



PURE//ACCELERATE 2018

INVESTOR SESSION

SAFE HARBOR

This presentation contains “forward-looking” statements that are based on our beliefs and assumptions and on information currently available to us. Such forward-looking statements include statements concerning our possible or expected future financial or operating results, business strategies, product development plans, technical and business advantages, competitive position, industry trends and potential growth opportunities. Forward-looking statements include all statements that are not historical facts and can be identified by terms such as “anticipate,” “believe,” “could,” “seek,” “estimate,” “intend,” “may,” “plan,” “potential,” “predict,” “project,” “should,” “will,” “would” or similar expressions and the negatives of those terms.

Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to differ materially from any future results, performance or achievements expressed or implied by the forward-looking statements, including risks, uncertainties and other factors relating to our financial guidance, results and growth, our technological leadership and market opportunity, introduction of new functionality and products, product acceptance and our products and business model, customer spending priorities, our competitive position and industry dynamics, and relationships with third parties, including partners and customers. Additional risks, uncertainties and other factors are included under the captions “Risk Factors” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” in our reports and registration statement previously filed with the SEC, which is available on our website at investor.purestorage.com and on the SEC’s website at www.sec.gov.

Forward-looking statements represent our beliefs and assumptions only as of the date of this presentation. Except as required by law, we assume no obligation to update these forward-looking statements publicly, or to update the reasons actual results could differ materially from those anticipated in the forward-looking statements, even if new information becomes available in the future.

This presentation includes certain non-GAAP financial measures as defined by SEC rules. As required by Regulation G, we have provided reconciliations of those measures to the most directly comparable GAAP measures, which are available in the Appendix. We have not reconciled guidance for non-GAAP gross margin and non-GAAP operating margin to their most directly comparable GAAP measures because items such as stock-based compensation expense and payroll tax expense related to stock-based activities that impact these measures are not within our control and/or cannot be reasonably predicted. Accordingly, a reconciliation of the non-GAAP financial measure guidance to the corresponding GAAP measures is not available without unreasonable effort.



A DATA-CENTRIC FUTURE

CHARLIE GIANCARLO
CEO

Pure positioned for success



**BIG OPPORTUNITY:
DATA-CENTRIC FUTURE**



**DIFFERENTIATION
AT OUR CORE**



**EXECUTING ON
LONG-TERM GOALS**

Data is top of mind for the C-suite and IT departments

C-SUITE DESIRES



86%

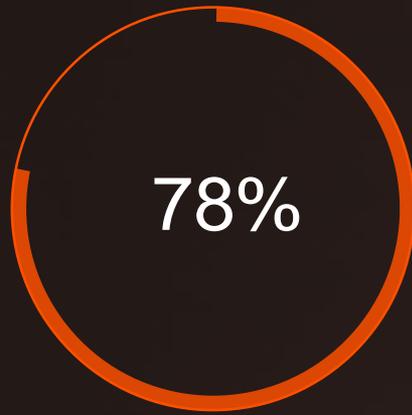
“Data is foundational to business decisions”



84%

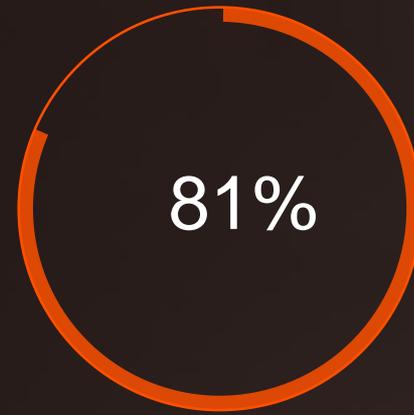
“The speed of data interpretation is key”

IT DEPT ANXIETIES



78%

“The volume of data we have is a challenge”



81%

“Concerned with analyzing more data and greater speeds”

One Half of a Percent of Data is Analyzed Today



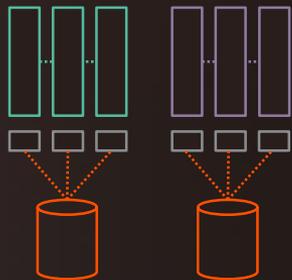
Being able to mine your data is becoming a business imperative

NO COLD DATA

Data centers have evolved to accommodate compute, network & storage

1990s

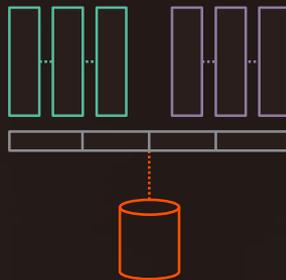
MONOLITHIC,
SCALE-UP



**LITTLE, RELIABLE
STORAGE ISLANDS**

2000s

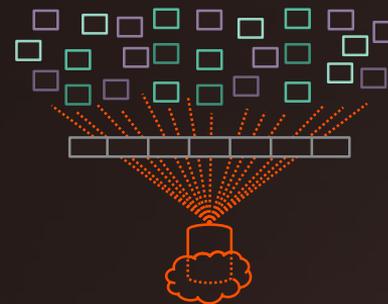
VIRTUALIZED



**PBs of SHARED
FLASH STORAGE**

2010s

SCALE-OUT



**RELIABLE SHARED
DATA SERVICES**

Technology is propelling this change



**SCALE-OUT
APPS**



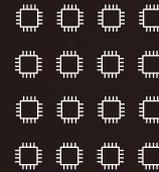
CONTAINERS



**DENSE,
DIVERSE
COMPUTE**



**FAST^(ER)
NETWORKS**

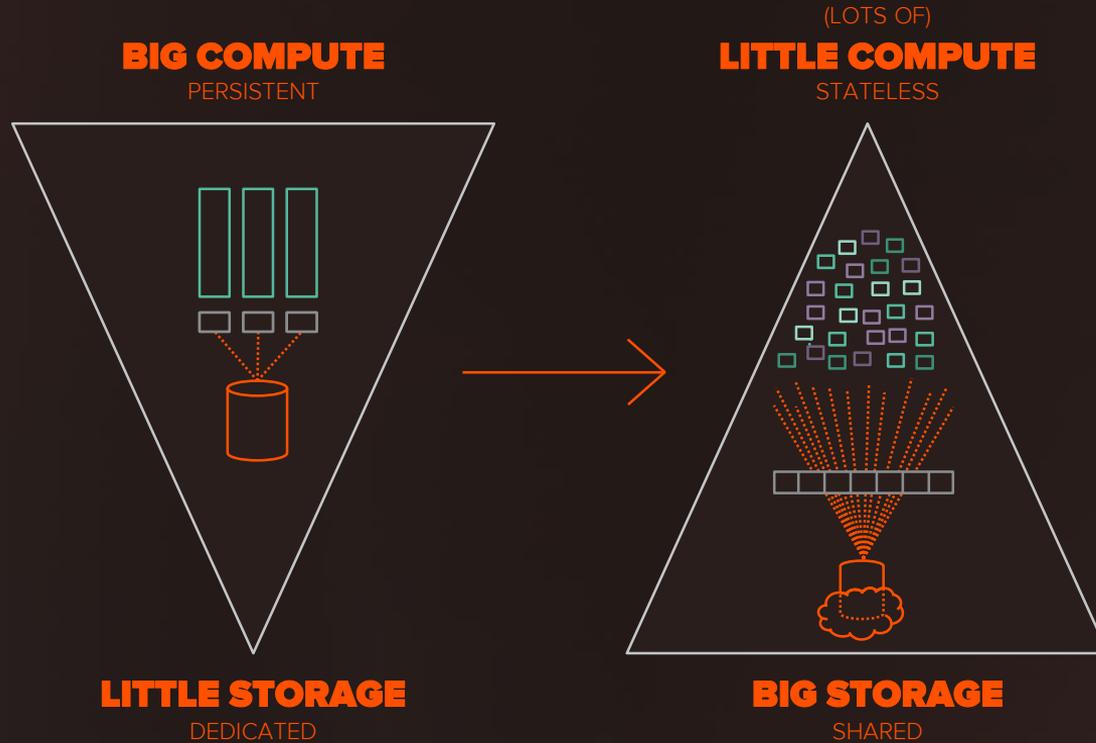


**BIG^(ER)
FAST^(ER)
STORAGE**



**FULL-STACK
ORCHESTRATION**

Relationship between application and data has inverted over time



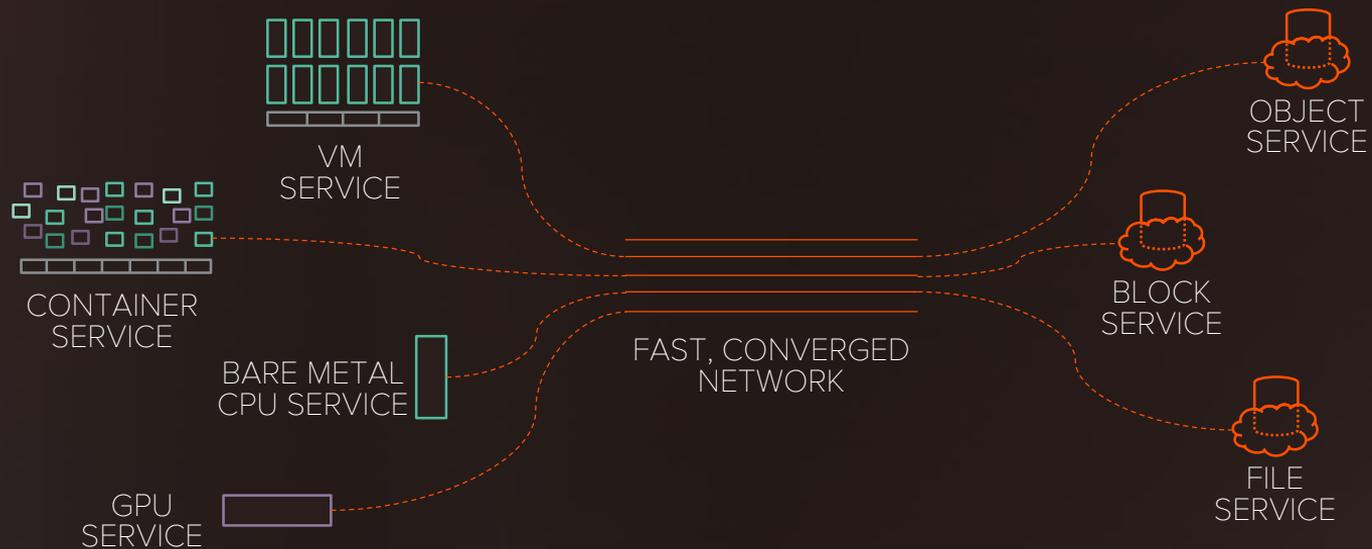
Pure innovation creating a significant opportunity in the modern data center



DATA-CENTRIC ARCHITECTURE **IS THE NEXT WAVE**

- 1 **Complements** containers, services, lamdas
KUBERNETES, VMWARE, OPENSIFT
- 2 **Standardizes** and scales Infrastructure
- 3 **Scale compute, data performance, & storage capacity independently**
- 4 **Share broadly: Snap instead of copy**
- 5 **Resilient & protected:**
storage does backup & DR, data services

