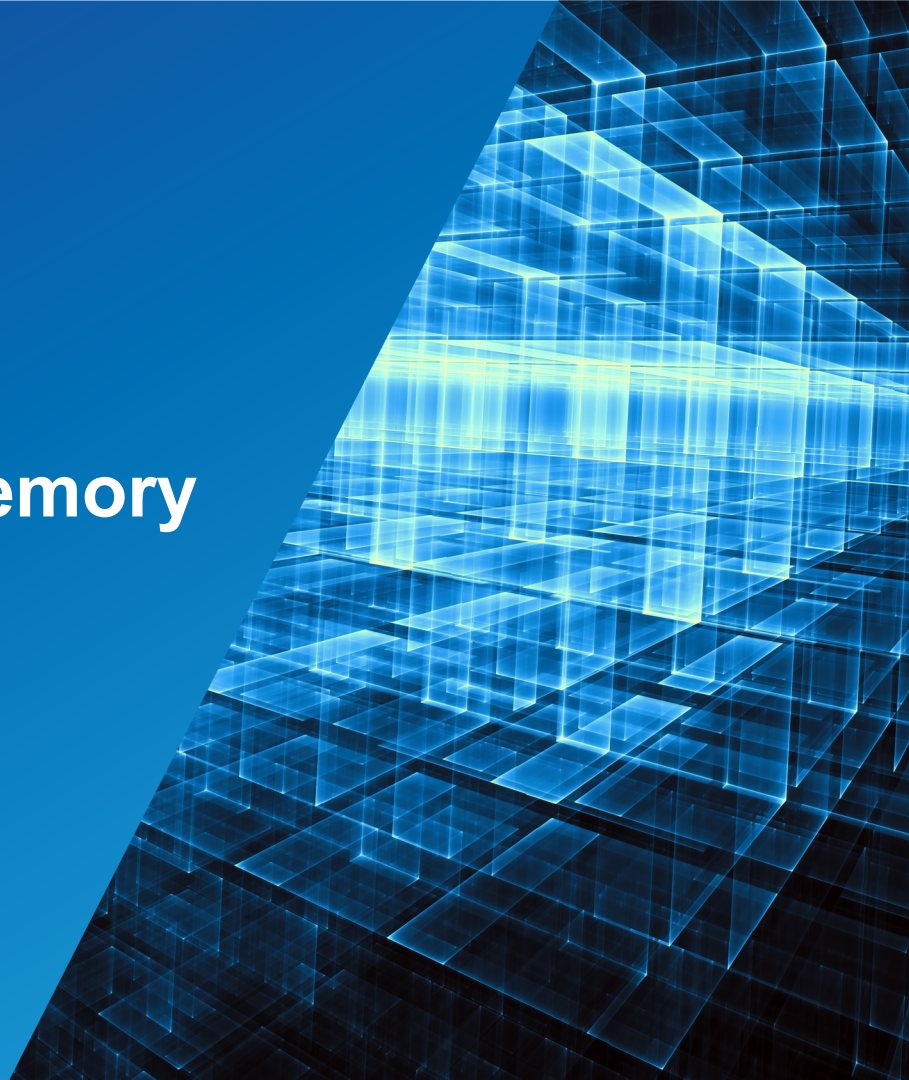
MemVerge

Opening the door to Big Memory

Andrew Degnan, VP of Sales MemVerge
June, 2020



Introducing MemVerge

Founded by:

