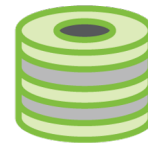


OPEN POSSIBILITIES.

Storage Project Update



NOVEMBER 9-10, 2021



STORAGE

Storage Project

Jason Adrian, Microsoft

Dave Landsman, Western Digital

Matt Shumway, Seagate

OPEN POSSIBILITIES.



Storage Project

• 2021

- Contributions
- NVMe HDD
 - 20-30 companies engaged
 - Spec soon
- Broad adoption of E1.S
- Thermal Methodology
 - Tried but complex re: system/chassis characterization so we shelved for now

See the demos in Experience Center

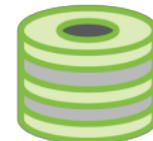
• 2022

- Acoustic Surrogate V2
- Publish NVMe HDD specification

What else do Storage Project members suggest?

OPEN POSSIBILITIES

The screenshot displays the Storage Project website with several key documents and logos. The top section features the 'SPEC, Datacenter NVMe® SSD Specification, Dell, Facebook, HPE, Microsoft' with logos for Dell, Facebook, Microsoft, and Hewlett Packard Enterprise. Below this is the 'White Paper, HDD Dynamics Common Language and Tool' with logos for Broadcom, BOYD, inspur, Facebook, Microsoft, and Western Digital. The bottom section shows 'SPEC, Yosemite V3: E1.S Faceplate Reference, Facebook' and 'SPEC, Yosemite V3: Vernal Falls E1.S 10U Flash Blade and Expansion Board, Facebook', both with the Facebook logo. A green banner at the bottom of the website reads 'Princeton Digital Group (PDG) becomes the first OCP Ready™ data center in Singapore.' with a 'VIEW' button. The website also includes a 'Sort by: Most Recent' dropdown and a 'Final Doc - Google' link in the top right corner.



STORAGE



NOVEMBER 9-10, 2021

OCP Storage Track Overview

Start Time (in PST)	End Time (in PST)	Session ID	Title of Session
1:00 PM	1:10 PM	2134	Storage Project Overview and Intros
1:10 PM	1:30 PM	1916	Attenuating Acoustic Effects on HDD Performance
1:30 PM	1:50 PM	1862	Autonomous Drive Regeneration
1:50 PM	2:00 PM		BREAK
2:00 PM	2:30 PM	1714	OCP NVMe HDD Specification
2:30 PM	2:50 PM	2308	NVMe HDD Demo
2:50 PM	3:00 PM		BREAK
3:00 PM	3:15 PM	1877	Challenges and Effects of EDSFF based Storage Solution
3:15 PM	3:35 PM	2309	Storage Open Discussion
3:35 PM	3:50 PM	1721	Hyperscale and the Future Of Flash Storage
3:50 PM	4:00 PM		BREAK
4:00 PM	4:25 PM	1756	Managing Ethernet-Attached Drives Using Swordfish
4:25 PM	4:50 PM	1995	SmartFTL Architecture for SSDs

Thank you!



NOVEMBER 9-10, 2021