Follow the lessons of the public cloud



Pure positioned for success



**BIG OPPORTUNITY:
DATA-CENTRIC FUTURE**

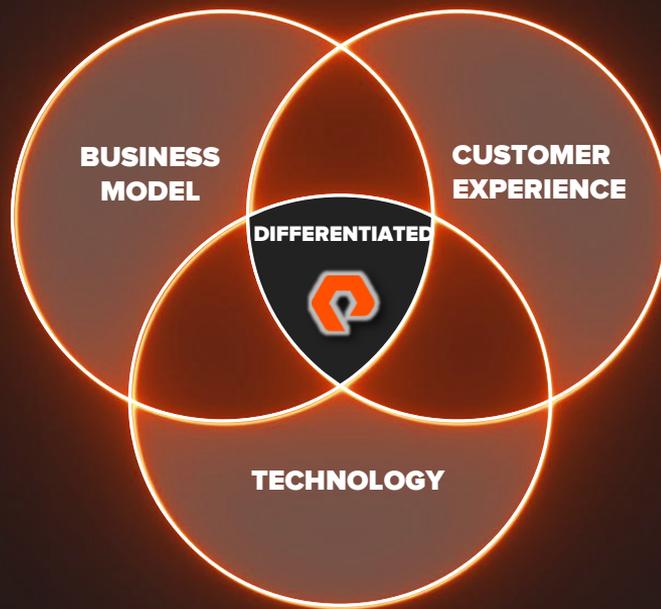


**DIFFERENTIATION
AT OUR CORE**

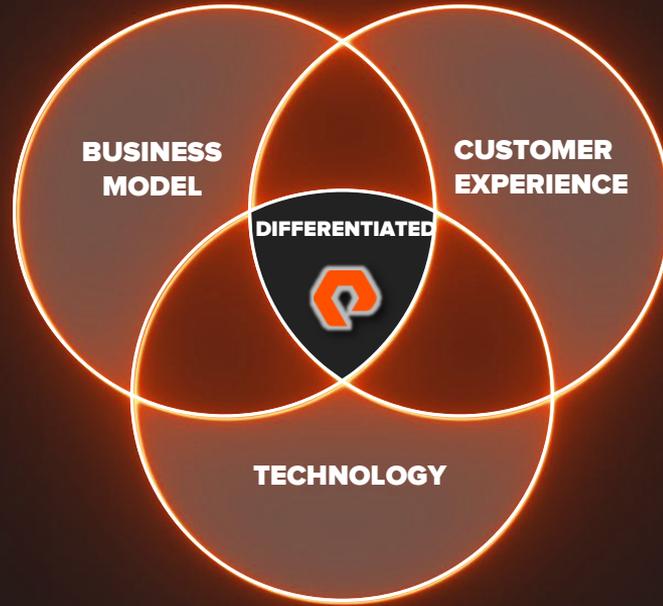


**EXECUTING ON
LONG-TERM GOALS**

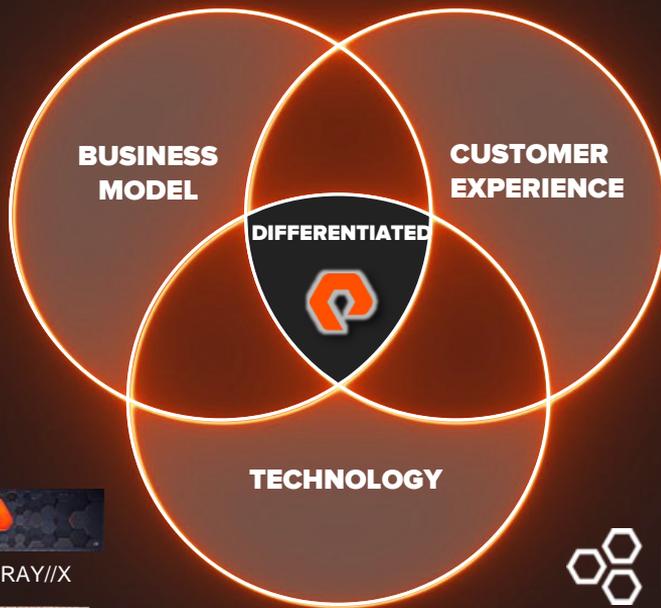
Differentiation at our core with a unique business model