Shuki Bruck

XtremIO co-founder and Gordon Moore Caltech professor

Charles Fan

VMware storage BU leader and creator of VSAN

Yue Li

Top researcher on non-volatile memory

World Class Investors

Lightspeed

intel capital

cisco Capital

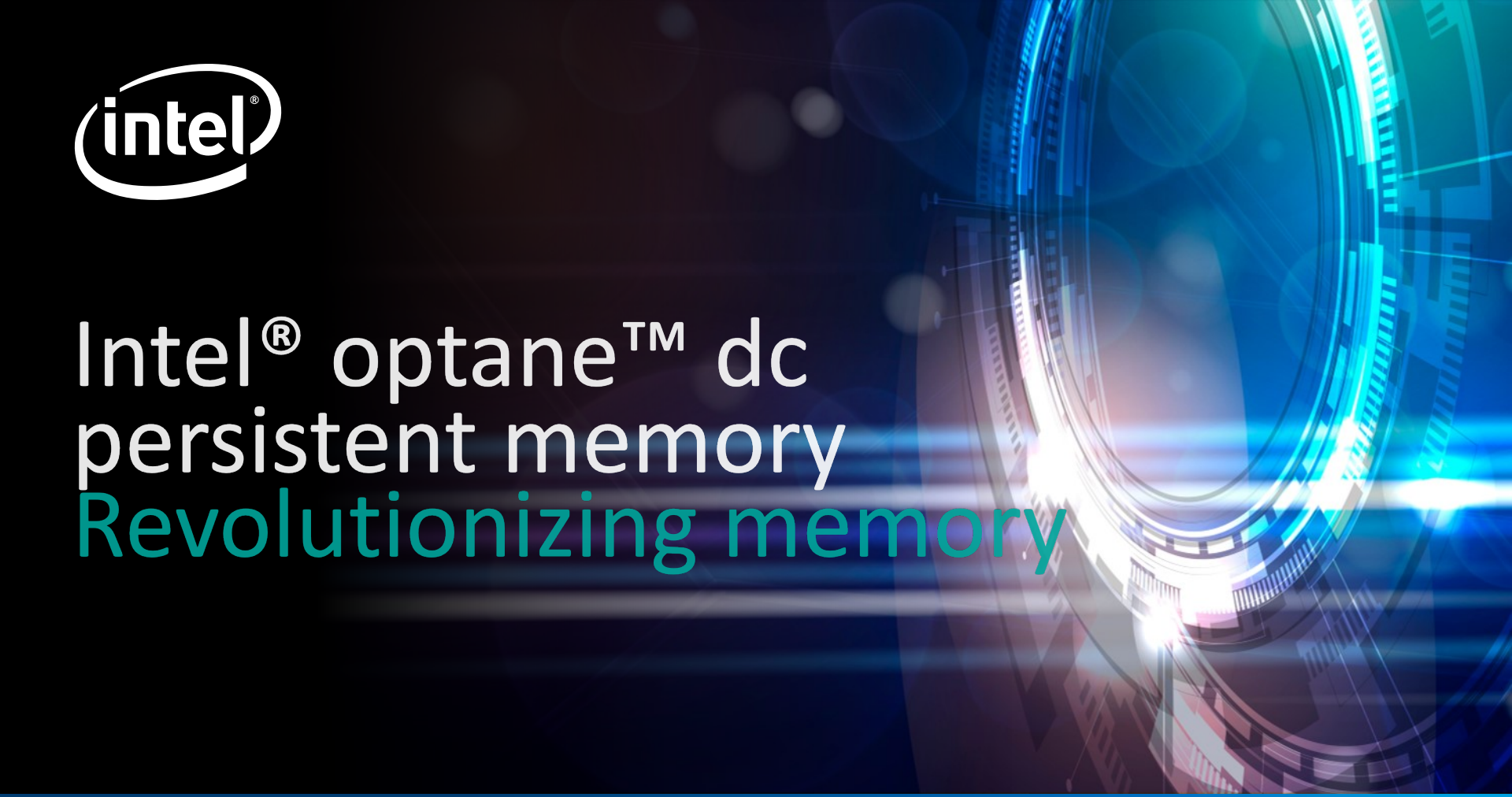
NetApp

SK hynix

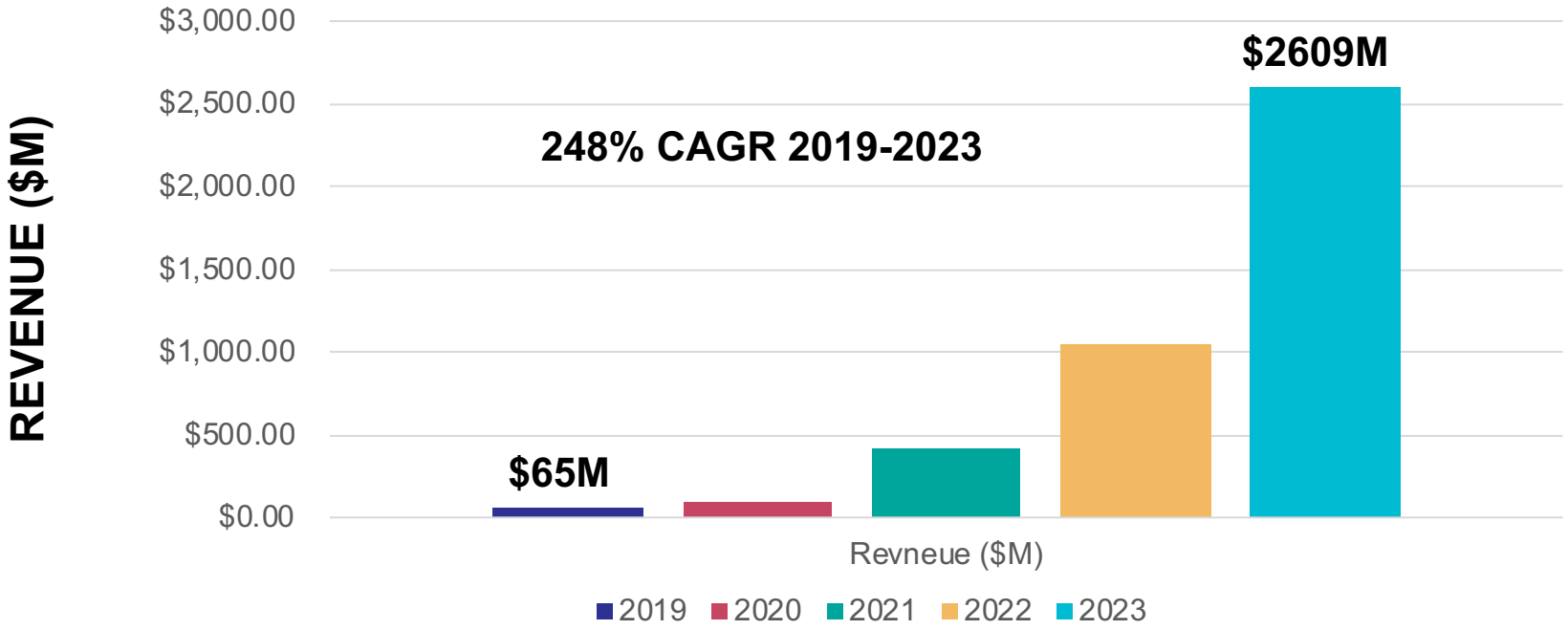
Our BIG MEMORY vision

All applications live in memory

MemVerge

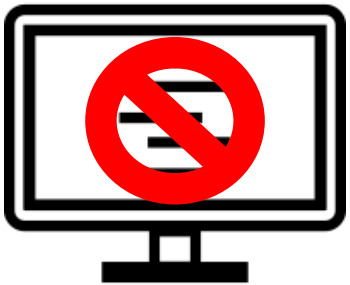

intel
Intel® optane™ dc
persistent memory
Revolutionizing memory

PM Revenue Forecast, 2019 - 2023

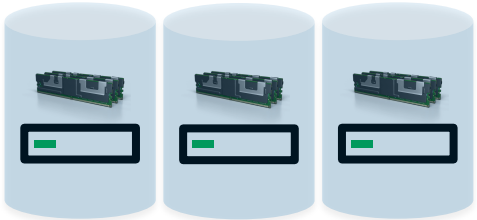


Road to Big Memory…

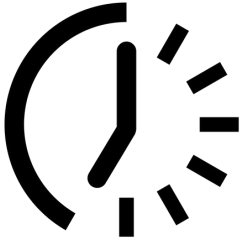
Not plug-and-play
App rewrite needed



Can’t share memory
Siloed in servers



No Data Services
Crash recovery is slow



Our mission

Open the door to Big Memory

A world of abundance,
persistence and high availability

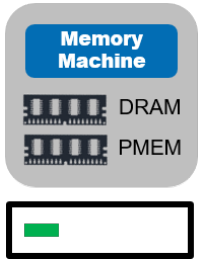
MemVerge

MemVerge Memory Machine™

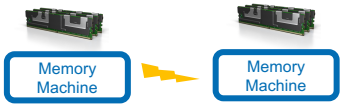
Software
Subscription

Plug Compatible
No App re-write

