SELF-DRIVING STORAGE

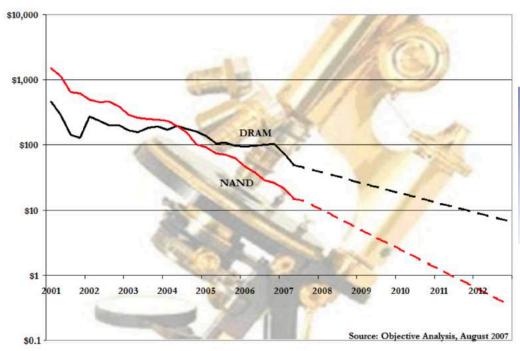
全球第一座自動駕駛全快閃儲存設備

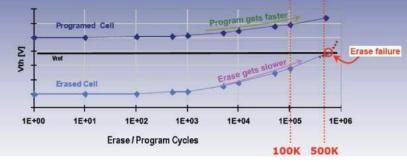
Andrew Ho Pure Storage TAIWAN





PRICE, ENDURANCE





Source:

Left: Objective Analysis, August 2007

Right: SLC flash memory cell endurance characteristics, Copyright Samsung

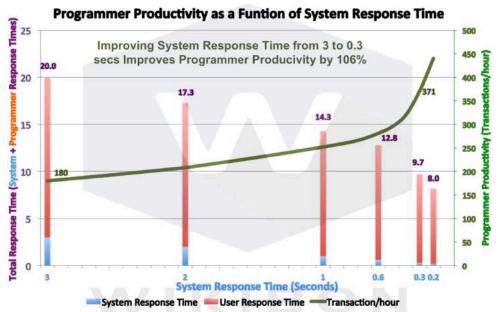


EVERGREEN STORAGE





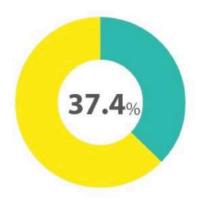
LATENCY, IOPS



虚擬化儲存主要瓶頸是I/O

37.4%

企業最怕VM的I/O效能不足

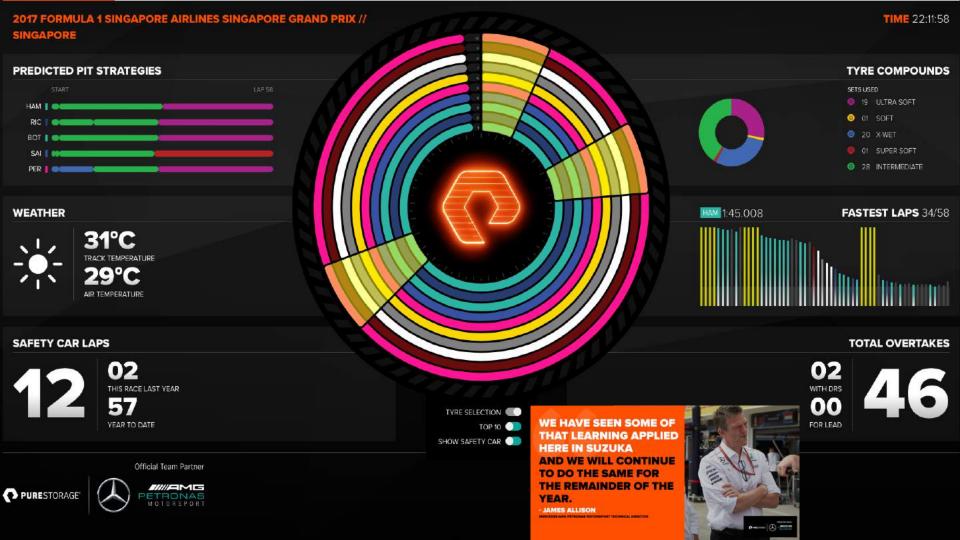


Source: Data interpreted by Wikibon from a seminal paper by Walter J. Doherty & Ahrvind J. Thadani, 1982, IBM Thomas J. Watson Research Center, updated to include other studies 1997, downloaded http://www.vm.ibm.com/devpages/jelliott/evrrt.html April 2015

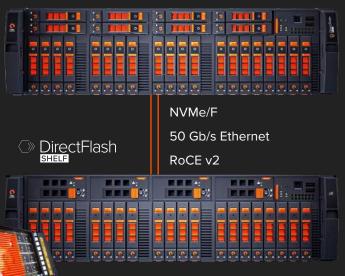
Source:











NEW INTRODUCING



NATIVE NVMe/F EXPANSION SHELF

28 x DirectFlash Modules

Up to 512TBs Raw (1.5 PBs usable)