Evergreen has pioneered a new ways to purchase storage



Innovation gap widening across our portfolio of products



FLASHARRAY//X



FLASHBLADE™



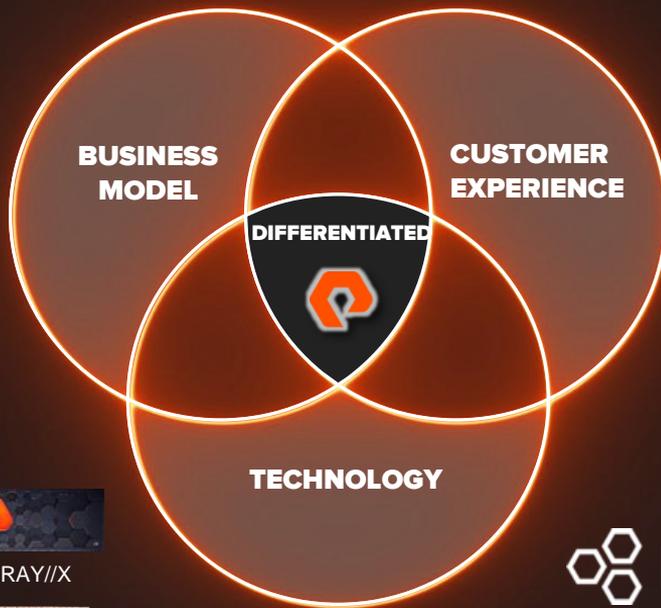
FLASHSTACK



AIRI



Customers continue to love us and we see it in our NPS and results



NPS
83.7
BEST IN B2B
Satmetrix
Certified



FLASHSTACK



AIRI



Pure positioned for success



**BIG OPPORTUNITY:
DATA-CENTRIC FUTURE**

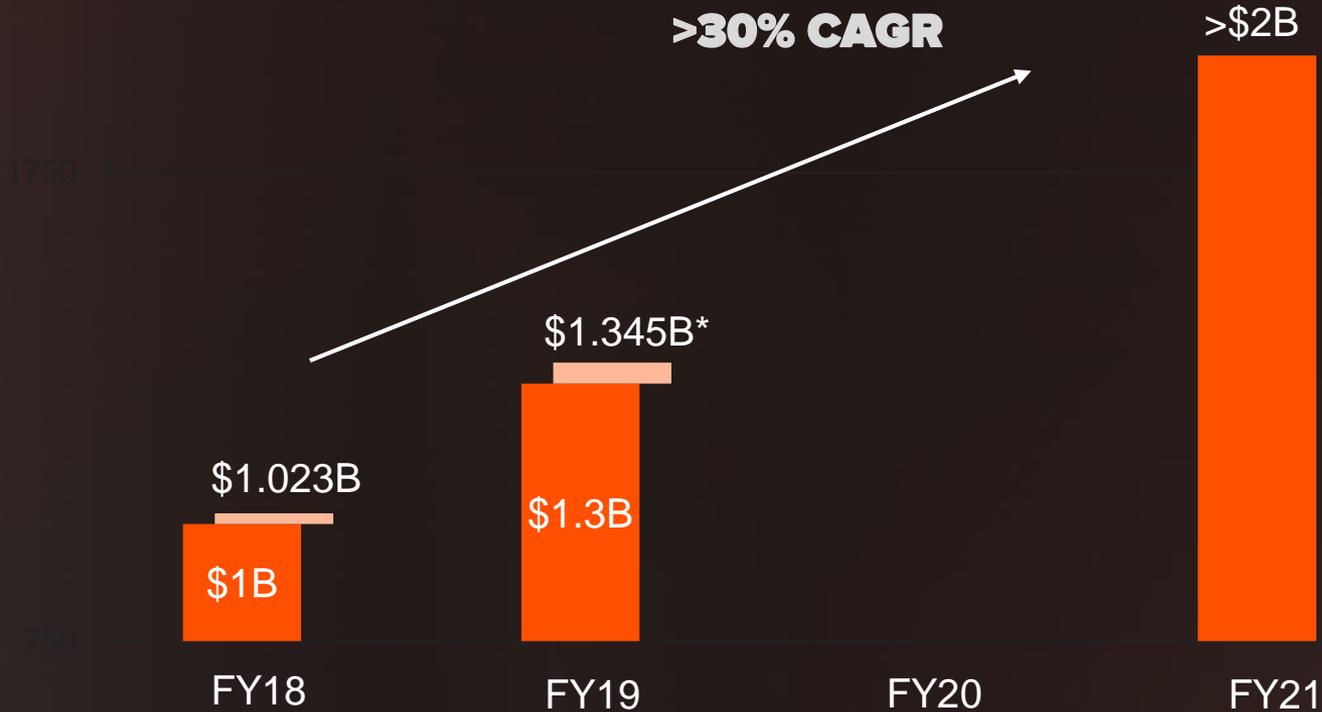


**DIFFERENTIATION
AT OUR CORE**



**EXECUTING ON
LONG-TERM GOALS**

On track for >30% CAGR towards >\$2B



* Based on mid-point of FY19 guidance

Excited about what we are going to share today

PRODUCT STRATEGY

MATT KIXMOELLER, VP Tech Strategy

ERA OF INTELLIGENCE

MATT BURR, GM FlashBlade

GTM UPDATE

DAVID HATFIELD, President

FINANCIAL OVERVIEW

TIM RIITTERS, Chief Financial Officer

CUSTOMER/PARTNER PANEL

KEVIN DELANE, VP Global Sales

EXECUTIVE Q&A



TOMORROW'S

DATA-CENTRIC ARCHITECTURE

PRODUCT STRATEGY

MATT KIXMOELLER
VP, TECH STRATEGY



THE
NEW WORLD
OF DATA



ZBs



CORE/EDGE



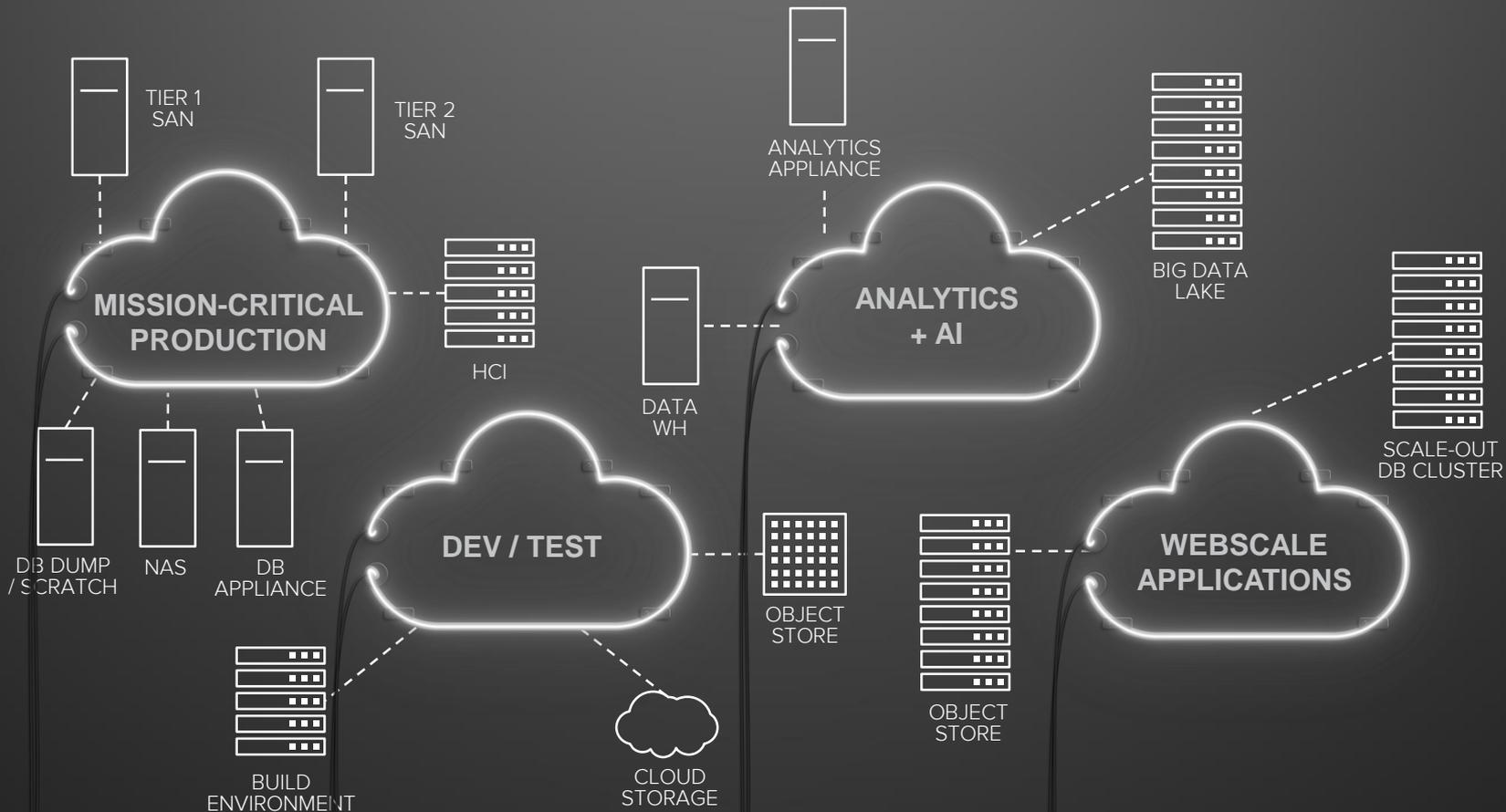
THINGS



REAL-TIME



INTELLIGENCE

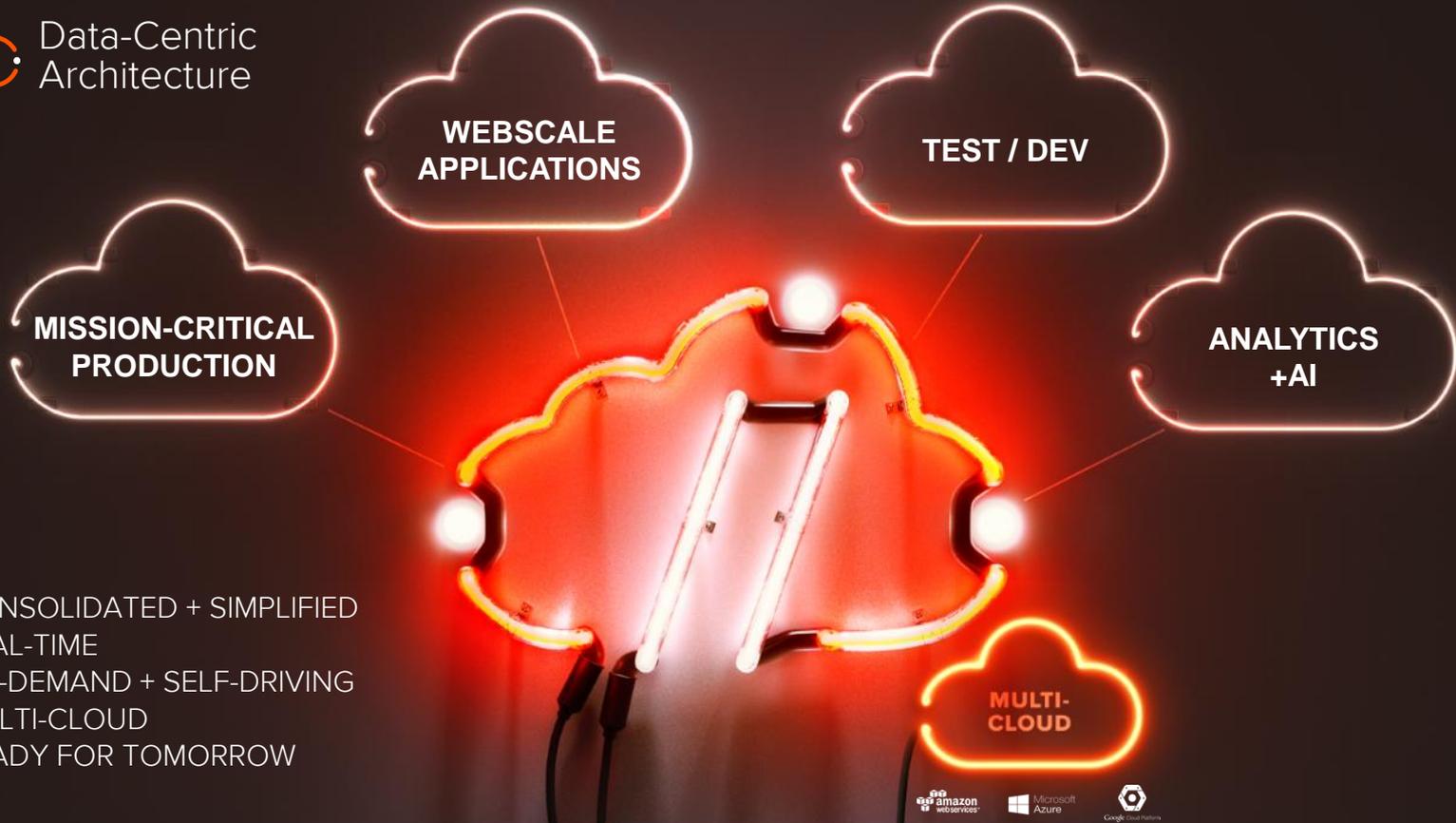


DATA STRATEGY?

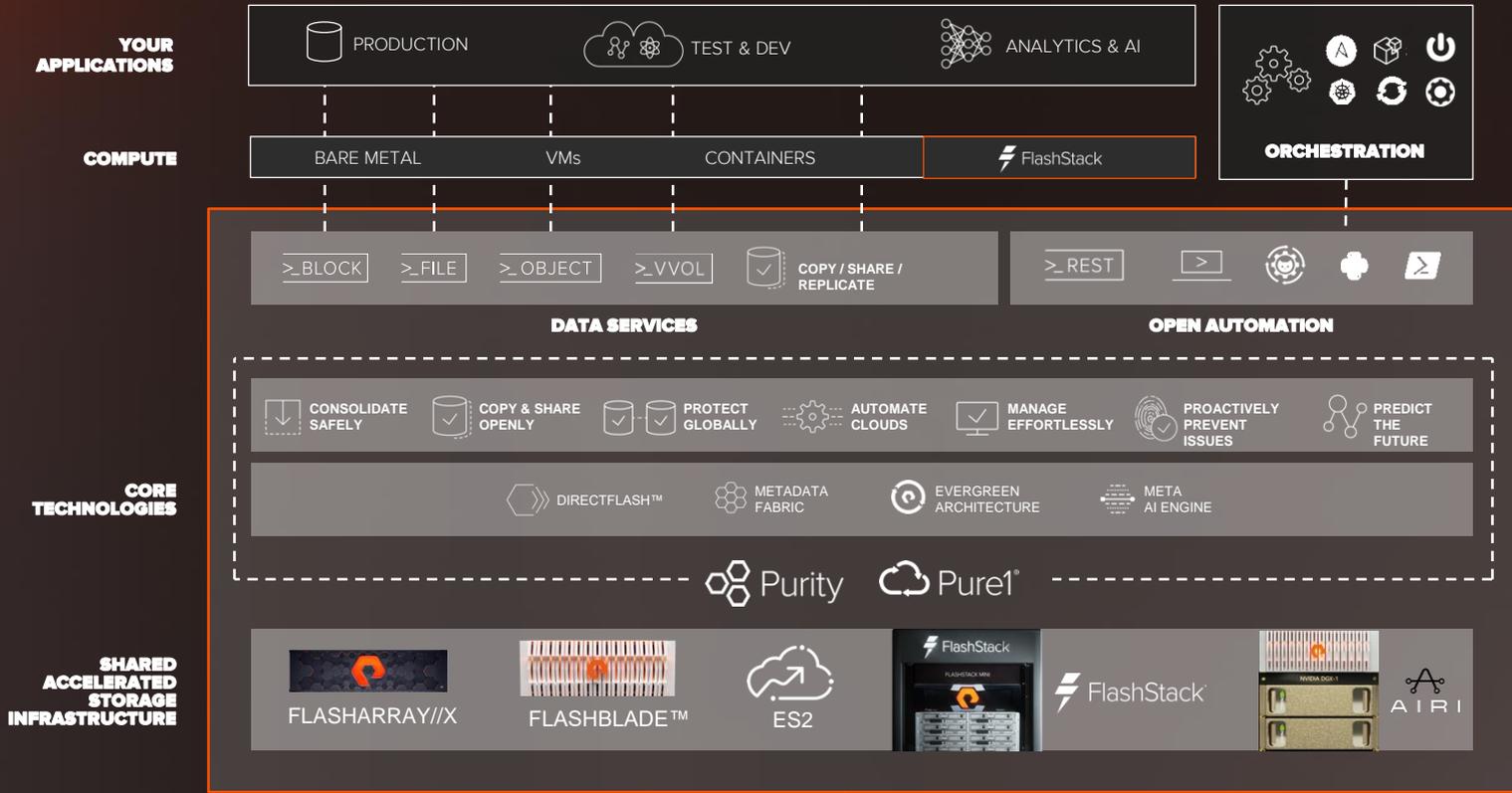
- ✘ 10s of Products
- ✘ Complex, bespoke design
- ✘ Silos – difficult to share
- ✘ 3-5 year forklift refresh cycle
- ✘ Legacy disk performance
- ✘ Compliance & security difficult
- ✘ Constant data migration
- ✘ Expensive!



Data-Centric Architecture



- 01** CONSOLIDATED + SIMPLIFIED
- 02** REAL-TIME
- 03** ON-DEMAND + SELF-DRIVING
- 04** MULTI-CLOUD
- 05** READY FOR TOMORROW



 Data-Centric Architecture



TODAY'S INNOVATION AGENDA



**WHAT'S
BEYOND AFA**



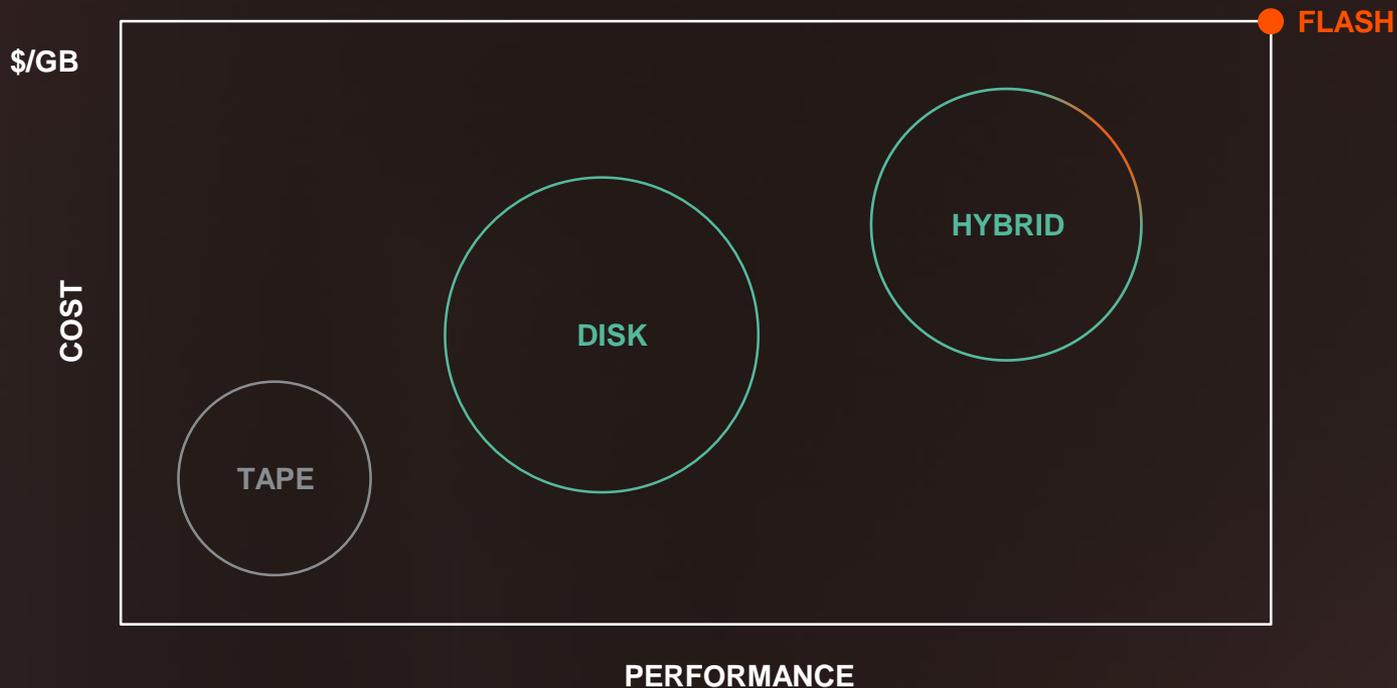
**DATA DELIVERED
AS-A-SERVICE**



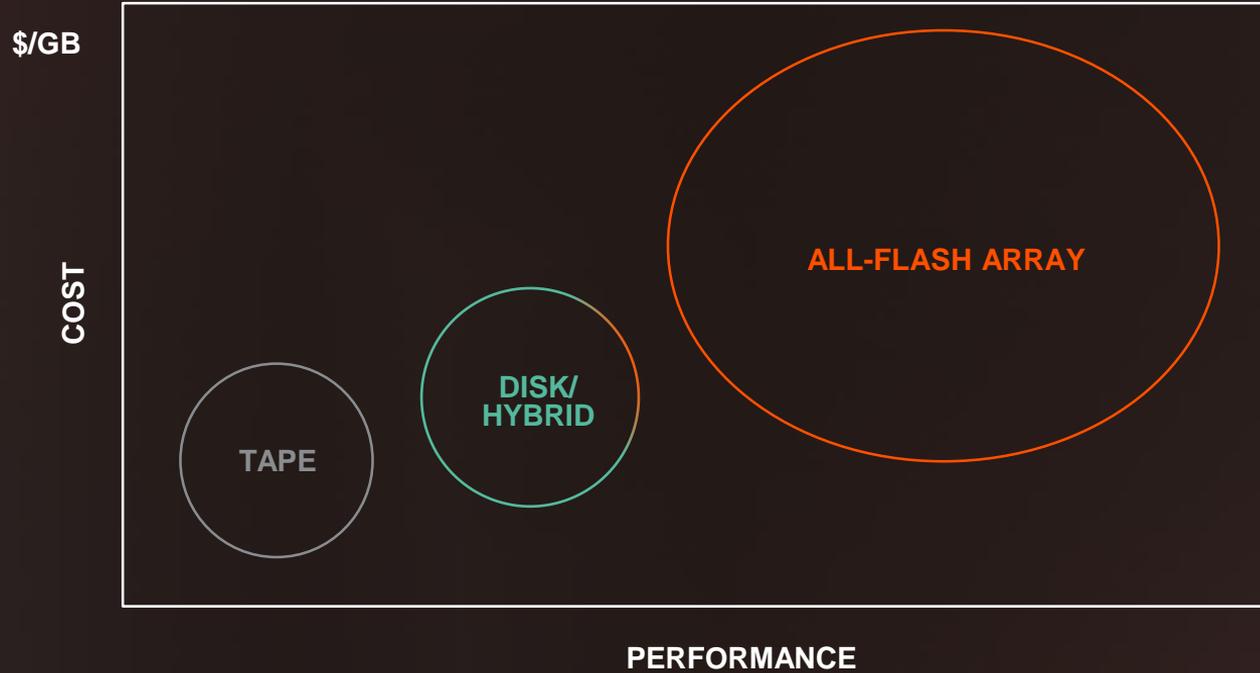
**ERA OF
INTELLIGENCE**

STORAGE HIERARCHY

CIRCA 2009

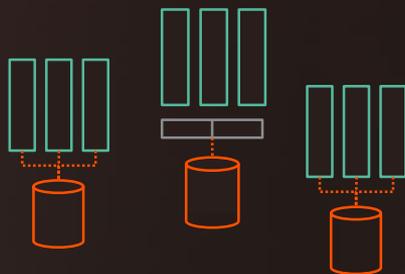


STORAGE GOT FASTER, CHEAPER, AND SIMPLER



TWO CLASSIC STORAGE ARCHITECTURES

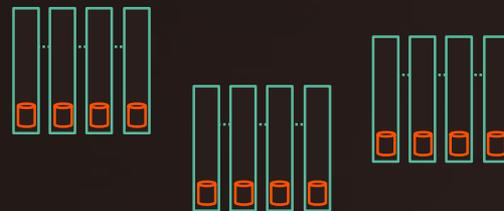
NETWORKED (SAN / NAS)



