

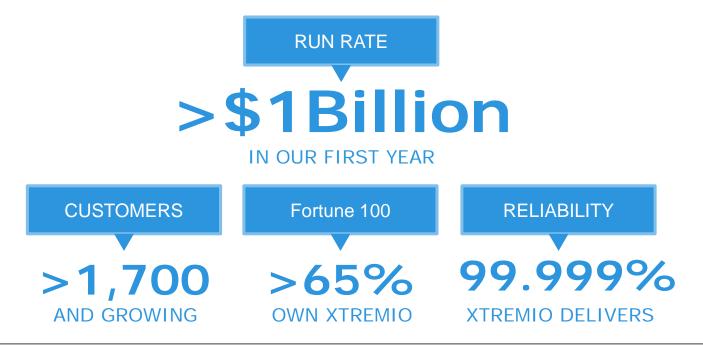
ACCELERATING YOUR BUSINESS

TAMIR SEGAL SR. MANAGER, PRODUCT MARKETING

AUGUST, 2015



# XTREMIO IS #1 WITH 31% MARKET SHARE



"Leaders Quadrant in Solid State Analysis" - Gartner 2014

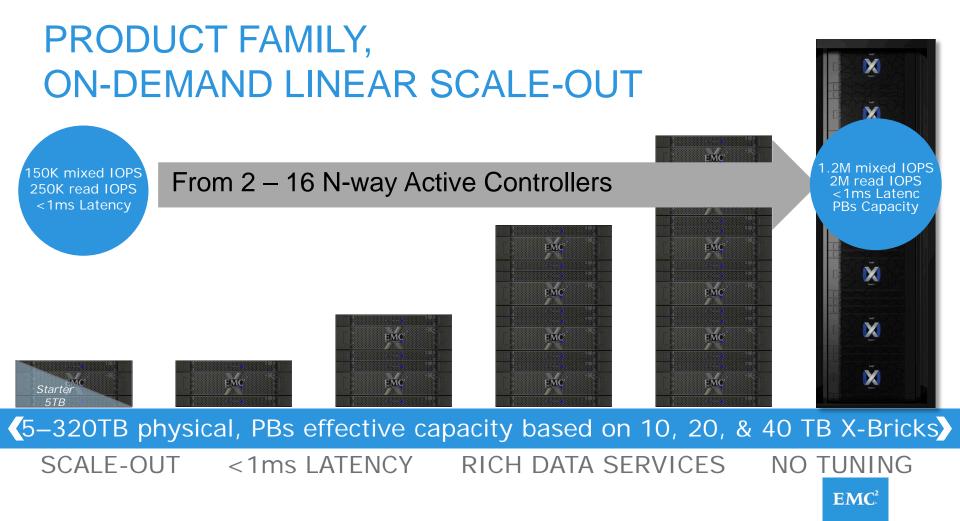
- "#1 Market Share 2014" IDC
- "Leader in Strategic AFA Technology" 451 Research



