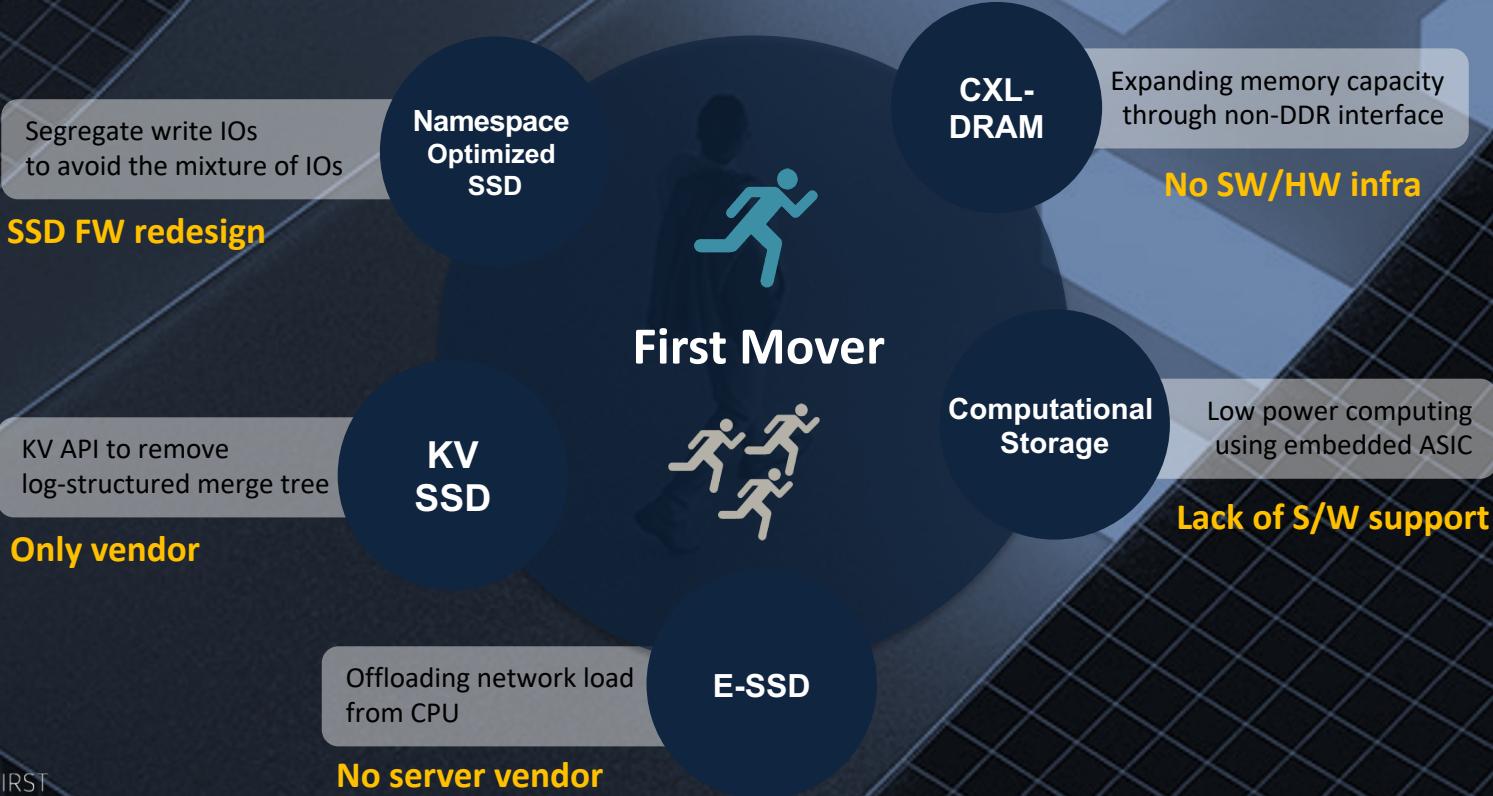




Samsung's Open Innovation Strategy with OCP

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Potential Incubation Challenges



Challenges

Namespace
Optimized
SSD

CXL-
DRAM

KV
SSD

Computational
Storage

ESSD

Slow Technological Innovation

Immature Ecosystem

Single Vendor Dilemma

Crossing the Chasm

Open Innovation Strategy



Standards

Open Source

xNVMe	SPDK
NVMe Driver	Tools
Block Layer	I/O Path
!FS	UFS Driver

Linux

Standards

NVMe

UFS

File System

CEPH

F2FS

OCP
FUTURE
TECHNOLOGIES
INITIATIVE



Building
Community

- Evangelization
- Value Constellation
- Best of breed
- Bigger pie

Building Community w/ OCP FTI

SAMSUNG



Collaboration

TCO Model

Innovation Platform

Specification

Use Cases

CXL DRAM

SW Defined Memory

Telemetry

Cloud Service Model

Object Storage
AI SSD

AI HW-SW Design

Call to Action



Samsung Memory Solutions Lab

Transforming Memory Performance