With 18.3 DirectFlash Modules



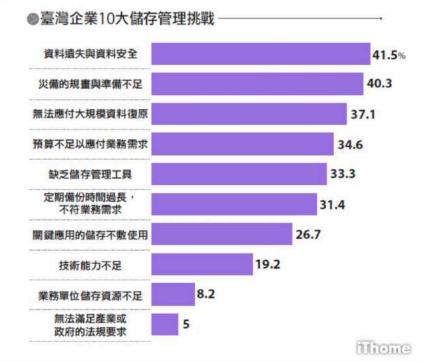
MANAGEMENT, RELIABILITY, SUPPORT

全快閃儲存陣列明年起飛

3年後近5成企業要用

50%





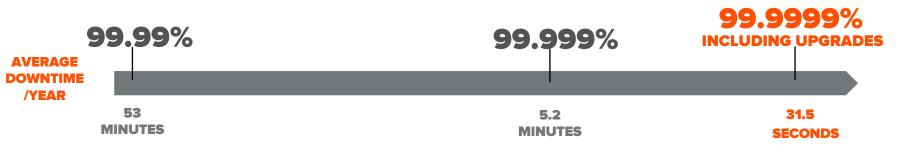




GLOBAL 10 BANK
5 PB, 50+ ARRAYS
ONE ADMIN



RELIABILITY





 ${\sf FlashArray//M\ global\ availability\ average\ over\ first\ year\ of\ production\ /\!/M\ shipments}$



EFFORTLESS IS







SIMPLE WEB-BASED MANAGEMENT

CLOUD-BASED ALERTING, REPORTING, SUPPORT & ANALYTICS



PUBLIC CLOUD, HYBRID CLOUD, BACKUP

雲端儲存漸成企業儲存 應用主角

67%

企業3年後會用





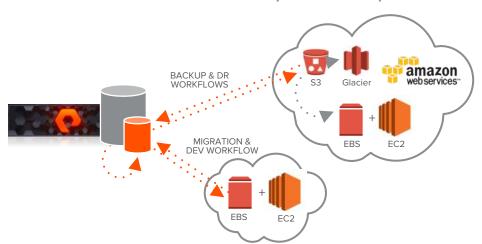






Purity FA Cloud Snap

EFFORTLESS BACKUP, RESTORE, MIGRATION OR DR TO PUBLIC CLOUD



Natively Cloud Connected

- · Backup directly to public cloud
- Restore directly from public cloud
- Hydrate CloudSnaps into native format: EBS, S3, or Glacier
- Disaster Recovery in public cloud
- · Migrate workloads to/from public cloud
- Fully leverage all cloud PaaS services!

NO ADDITIONAL SOFTWARE OR GATEWAY REQUIRED!



JOURNEY TO YOUR ALL-FLASH CLOUD





ACCELERATE YOUR INTERNAL CLOUD

100% VIRTUAL | 100% FLASH 100% AUTOMATED

BUILD YOUR CLOUD-NATIVE APP & DATA PLATFORM

DEVOPS BUILD
DEPLOY
CONTAINER-CENTRIC
CLOUD-SCALE DATA & ANALYTICS

ACCELERATE YOUR KEY BUSINESS APPLICATIONS



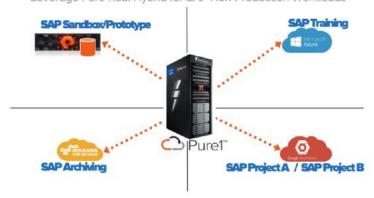


ALL-FLASH



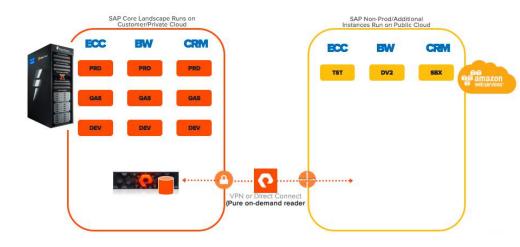
REAL HYBRID CLOUD FOR SAP

Leverage Pure Real Hybrid for SAP Non-Production Workloads



- Reduced temporary SAP instances provisioning time by leveraging public cloud.
- Leverage Pure1 for monitoring your data.
- Utilize cloud for secondary storage scenarios e.g archiving.