Virtualizes
DRAM & PMEM

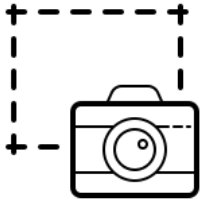


Low Latency
PMEM over RDMA

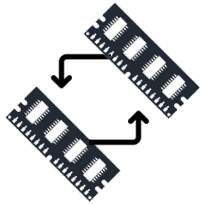


Worlds 1st Memory Data Services

ZeroIO™ Snapshot



Replication



Tiering

The Opportunity is Immense





In-Memory Database

Advanced analytics

cloud workload

Virtualized and Hybrid

HCI Compute

Yet to be Discovered

MemVerge

Speed time-to-Value and insight for Data-intensive workloads

Top 5 Global FSI Customer – IMDB Clone & Restore

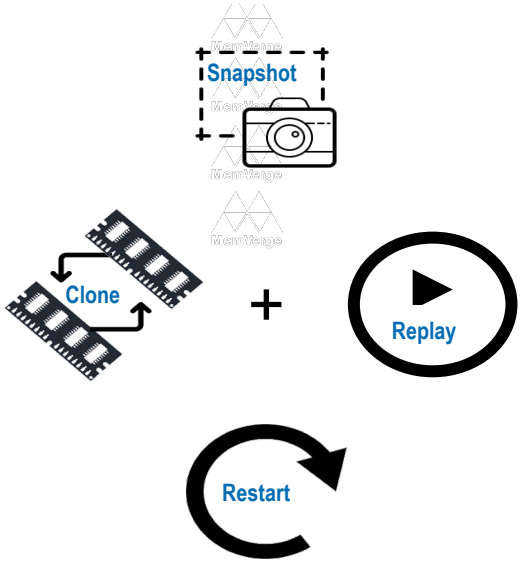
KDB SHAKTI redis

Problem

- Memory resources are limited
- Need to run analytics, reporting or dev/test but concerned about taking performance hit on Primary instance
- Application takes a long time to restart after crash or planned shutdown

Solution

- MemVerge Memory Machine creates large pools of memory
- In-Memory Snapshot & Cloning easily creates a read replica of the primary instance using snapshot plus log replay
- Fast restart from the database crash using in memory snapshot plus log replay