# **XTREMIO X-BRICK**

Cluster Building Block



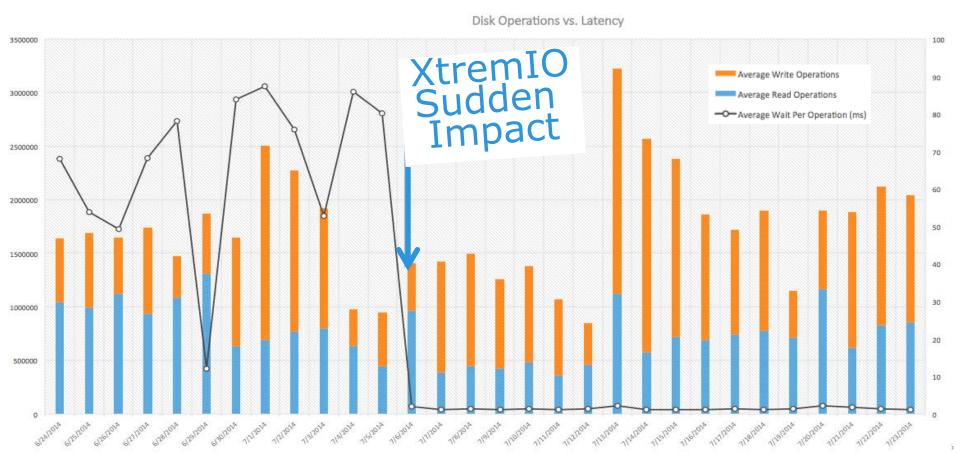


# XTREMIO DATA SERVICES ALWAYS-ON, INLINE, ZERO PENALTY, FREE



## CONNECTIONS EDUCATION- SQL SERVER CONNECTIONS



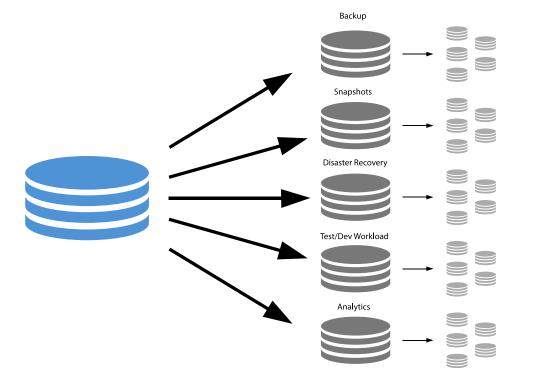


# COPY DATA IS OUT OF CONTROL

Every copy of primary data makes multiple copies

IDC: >60% data from copies

A \$44B global expense!





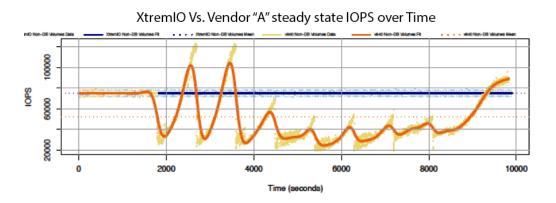
# COPY DATA MANAGEMENT APPROACHES

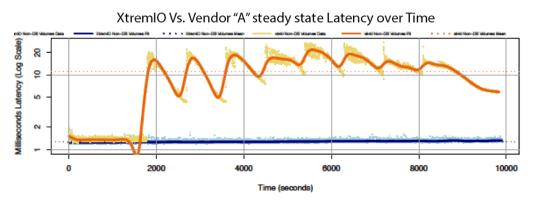
WHY DON'T THEY WORK?

- Method 1 "Space-Efficient" Snapshots
  - Impact production performance, non-production scale, metadata bloat impacts snapshot performance
- Method 2 Full "Brute-force" copies
  - Too Costly, slow development cycles, slow copy/refresh, stale data
- Method 3 Dedicated CDM platform
  - Limited Scalability , non-production scale/performance, Incremental costs



# **XTREMIO VS. TRADITIONAL SNAPSHOTS**





With XtremIO you can't even tell when the snapshots took place. It delivers the same consistent IOPs and low latency

Vendor A's array takes a noticeable performance hit every time the snapshot is created. This would never be a viable option for CDM use cases.



