## PE (Pre-Expedite) Experiments Results

## Benchmark: Filebench

## Stand-alone Machine

### Setup

/dev/sda1 xfs 1.2T 14G 1.2T 2%

* === START OF INFORMATION SECTION ===

Device Model: INTEL SSDSC2BB012T7

Serial Number: PHDV640501891P2DGN

LU WWN Device Id: 5 5cd2e4 14d4d21f6

Firmware Version: N2010101

User Capacity: 1,200,243,695,616 bytes [1.20 TB]

Sector Sizes: 512 bytes logical, 4096 bytes physical

Rotation Rate: Solid State Device

Form Factor: 2.5 inches

Device is: Not in smartctl database [for details use: -P showall]

ATA Version is: ACS-3 T13/2161-D revision 5

SATA Version is: SATA 3.1, 6.0 Gb/s (current: 6.0 Gb/s)

Local Time is: Tue Sep 29 04:56:43 2020 PDT

SMART support is: Available - device has SMART capability.

SMART support is: Enabled

* Performance Specifications

Sequential Read (up to)

450 MB/s

Sequential Write (up to)

380 MB/s

Random Read (100% Span)

67500 IOPS

Random Write (100% Span)

17500 IOPS

Latency - Read

40 µs

Latency - Write

42 µs

Power - Active

3.5 W

Power - Idle

600 mW

### PFS

## LUSTRE

overlay overlay 430G 100G 330G 24% /

10.20.10.100@o2ib4:10.20.10.101@o2ib4:/L2 lustre 2.0P 334T 1.5P 19% /app

/dev/sda2 xfs 108G 47G 62G 43% /etc/hosts

/dev/sda3 xfs 430G 100G 330G 24% /etc/hostname

## IndexFS

（XFS）