VMs, DATABASES, SCALE-UP APPS

- ✓ SHARED
- ✓ RELIABLE
- ✓ RICH SOFTWARE
- ✗ MIXED PERFORMANCE
- ✗ COMPLEX
- ✗ EXPENSIVE

DIRECT-ATTACHED (DAS)

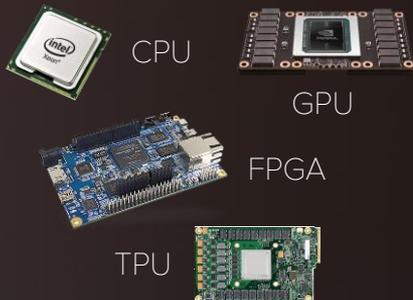


SCALE-OUT APPS, ANALYTICS, CLOUD, HCI

- ✓ FAST
- ✓ SIMPLE
- ✓ CHEAP
- ✗ UNRELIABLE
- ✗ NO SOFTWARE
- ✗ COMPLEX AT SCALE

NEW TECHNOLOGIES WILL ENABLE US TO **RE-WIRE THE DATA CENTER**

DIVERSE, FAST COMPUTE



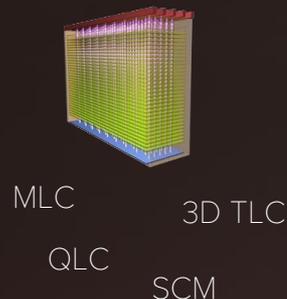
FAST, CONVERGED NETWORKS



OPTIMIZED PROTOCOLS

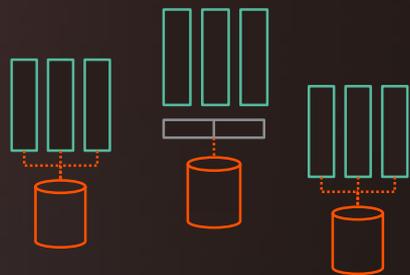


DIVERSE, UBIQUITOUS SOLID STATE



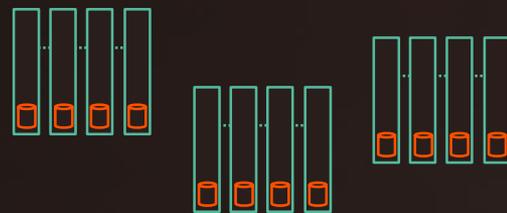
WHAT IF?

CLASSIC SAN APPS & VIRTUALIZATION

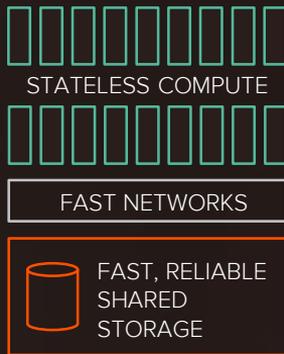


- + DRAMATICALLY FASTER
- + CONSOLIDATE
- + SHARE DATA

SCALE-OUT DAS APPLICATIONS

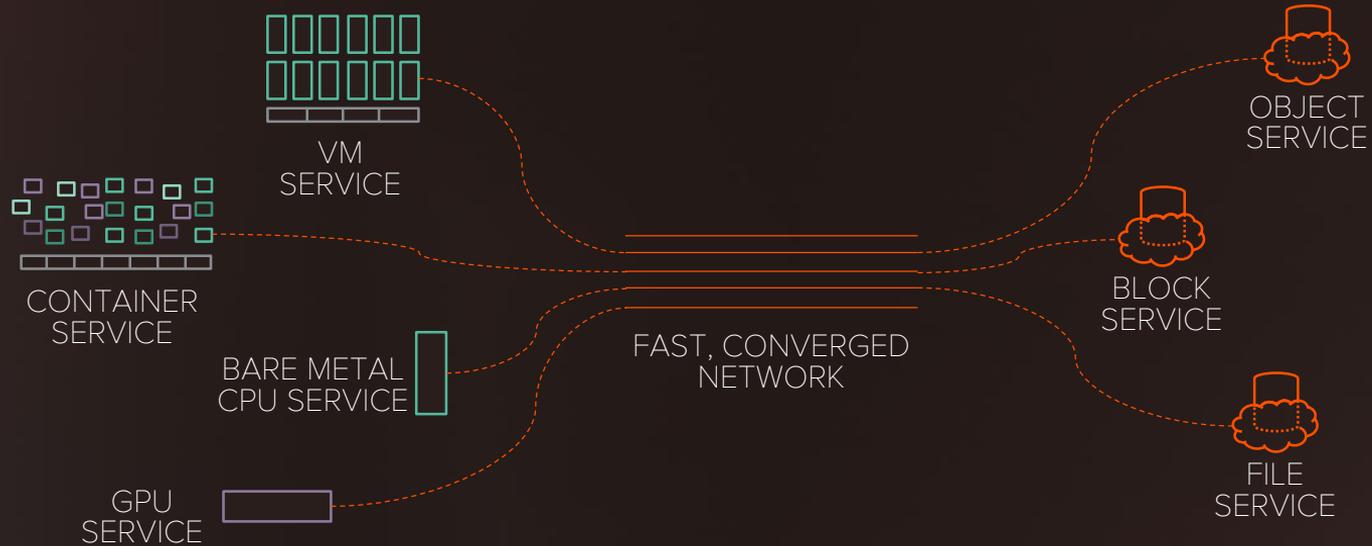


- + DECOUPLE STORAGE/COMPUTE
- + MAINTAIN PERFORMANCE
- + EFFICIENCY



< DATA-CENTRIC ARCHITECTURE >

FOLLOW THE LESSONS OF THE PUBLIC CLOUD



GARTNER IDENTIFIED THIS AS A NEW CATEGORY OF STORAGE

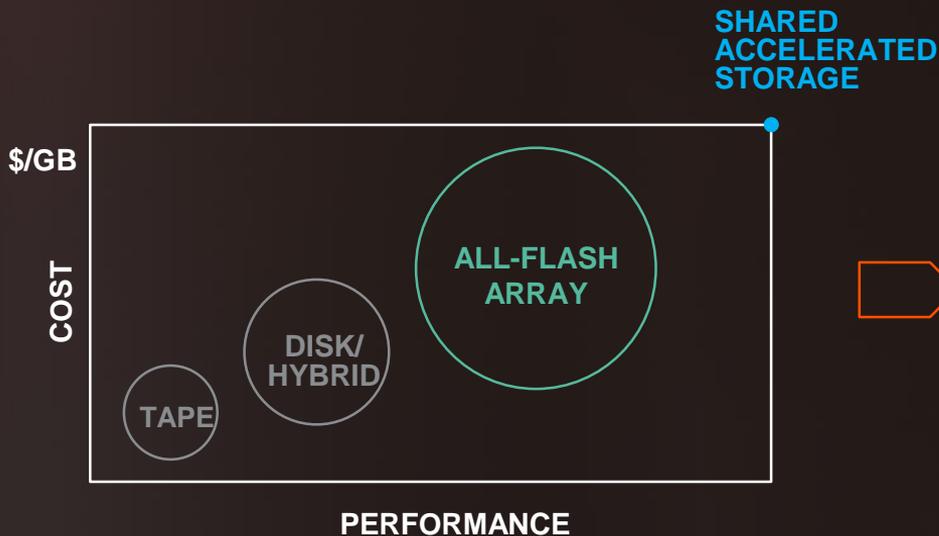
Gartner

**SHARED
ACCELERATED
STORAGE**

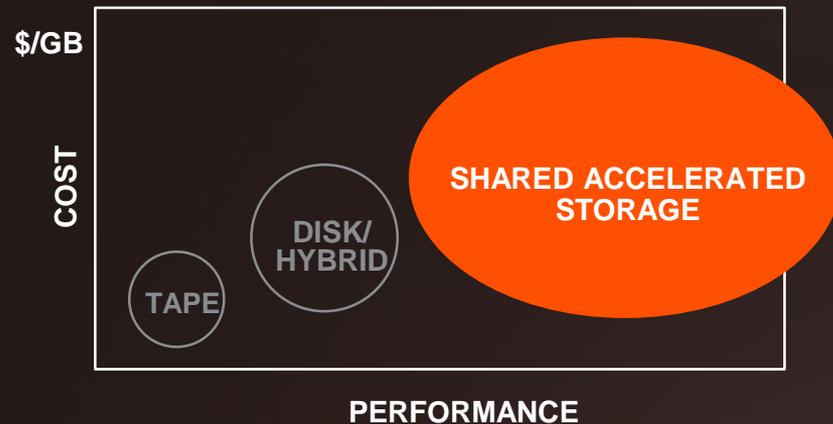
“The NVMe-oF protocol ...will help balance the performance and simplicity of direct-attached storage (DAS) with the scalability and manageability of shared storage.”

BUT WHAT IF SHARED ACCELERATED STORAGE COULD GO MAINSTREAM?

