



Zoned Storage TWG

2022 Review and 2023 Plans

Presented by Dave Landsman and Bill Martin

Zoned Storage TWG 2022 Accomplishments

- [Zoned Storage TWG Charter v1.0](#)
- Recent completed work
 - [Zoned Storage Models v0.9 rev 0](#) available for public review
 - The Zoned Storage Model allows the host storage stack to always assume that a Zoned Storage device will support certain properties.
 - Base requirements for Zoned Storage Devices
 - Two specific models
 - A model for a Zoned Storage device that is a good all-round device
 - A model for a Zoned Storage device that provides high performance

Zoned Storage TWG Work Items

- Complete the Zoned Storage Models
- Write a Zoned Storage Use Cases white paper
- Collaborating with
 - NVMe for the Zoned Namespace Command Set
 - INCITS T10 for Zoned Block Commands
 - INCITS T13 for Zoned Device ATA Command Set

Zoned Storage TWG Membership as of 13 January 2023

CALYPSO
Systems

intel.

Micron

SEAGATE

vmware®

DELL
Technologies

inspur

NetApp

SiliconMotion

Western Digital.

FUTUREWEI
Technologies

KIOXIA

PLiOPS
EXTREME DATA PROCESSOR

SOLIDIGM.

长江存储
YANGTZE MEMORY

HUAWEI

Lenovo

SAMSUNG

TOSHIBA

Zoned Storage TWG Participation

- What is the expected industry impact of this work
 - The models provided by the Zoned Storage TWG will allow:
 - Suppliers of Zoned Storage Devices to provide devices compliant to specific models
 - Consumers of Zoned Storage Devices to develop to a specific model for optimal use of these devices
- What is the industry segment relevance.
 - The work of the ZS TWG is relevant to both producers and consumers of Zoned Storage devices
- Why you should join and participate in this TWG
 - Help to define and understand how Zoned Storage devices can be utilized to benefit the storage industry
- Who to contact for additional information
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