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AN ENTERTAINMENT STORAGE ALLIANCE™ EVENT



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TITLE

SMR, the ZBC/ZAC standards and the new libzbc Open Source Project

ABSTRACT

Shingled Magnetic Recording (SMR) drives have started to hit the market and the industry is still in the process of determining how to best make use of the technology. The Zoned Block Commands (ZBC) and Zoned ATA Commands (ZAC) standards are in advanced stages of development within T10 and T13 respectively.

In this session, we will explore how to manage SMR drives implementing the ZBC and ZAC standards using the newly introduced libzbc open source project.

BIOGRAPHY

Jorge Campello holds a Electrical Engineer Degree and a MSc in Electrical Engineering from the Universidade Federal de Pernambuco and a PhD in Electrical Engineering from Stanford University. He started his career in the storage industry at IBM's Almaden Research Center. He moved on to Hitachi Global Storage Technologies and finally to HGST, a Western Digital Company where he is the Director of Systems, Architecture and Solutions. His interests and expertise revolve around Information Theory, Digital Communications, Security, Databases, Filesystems, Linux, Open Source, Open Compute, Distributed Storage Solutions, Data Center Optimization, Solid State Drives, Emerging NVMS, Solid-State and Hybrid Arrays, Networking, Computer and CPU Architecture.