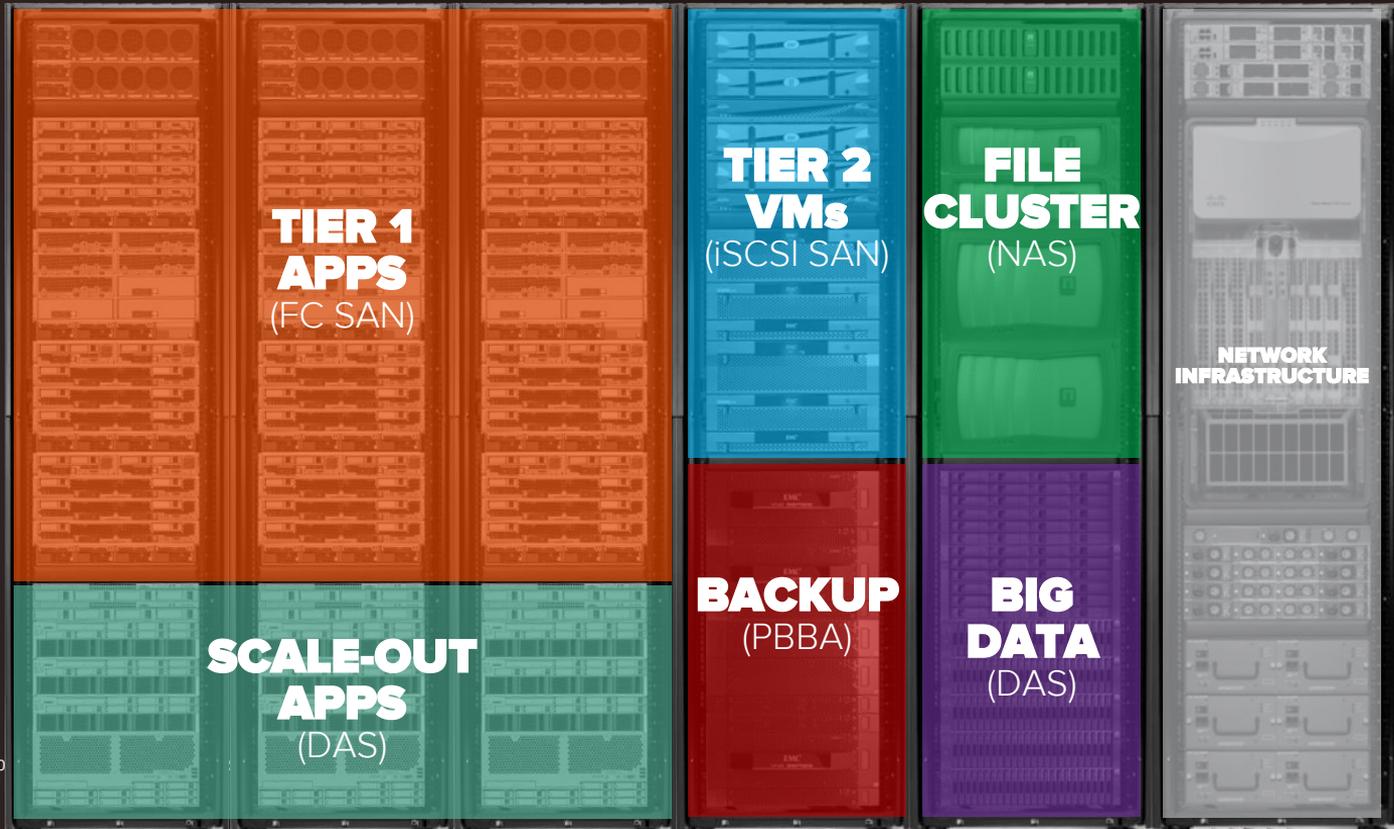
INDUSTRY VIEW



PURE'S VIEW



TODAY YOUR INFRASTRUCTURE PROBABLY LOOKS SOMETHING LIKE THIS



SHARED ACCELERATED STORAGE TRULY UNIFIES INFRASTRUCTURE

FULL-STACK OPEN ORCHESTRATION



FAST NETWORKS

DISKLESS, STATELESS
ELASTIC COMPUTE

CONTAINERS

VMs

BARE METAL

ORACLE

splunk

kafka

hadoop

Spark

SAP

SAP HANA



Cassandra

Epic

elasticsearch

SQL Server

logstash

Cockroach

Exchange

mongoDB

cloudera

kibana

SharePoint

HORTONWORKS

SHARED
ACCELERATED
STORAGE

>_BLOCK

>_FILE

>_OBJECT

- ✓ **STANDARDIZES** INFRASTRUCTURE
- ✓ **SCALE** COMPUTE, STORAGE PERFORMANCE, & STORAGE CAPACITY **INDEPENDENTLY**
- ✓ **SHARE FLEXIBLY:** SNAP INSTEAD OF COPY
- ✓ **RESILIENT & SELF-PROTECTED:** LET STORAGE DO THE HA, BACKUP & DR WORK FOR ALL APPLICATIONS
- ✓ **SIMPLE** TO DEPLOY ... MANAGE ... SCALE



AND WE'VE ALREADY LEAD THE WAY TO SHARED ACCELERATED STORAGE

FlashBlade™ **FB**



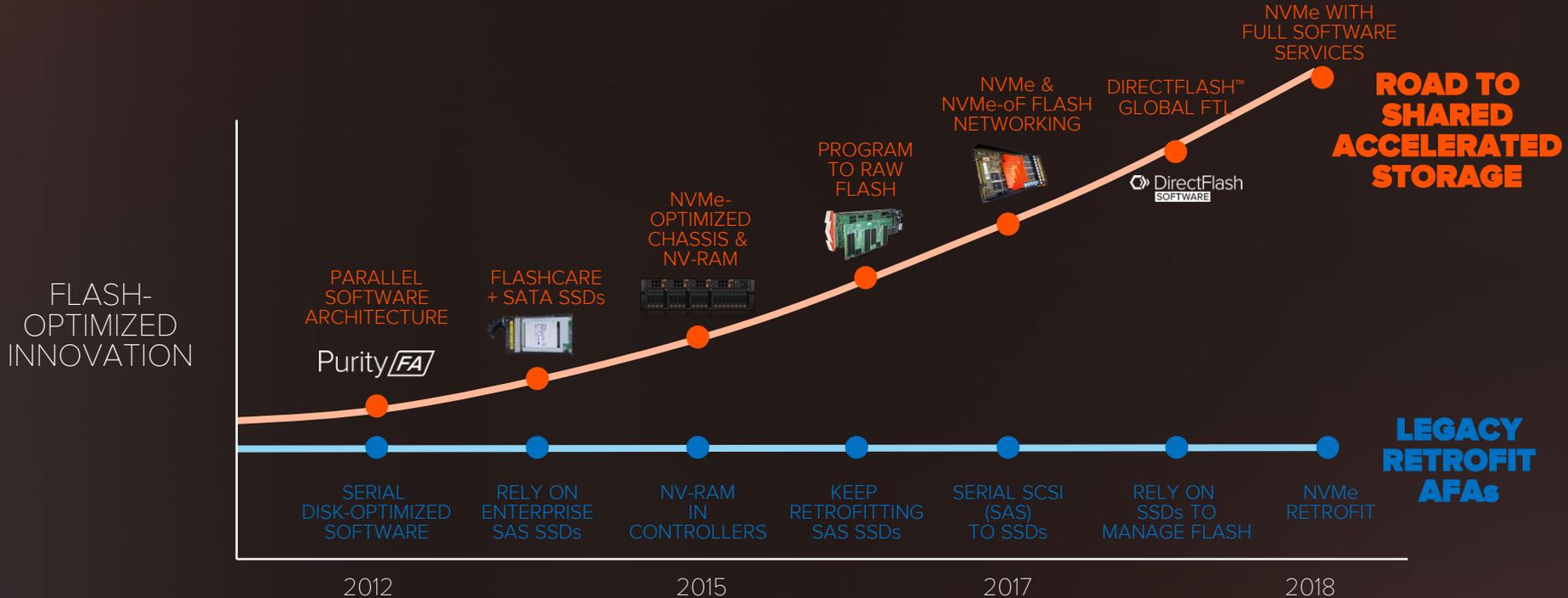
2016: The world's first AFA for
File/Object Data, Analytics & AI

FlashArray **//X**



2017: The world's first enterprise
all-NVMe AFA

PURE'S BEEN INVESTING IN THIS TRANSFORMATION FROM DAY 1...



INTRODUCING THE NEW

FlashArray **//X** FAMILY

SHARED ACCELERATED STORAGE FOR EVERY WORKLOAD



INTRODUCING THE NEW

FlashArray **//X** FAMILY

SHARED ACCELERATED STORAGE FOR EVERY WORKLOAD



RE-DEFINES FAST

- 100% NVMe DIRECTFLASH™ ARCHITECTURE
- UP TO 2X FASTER THAN PREVIOUS GENERATION AFAs
- AS LOW AS 250 μs LATENCY
- ...WITH FULL DATA SERVICES



RE-DEFINES SIMPLICITY AT SCALE

- 99.9999% AVAILABILITY
- FULL SOFTWARE SERVICES BUILT-IN
- API AUTOMATION & AI-DRIVEN CLOUD MANAGEMENT



RE-DEFINES DENSE CONSOLIDATION

- 3PB EFFECTIVE IN 6U
- INDUSTRY'S BEST 10:1 AVERAGE TOTAL EFFICIENCY (5:1 AVG. DATA REDUCTION)
- ALWAYS-ON QoS



ALWAYS EVERGREEN™

- MIX NVMe & SATA
- UPGRADE ONLINE FROM ANY FLASHARRAY
- NVMe-oF & FUTURE MEDIA READY

2017:

FlashArray **//X**



//X 70

FlashArray **//M**



//M 70

//M 50

//M 20

//M 10

SATA Flash



2018:

FlashArray **//X**



//X 90

//X 70

//X 50

//X 20

//X 10

//X FAMILY:
DUAL-MODE
NVMe + SAS/SATA
CONTROLLERS

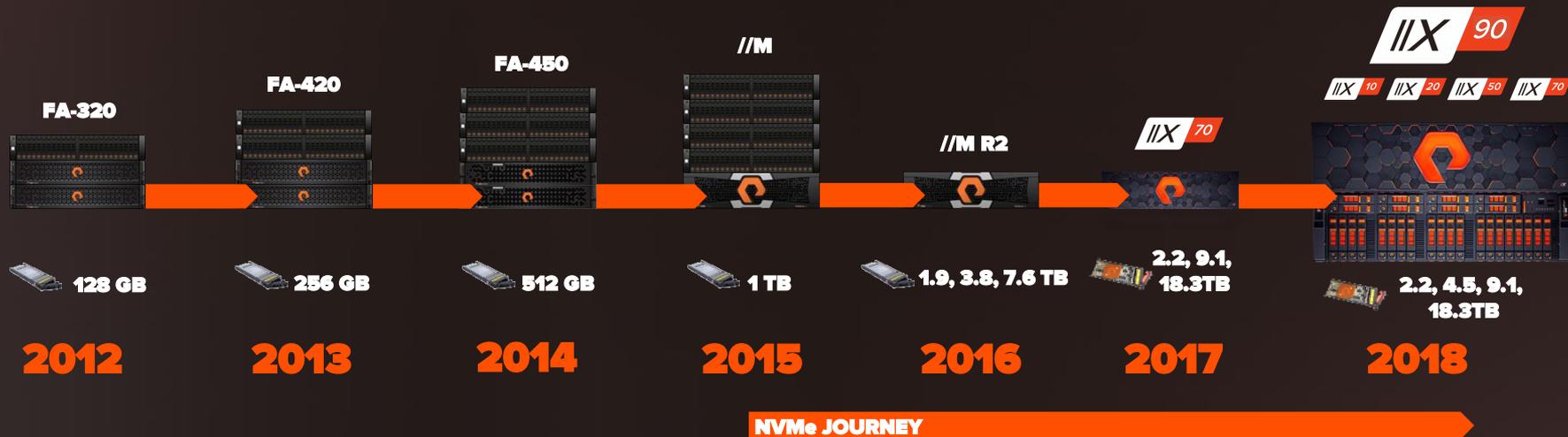
PERFORMANCE + SCALE CONFIGS:
50TB TO 3PB EFFECTIVE
100% NVMe DirectFlash

ENTRY CONFIGS:
15TB to 50TB EFFECTIVE
SAS/SATA Flash Modules,
NVMe-Upgradable in Place

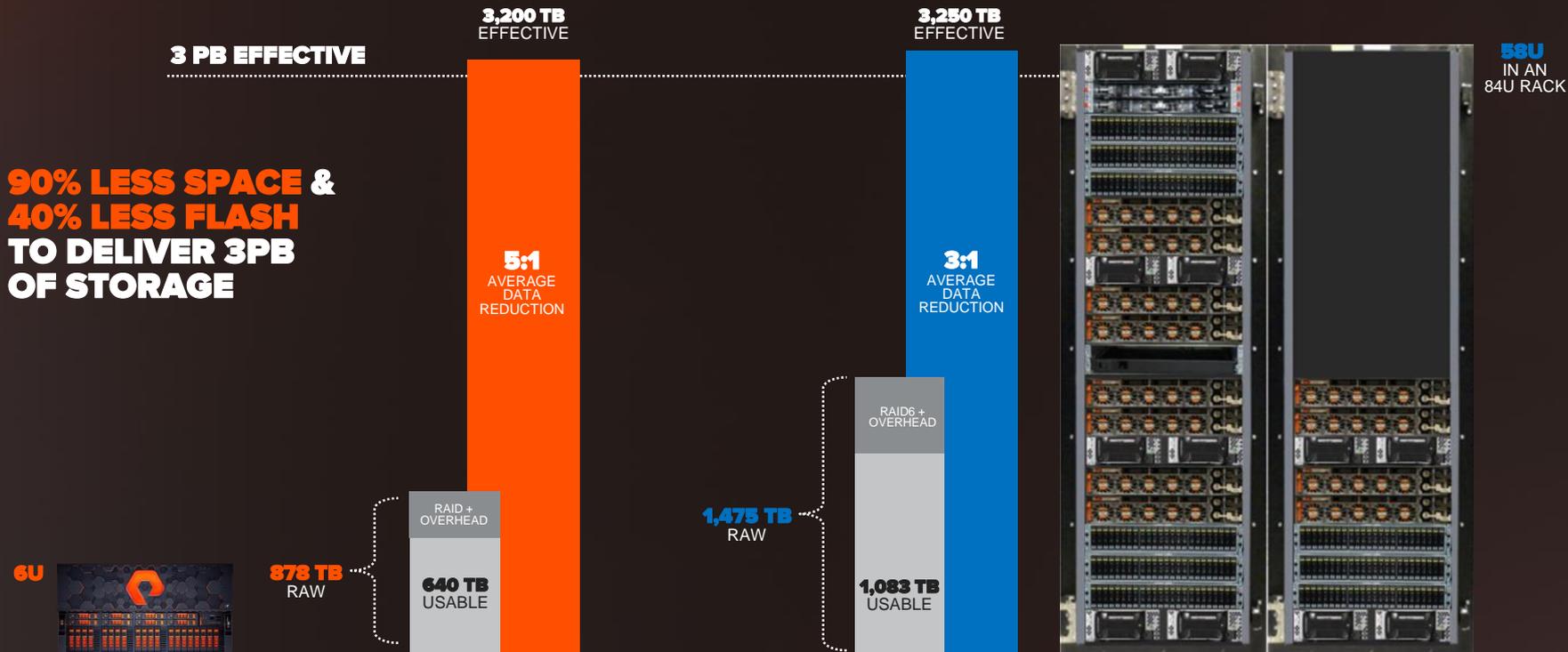
FlashArray **IIx**

OUR SEVENTH GENERATION OF EVERGREEN,
NON-DISRUPTIVE UPGRADES!