# **COPY DATA MANAGEMENT**

NEW OPTION W/ XTREMIO

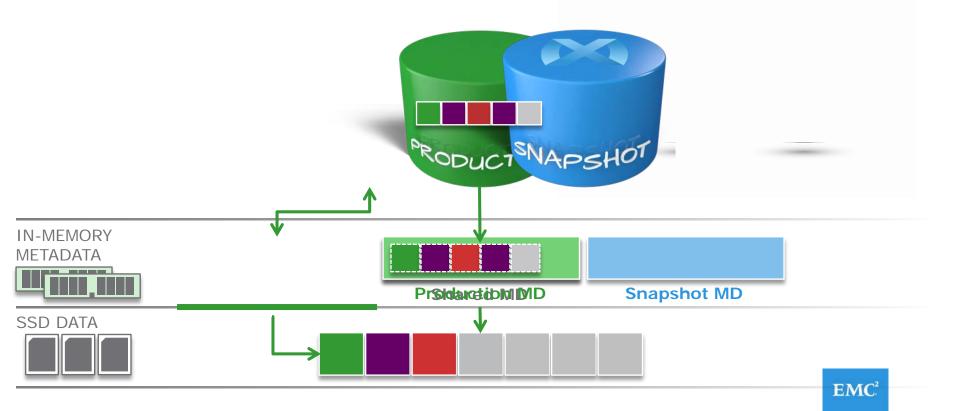
In-Memory

# Integrated Copy Data Management



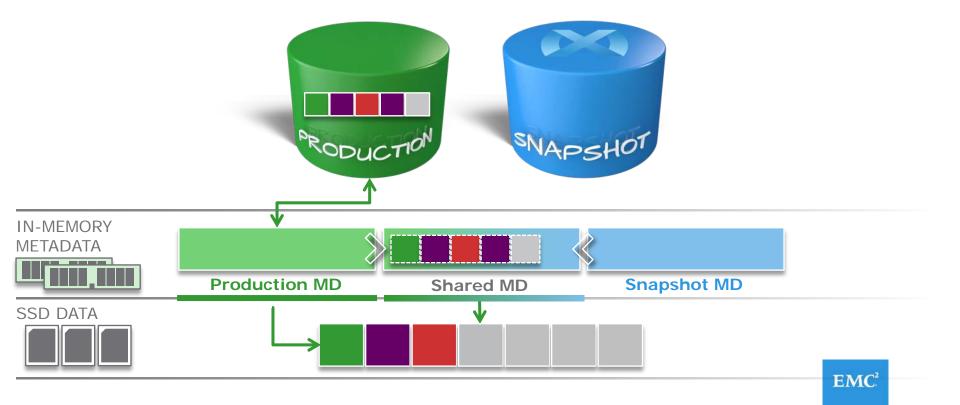
## AESING BEEDIONS CIRVE ADIREKOSINSTANTLY

#### IT ONLY INVOLVES ALLOCATION TO A SMALL CONTAINER



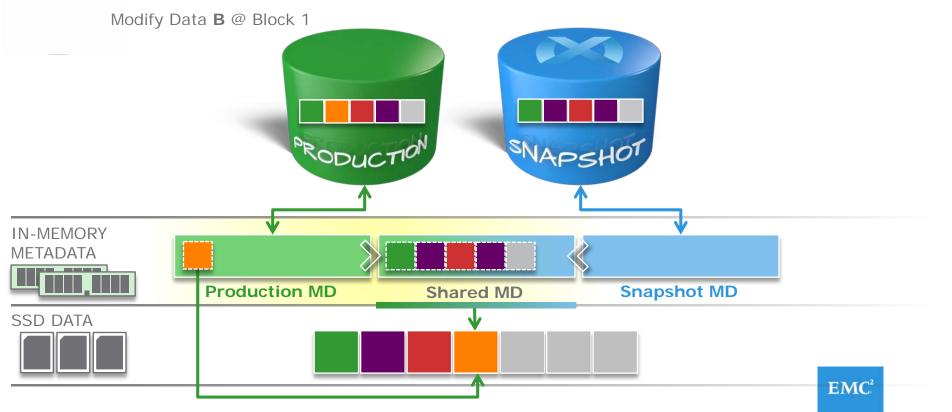
# METADATA MANAGEMENT IS EFFICIENT

## ENABLING THOUSANDS OF SPACE EFFICIENT COPIES



# METADATA MANAGEMENT IS EFFICIENT

## THE METADATA IS SHARED AND IN-MEMORY SPACE EFFICIENT



# **SNAPSHOT PERFORMANCE IS EQUAL**

## IT'S EXACTLY LIKE WRITING DATA TO THE PRODUCTION VOLUME

Modify Data D @ Block 4 PRODUCTIO SNAPSH01 **IN-MEMORY METADATA Production MD Snapshot MD** Shared MD SSD DATA **EMC**<sup>2</sup>

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# **XTREMIO COPY SERVICES**



# PERFORMANCE

(read, write and latency as volume)

# SPACE EFFICIENT

(no metadata bloat, no space reservation, no moving blocks)

# **IN-MEMORY**

(instant creation, immediate deletion, flexible topography)

# AUTOMATED WORKFLOWS

app-integration with refresh, scheduling, and self-service

# **BAILLIE GIFFORD: ANALYTICS**

## ACCELERATE ANALYTIC PROCESS

GOAL

Accelerate business processing time. System must be ready for a new trading day!



**Investment Firm** 





# **BAILLIE GIFFORD'S ANALYTIC**



# 50% DAILY BUSINESS PROCESSING TIME

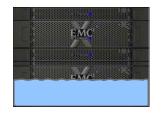


# **BAILLIE GIFFORD'S CONSOLIDATION**

# But, WAIT...

# There was still plenty headroom for:





PERFORMANCE







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# **BAILLIE GIFFORD : DEV/TEST**

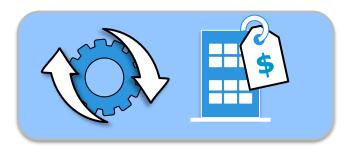
## CREATE COPIES ON DEMAND WITHOUT LIMITATIONS

GOAL

Accelerate the development cycle and time to business value



**Investment Firm** 





# **BAILLIE GIFFORD: DEV/TEST**

CREATE COPIES ON DEMAND WITHOUT LIMITATIONS

BEFORE SNAPSHOT

Due to performance concerns each copy was a **full clone of production data** 



**Investment Firm** 

# **30** DAYS OLD







# **BAILLIE GIFFORD: DEV/TEST**

CREATE SAVINGS AND AGILITY FOR THE CUSTOMER

#### AFTER SNAPSHOT

XtremIO saves tremendous amount of time, capacity and cost to the customer





**Investment Firm** 

30 DAYS OLD	32x DATA SIZE	DAYS
0	<b>1</b> +∆	30'
IMMEDIATE COPIES FROM PRODUCTION	ONLY UNIQUE WRITES CONSUME CAPACITY	ENTIRE TEST AND DEVELOPMENT IN MINUTES



# **BAILLIE GIFFORD: DEV/TEST**

## CREATE SAVINGS AND AGILITY FOR THE CUSTOMER

