cpu[3] called pxt_file_write_iter()  834547 tim
es (26%)
```

Total : 21s / 4thread = 5.2s
BDPR : 15s / 4thread = 3.8s