 Evergreen™ Storage



//X VS Competitor Offering

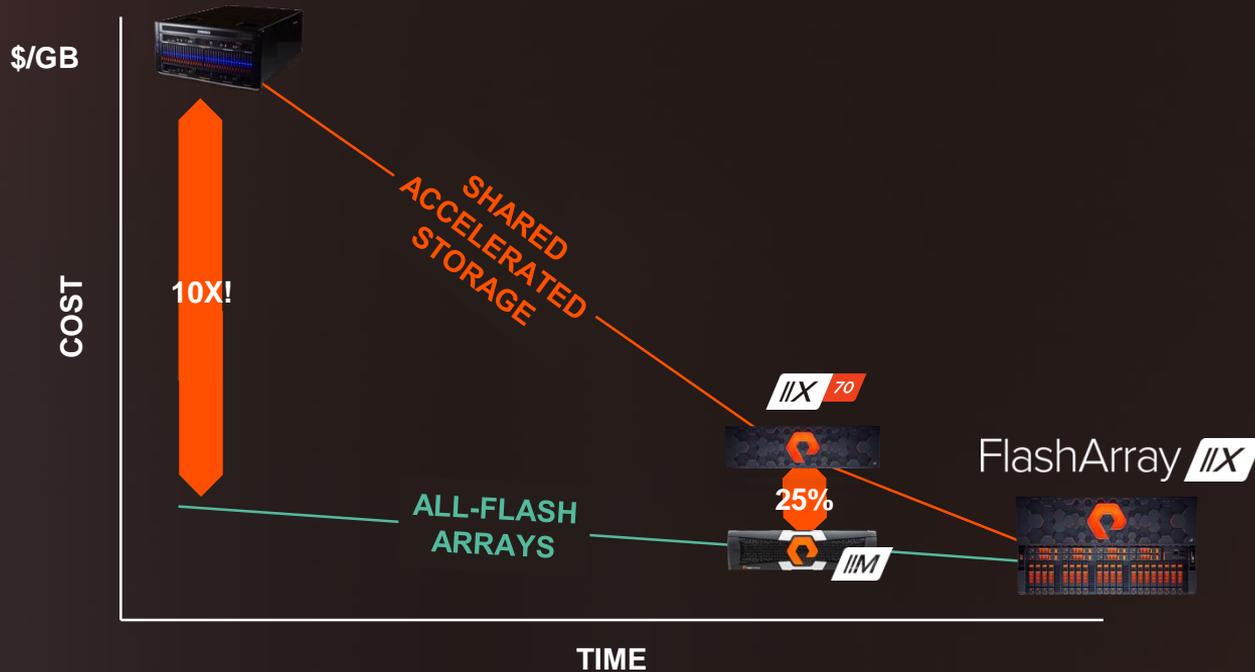


Pure FlashArray//X90

A Competitor's Offering

FlashArray //X

IS PRICED FOR MAINSTREAM ADOPTION



\$0

PREMIUM

FOR //X OVER //M ON LIKE EFFECTIVE CAPACITY



TODAY'S INNOVATION AGENDA



**WHAT'S
BEYOND AFA**



**DATA DELIVERED
AS A SERVICE**



**ERA OF
INTELLIGENCE**

AUTOMATE
AND ORCHESTRATE

VIRTUALIZE
AND CONTAINERIZE

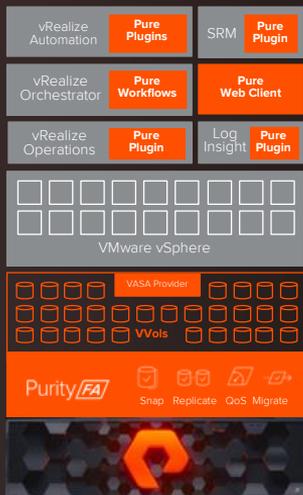
CONSUME
ON-DEMAND



AUTOMATE AND ORCHESTRATE

...ON EVERY CLOUD PLATFORM

VMWARE SDDC



NEW

VMware SDDC
VALIDATED
DESIGN



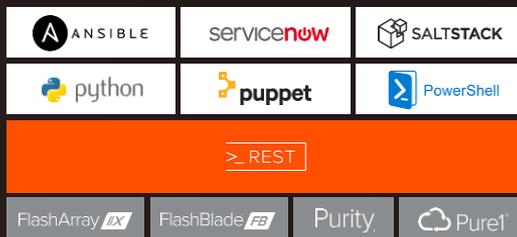
A FULLY-
AUTOMATED
VMWARE
CLOUD



OPEN AUTOMATION

NEW

PRE-BUILT OPEN FULL-STACK
AUTOMATION TOOLKITS

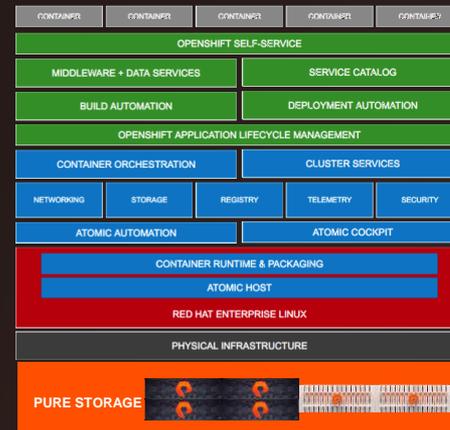


PURE
CODE()

OPENSIFT PaaS

NEW

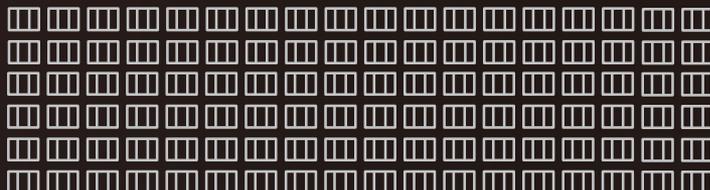
CONTAINER-BASED PaaS
REFERENCE ARCHITECTURE



NEW

INTRODUCING

PURE SERVICE ORCHESTRATOR



kubernetes



MESOSPHERE

Flex Driver
& Plugins



Docker Volume Plug-In



SERVICE ORCHESTRATOR

-  SMART POLICY PROVISIONING
 - ON-DEMAND
 - POLICY-BASED
-  ELASTIC SCALING
 - MULTI-ARRAY
 - FILE & BLOCK
-  TRANSPARENT RECOVERY
 - SELF-HEALING



Note: Expected GA in Q3, 2018. Delivery dates and features subject to change.



BUT WHY CAN'T I
CONSUME LIKE
THE CLOUD?

CAPEX



Evergreen
Storage

OPEX



~~**LEASE**~~



NEW

INTRODUCING



ES2

**EVERGREEN
STORAGE
SERVICE**

YOUR CLOUD STORAGE, ON DEMAND

PAY-PER-
USED GB

TERMS AS
SHORT AS
12 MONTHS

ONBOARDED IN
DAYS¹

TRUE
OPEX²



ALWAYS
Evergreen™

**BETTER-
THAN-CLOUD**
ECONOMICS



ES2 **DELIVERS FLEXIBILITY**



Place your data on **OPEX** or **CAPEX** storage resources – as needed



Experiment on-prem with **OPEX** and convert to **CAPEX** when ready to commit



Run **HYBRID** to own your own data while leveraging public cloud compute



Enjoy **ENTERPRISE CLASS** storage services, with **CLOUD FLEXIBILITY**





TODAY'S INNOVATION AGENDA



**WHAT'S
BEYOND AFA**



**DATA DELIVERED
AS-A-SERVICE**



**ERA OF
INTELLIGENCE**



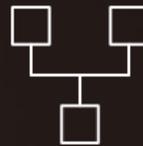
ERA OF INTELLIGENCE

MATT BURR
FLASHBLADE GM

PURE ENABLING THE ERA OF INTELLIGENCE



**DATA HUB
FOR
DATA-FIRST WORLD**



**WORLDS FIRST
MODERN
FILE & OBJECT**



**LEADERSHIP
IN AI
INDUSTRY**

NO COLD DATA

GREATEST ADVANCEMENTS ALWAYS NEED FUEL



TRAINS



STEAM



AUTOMOBILES



FOSSIL FUEL



COMPUTERS



ELECTRICITY



AI



100101
010101
100110

DATA

DATA IS THE MODERN FUEL, YET STUCK IN SILOS

DATA WAREHOUSE IN APPLIANCES

ORACLE
MySQL
Microsoft SQL Server



DATA LAKE IN DAS

hadoop



DATA PIPELINE IN CLOUD

kafka
Spark

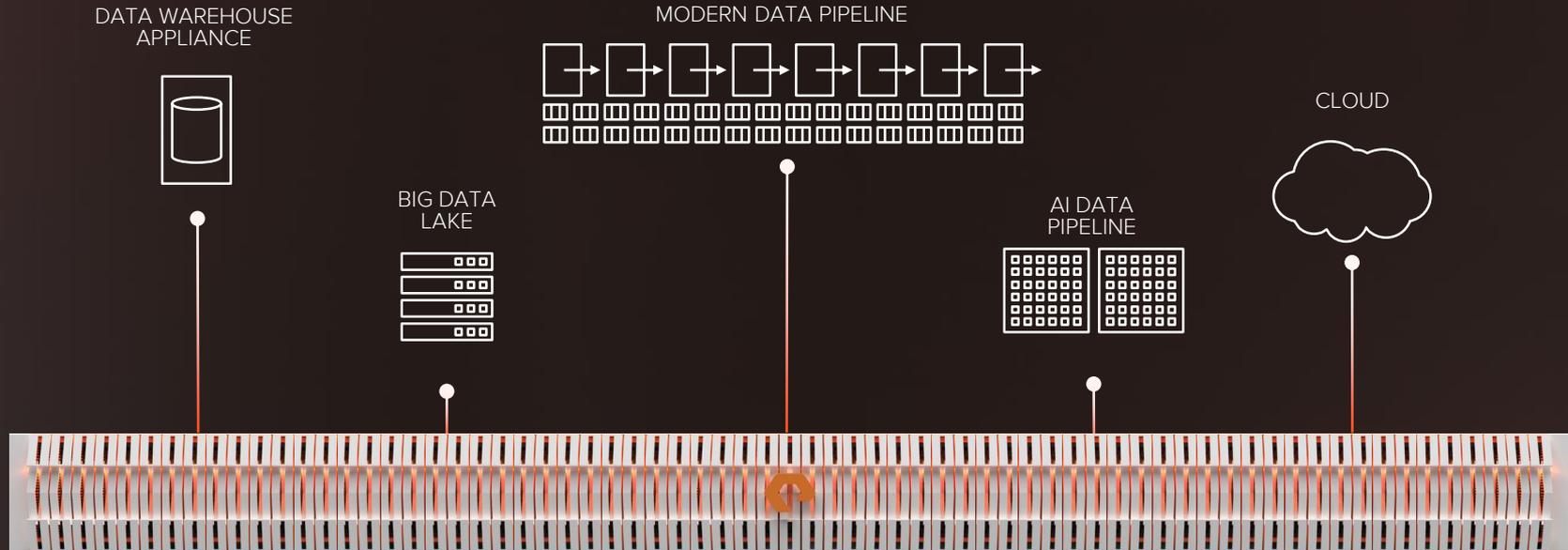


AI DATA PIPELINE ON FLASH

nvidia
Caffe2
TensorFlow



SET DATA FREE WITH DATA HUB



FLASHBLADE KEY USE CASES

RAPID RESTORE

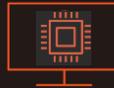


DATA WAREHOUSE



ORACLE
SAP
SQL Server

SEMICONDUCTOR DESIGN



MODERN ANALYTICS



AI



FLASHBLADE KEY USE CASES

RAPID RESTORE

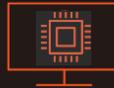


DATA WAREHOUSE



ORACLE
SAP
SQL Server

SEMICONDUCTOR DESIGN



MODERN ANALYTICS

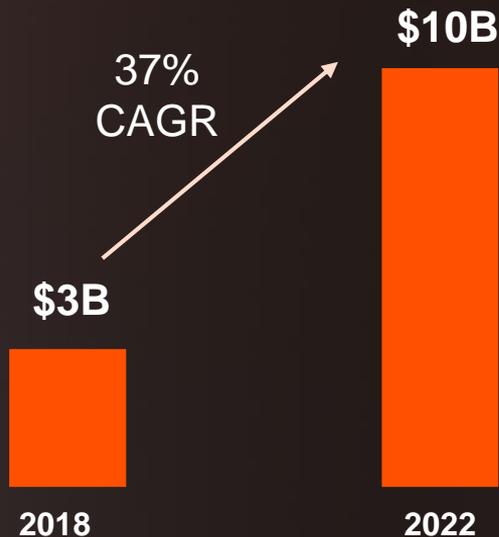


AI



ARTIFICIAL INTELLIGENCE: FLASHBLADE POSITIONED WELL

Storage TAM for AI



- Early Success in Burgeoning Market
- Industry Ecosystem Partners & Advocates
- File and Object in Same Platform Significant Advantage
- Pushes Performance Beyond Limits of Legacy Storage