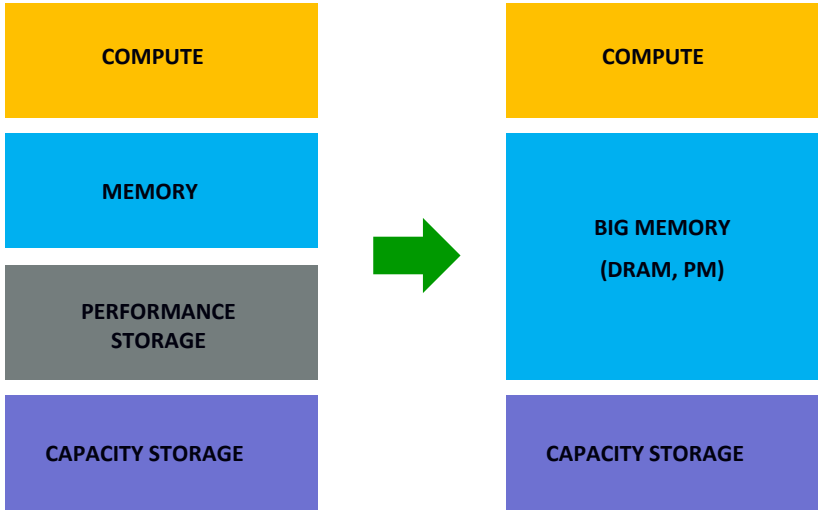


Every Minute
Fine Grain Snapshots

Up to 240X
Snapshot Recovery

Instant
Thin Clone

MemVerge Vision for Big Memory



- By 2025 Persistent Memory will be mainstream
- In Big Memory applications will improve performance and efficiency for GREEN data centers
- Software-based memory virtualization layer on industry standard hardware will allow for no application modification
- The memory tier will now include enterprise-class data services to handle tier 1 availability
- We want to be the technology enabler for mission-critical real-time computing

Thank You!

STAC - Click the response card

Try it

Contact andrew.degnan@memverge.com to sign-up for a PoC

Download this presentation at:

https://www.memverge.com/opening-the-door-to-big-memory/

View our webinar on the MemVerge YouTube Channel

https://www.youtube.com/channel/UCLT4fehLcQiW4bfQgrHIlpg/featured

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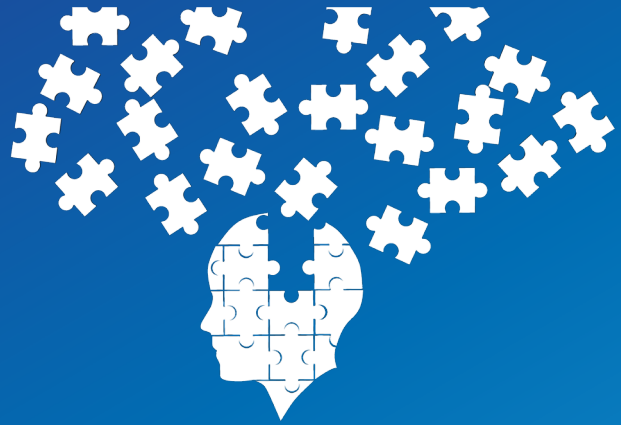

What happens in memory stays in memory…