Pure's Hybrid SAP Deployment - On Premises/Private with Public Cloud





COMPLEXITIES OF AI IN PRODUCTION

INGEST

From sensors, machines, & user generated













COPY & **TRANSFORM**

CLEAN & TRANSFORM

Label, anomaly detection, ETL, prep, stage



CPU Servers





COPY &

TRANSFORM

GPU Server

EXPLORE

Quickly iterate to

converge on models





COPY & **TRANSFORM**

TRAIN

Run for hours to days in production cluster



GPU Production Cluster







The Alconics Awards 2017

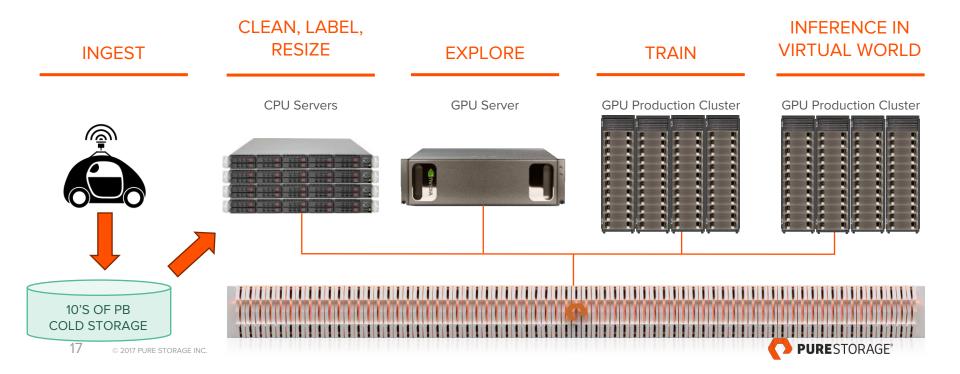
Best Innovation in Al Hardware







REAL WORLD PIPELINE IN AN AUTONOMOUS CAR COMPANY





STFP 1:

SIMPLIFY AND AUTOMATE FROM THE START

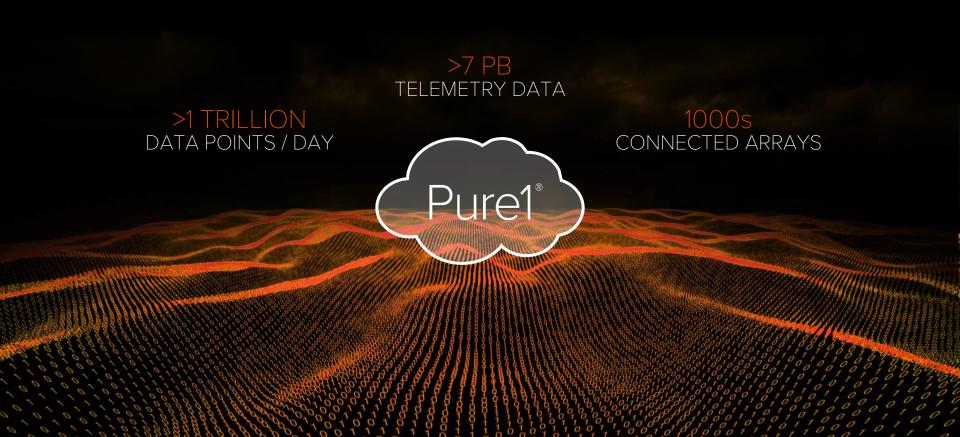




ALWAYS-ON QoS



BUILD A REAL-TIME GLOBAL SENSOR NETWORK



REAL-TIME ANALYTICS TO PREVENT ISSUES

>500 SEV-1s AVOIDED TO DATE!





Pure1°

$M \equiv T A$

GLOBAL PREDICTIVE INTELLIGENCE



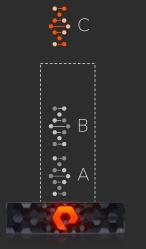


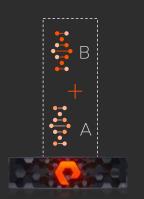
WILL A NEW WORKLOAD FIT?

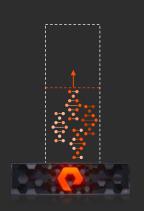
WILL A & B
INTERACT WELL?

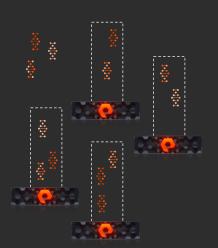
HOW WILL PERFORMANCE & CAPACITY GROW?

HOW CAN I OPTIMIZE PLACEMENT?



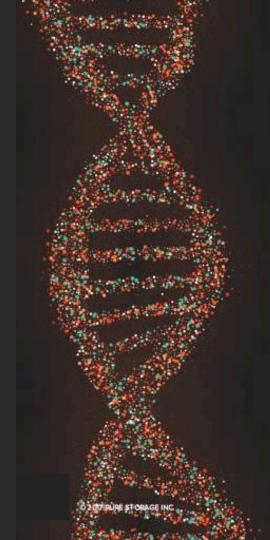




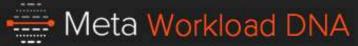


PULSE LEARNS FROM EVERYONE'S WORKLOADS TO MAKE BETTER PREDICTIONS









Workload DNA

>1,000 MEASURES

INLINE DEDUPE RATE

INLINE COMPRESSION RATE

SPACE USAGE

TOTAL DATA REDUCTION

AND 100s MORE

WRITE B/W

WRITE IOPS

WRITE I/O SIZE

READ B/W

READ I/O SIZE