Source: IDC 2018

AIRI

AIRI

INDUSTRY'S FIRST AI-READY
INFRASTRUCTURE

BRINGING WORLD-CLASS AI INFRASTRUCTURE IN
REACH OF NEW DATA SCIENCE TEAMS



5X HIGHER PRODUCTIVITY OUT OF THE BOX WITH FLASHBLADE

“ Pure Storage FlashBlade is about **10 times faster** out of the box, with no specific tuning or effort. It enabled us to boost our GPU **from about 20% average utilization to close to 100% utilization.**”

*Jeremy Barnes
Chief Architect*

ELEMENT^{AI}



FLASHBLADE KEY USE CASES

RAPID RESTORE

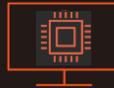


DATA WAREHOUSE



ORACLE
SAP
SQL Server

SEMICONDUCTOR DESIGN



MODERN ANALYTICS



AI



10-20x FASTER FOR MODERN ANALYTICS

FOR INDUSTRY LEADING HEDGE FUND

AI CLEAN & LABEL

AI EXPLORE

AI TRAIN

SPARK

MONGO



CPU Servers

GPU Server

GPU Servers

CPU Servers

CPU Servers



“

Our quants want to test a model, get the results, and then test another one- all day long. So a **10-20X improvement in performance is a game-changer** when it comes to creating a time-to-market advantage for us.

”

Gary Collier, co-CTO, Man AHL

FLASHBLADE KEY USE CASES

RAPID RESTORE



DATA WAREHOUSE



ORACLE
SAP
SQL Server

SEMICONDUCTOR DESIGN



MODERN ANALYTICS



AI

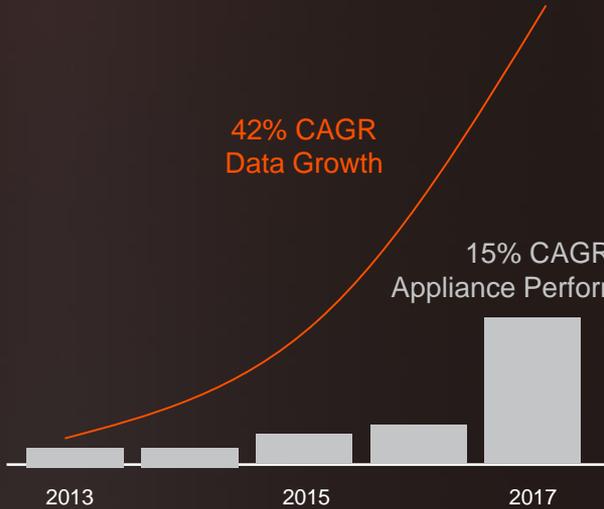


THREE FLAWS WITH TRADITIONAL DATA WAREHOUSE

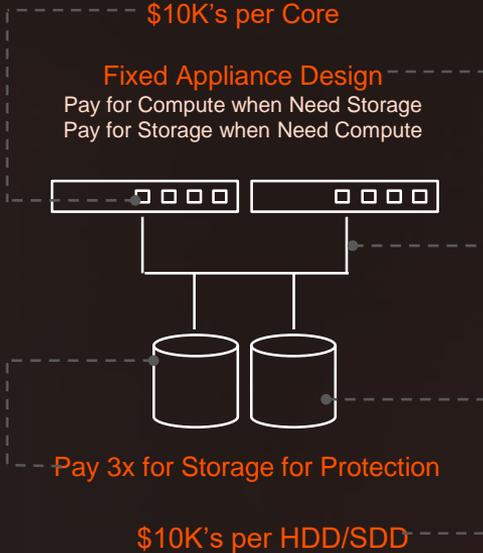
PERFORMANCE NOT KEEPING UP WITH DATA

42% CAGR
Data Growth

15% CAGR
Appliance Performance



PRICING EXTORTIONS & OVER-PROVISIONING



INFLEXIBLE APPLIANCES BUILT FOR SINGLE WORKLOAD



UP TO 8X FASTER FOR LEADING TELECOM IN ASIA

	LEGACY EXADATA	FLASHBLADE	BENEFIT
DB ANALYSIS	9.3 Hours	3 Hours	3X Faster
BACKUP	16 Hours	2 Hours	8X Faster
RESTORE	24 Hours	3 Hours	8X Faster
EFFECTIVE DATA SIZE	9.9 TB	3.7 TB	2.7:1 Reduction in Capacity

INTRODUCING NEW FLASHSTACK

MODERNIZING ORACLE DATA WAREHOUSE

Industry-Leading Performance for Oracle Database

Fully Integrated, Validated by Cisco & Pure Storage

Extensible to Modern Analytics & AI



FLASHBLADE KEY USE CASES

RAPID RESTORE

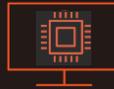


DATA WAREHOUSE



ORACLE
SAP
SQL Server

SEMICONDUCTOR DESIGN



MODERN ANALYTICS



AI



PITFALLS WITH EXISTING BACKUP SOLUTIONS

SLOW RESTORE EXPERIENCE

LACKS PERFORMANCE WHEN YOU MOST NEED IT



DCAC DENNY CHERRY & ASSOCIATES CONSULTING

If You Thought Database Restores Were Slow, Try Restoring From an EMC Data Domain

Published On: 2015-07-20 By: Denny Cherry

Recently I did something which I haven't had to do for a VERY long time, restore a database off of an EMC Data Domain. Thankfully I wasn't restoring a failed production system, I was restoring to a replacement production system, so I was getting log shipping setup.

“The database in this case is ~6TB in size... I canceled it after about 24 hours. It was at ~2% complete.”

