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Supporting non-power of 2 zoned devices

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The zone storage implementation in Linux, introduced in v4.10, first targeted SMR drives with a power of 2 (po2) zone size alignment requirement. The newer NAND-based zoned storage devices do not naturally align to po2, so the po2 requirement introduces a gap in each zone between its actual capacity and size. This talk explores the various efforts[1] that have been going on to allow non-power of 2(npo2) zoned devices so that LBA gaps in each zone can be avoided. The main goal of this talk is to raise community awareness and get feedback from current/future adopters of zoned storage devices.

[1]https://lore.kernel.org/linux-block/20220615101920.329421-1-p.raghav@samsung.com/

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Yes

Primary authors: Mr GONZALEZ, Javier (Samsung); CHAMBERLAIN, Luis (Samsung); RAGHAV, Pankaj

Presenter: RAGHAV, Pankaj

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