# Fio scenario

# Configs Parameter List

## Capstone Fio Scenario

| Sequence | Workload Type | Configuration | Purpose | Duration |
|---|---|---|---|---|
| 1 | Sequential Read (on unwritten state) | BS=128KB, QD=128,TC=1 | Front-end의 maximum read bandwidth를 체크 | 10min |
| 2 | Sequential Write (on unwritten state) | BS=128KB, QD=128,TC=1 | FOB 상태에서의 maximum write bandwidth를 체크 | 12min |
| 3 | Sequential Write (on unwritten state) | BS=128KB, QD=128,TC=1 | Sequentially written state에서의 sequential write의 Max. bandwidth체크 | 30min |
| 4 | Sequential Read (on unwritten state) | BS=128KB, QD=128,TC=1 | Sequentially written state에서의 sequential read의 Max. bandwidth체크 | 10min |
| 5 | Random Write (on unwritten state) | BS=4KB, QD=128,TC=4 | Sequentially written state에서의 sequential write의 Max. IOPS체크 | 2min |
| 6 | Random Write/Read(3:7) Mixed (on sequentially written state) | BS=4KB, QD=128,TC=4 | Sequentially written state에서의 sequential write/read의 Max. IOPS체크 | 5min |
| Prep. | Random Write | BS=4KB, QD=128,TC=4 | 7번의 preconditioning | 1hr |
| 7 | Random Write (on randomly written state) | BS=4KB, QD=128,TC=4 | Randomly written state에서의 sequential write의 Max. IOPS체크 | 1hr |
| 8 | Random Write/Read (3:7) Mixed (on randomly written state) | BS=4KB, QD=128,TC=4 | Randomly written state에서의 random write/read mixed의 Max. IOPS체크 | 1hr |