FROM 30 HOURS TO 30 MINUTES

LEADING SaaS COMPANY STANDARDIZES BACKUP & RESTORE ON FLASHBLADE

38 Hours for Full Recovery

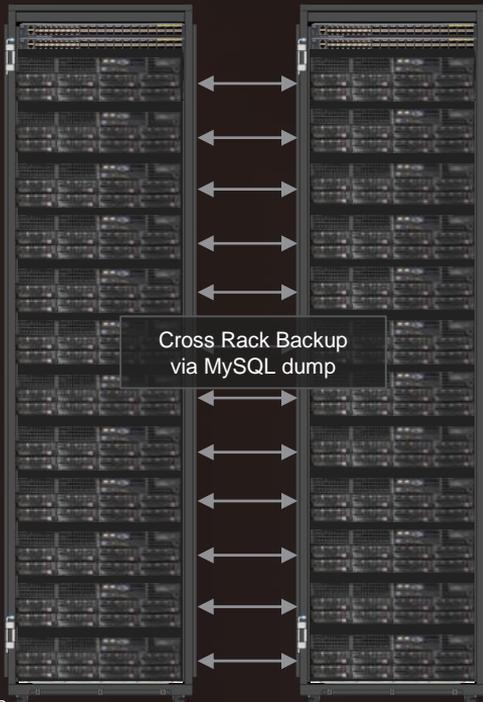
0.5 Hours for Full Recovery

OLD ARCHITECTURE

3RU Servers

\$45k per Server

6 SSDs per Server (3 for DB storage, 3 for fast recovery)



ARCHITECTURE TODAY

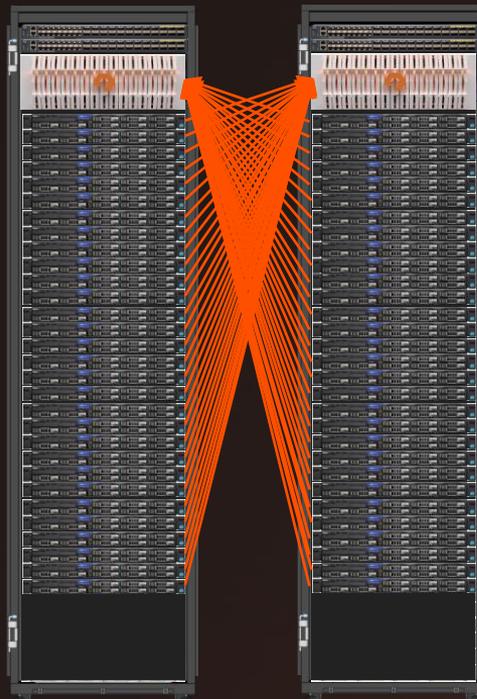
1RU Servers

\$10k per Server

2 SSDs per Server for DB

Backup to FlashBlade

3x More Customers per Rack



WE'RE JUST GETTING STARTED

Leading Customers Across a Range of Industries



ELEMENT^{AI}



PAIGE



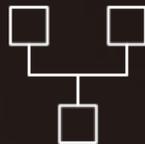
servicenow



ERA OF INTELLIGENCE



**DATA HUB
FOR
DATA-FIRST WORLD**



**WORLDS FIRST
MODERN
FILE & OBJECT**



**LEADERSHIP
IN AI
INDUSTRY**



BREAK



GTM UPDATE

DAVID “HAT” HATFIELD
PRESIDENT

GO TO MARKET 2018 HEADLINES



**SALES EXECUTION
UPMARKET BIAS**



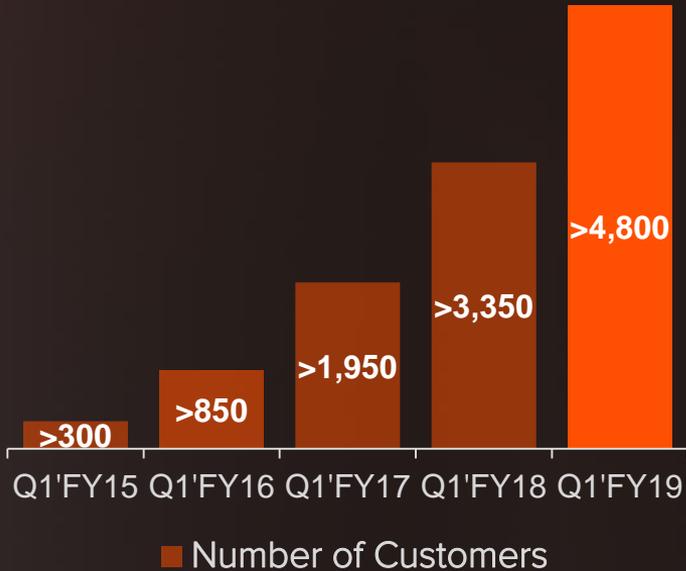
**PARTNER ECOSYSTEM
INDEPENDENCE & LEVERAGE**



**DIFFERENTIATED MODEL
PORTFOLIO SELLING MOTION**

SOLID MOMENTUM IN MARKETS THAT MATTER

Total Customers



Fortune 500

>30%

Top 20 SaaS

35%

Customer Growth

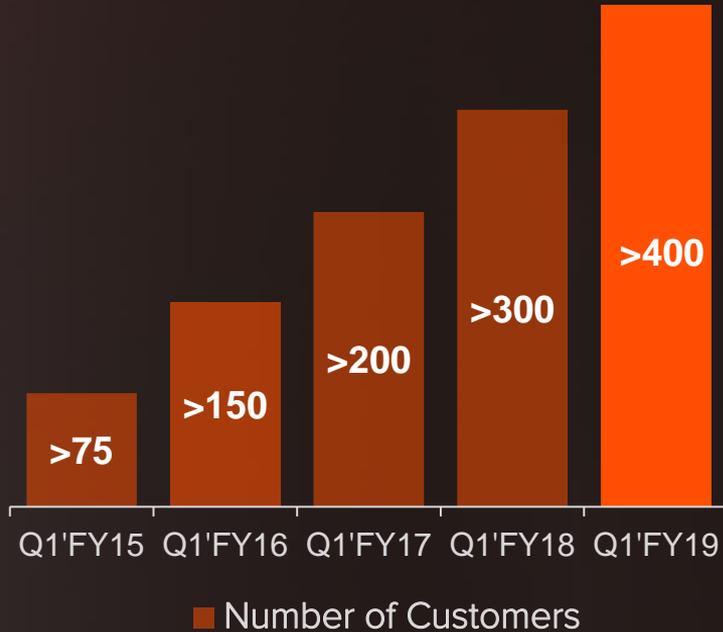
~45%_{o/y/y}

Rev from Cloud

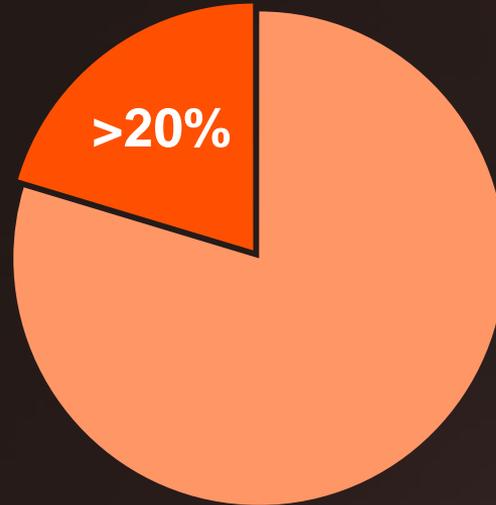
>30%

SOLID MOMENTUM IN GLOBAL COMPANIES WITH ROOM TO GROW

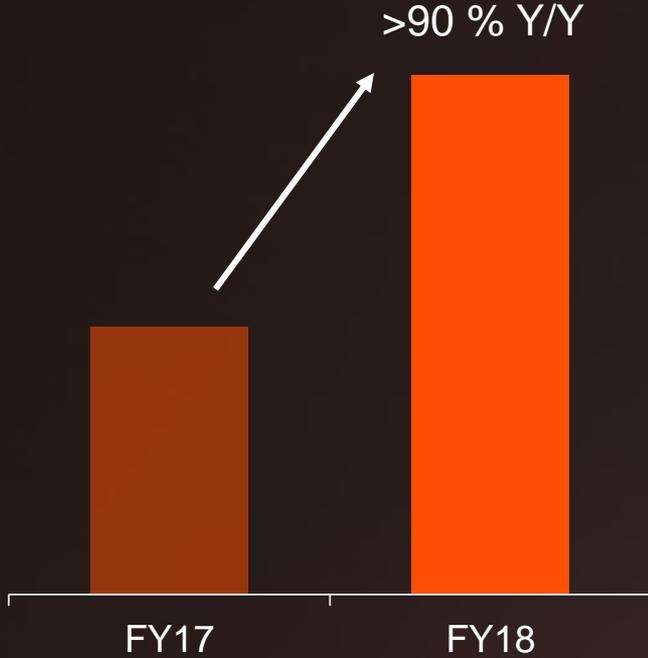
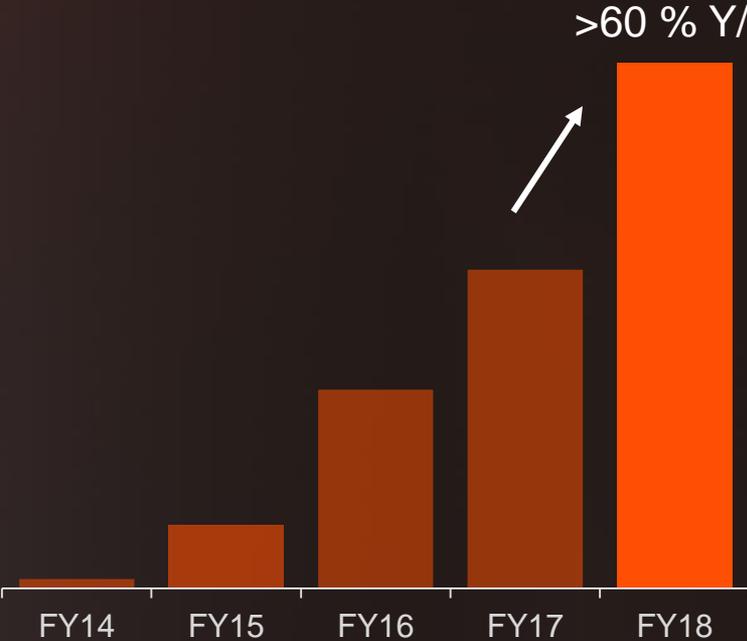
Total G2000 Growth



G2000 Penetration



CUSTOMERS MAKING LARGER INVESTMENTS WITH PURE

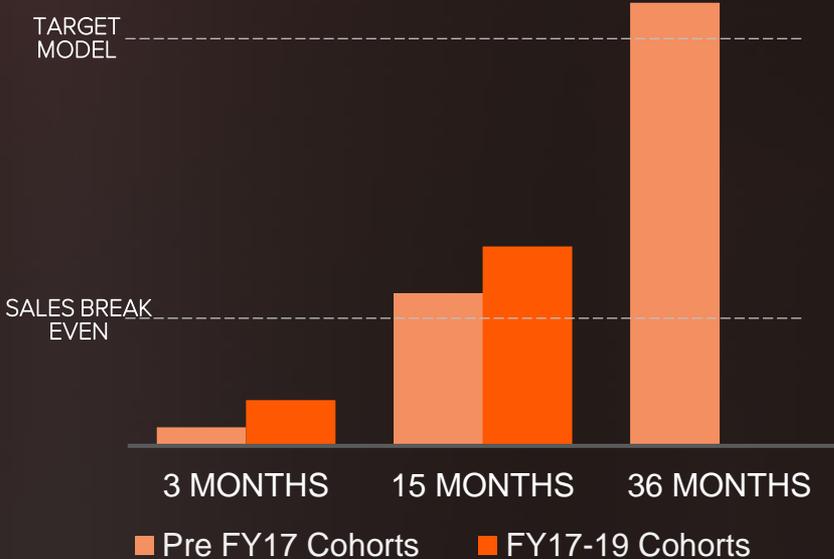


■ Number of Million Dollar Customers at EOY

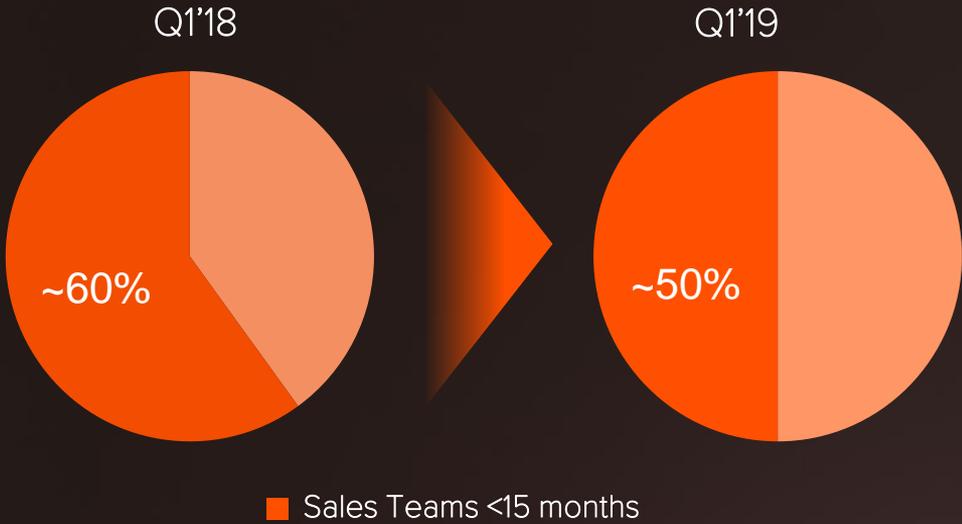
■ Million Dollar Deals

PRODUCTIVITY CONTINUES POSITIVE TREND AND STILL IN EARLY INNINGS

New Cohorts Continue to Ramp Well



~50% of Sales Force has <15 Months Tenure



GO TO MARKET 2018 HEADLINES



**SALES EXECUTION
UPMARKET BIAS**



**PARTNER ECOSYSTEM
INDEPENDENCE & LEVERAGE**

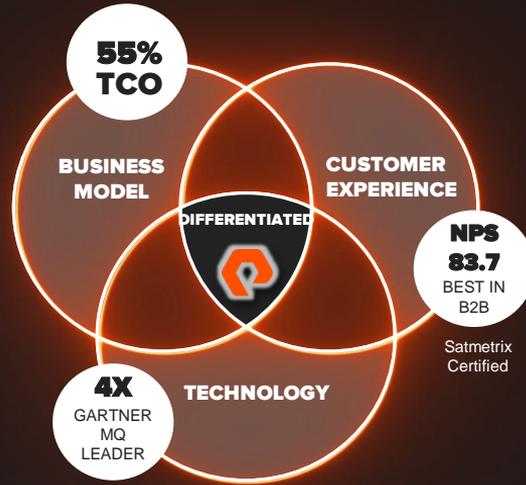


**DIFFERENTIATED MODEL
PORTFOLIO SELLING MOTION**

WHY PARTNERS CHOOSE TO LEAD WITH PURE



GREAT MARKET AND
PURE DIFFERENTIATED



INNOVATION ENGINE



100% PARTNER
CENTRIC

PARTNER CENTRIC REACH AND GLOBAL EXPANSION IN KEY MARKETS



>4,200 Channel AE's & SE's

>1,100 Sales & Marketing

>30 Countries Globally

3

Key Growth Markets

1. Top 1000 Cloud & SaaS
2. Next-gen Use Cases
3. Global 2000

PURE INTEGRATED INTO BROAD TECHNOLOGY ECOSYSTEM

STRATEGIC GTM



CLOUD INTEGRATION



AUTOMATION



INFRASTRUCTURE



APPLICATIONS



GO TO MARKET 2018 HEADLINES



**SALES EXECUTION
UPMARKET BIAS**



**PARTNER ECOSYSTEM
INDEPENDENCE & LEVERAGE**



**DIFFERENTIATED MODEL
PORTFOLIO SELLING MOTION**

EVERGREEN REVOLUTIONIZED HOW ENTERPRISES PURCHASE STORAGE

ACQUIRE

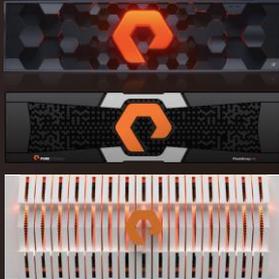


RUN



UPGRADE

DEPLOY ONCE &
UPGRADE IN PLACE



EVERGREEN SUPPORT
SUBSCRIPTION



NO DOWNTIME, DATA-
MIGRATION, OR FORKLIFT

- UPGRADE CONTROLLERS
- MODERNIZE FLASH MEDIA
- INCREASE CAPACITY
- INCREASE DENSITY

ES2 ENABLING ANOTHER INDUSTRY FIRST - CLOUD STORAGE ON DEMAND



PAY-PER-
USED GB

TERMS AS
SHORT AS 12
MONTHS

ONBOARDED IN
DAYS

TRUE
OPEX*
FASB'19

ALWAYS
 Evergreen™
Storage

ALWAYS
**BETTER-
THAN-CLOUD**
ECONOMICS

EXCITED ABOUT THE PRODUCT CYCLE WE'RE ENTERING

- Democratization of NVMe - Another Product Cycle Pure has Led
- FB for AI, Next Gen analytics, HDFS and Rapid Restore
- FlashStack and AIRI converged growth: expansion with Cisco
- Pure1 and Evergreen = investment protection and consistent customer experience

GO TO MARKET 2018 HEADLINES



**SALES EXECUTION
UPMARKET BIAS**



**PARTNER ECOSYSTEM
INDEPENDENCE & LEVERAGE**



**DIFFERENTIATED MODEL
PORTFOLIO SELLING MOTION**



FINANCIAL UPDATE

TIM RIITERS
CFO

FINANCIAL UPDATE



BY THE NUMBERS



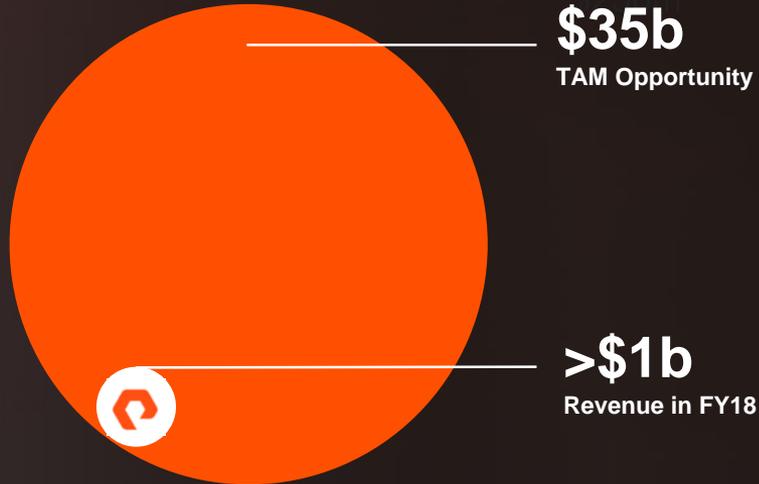
SAAS LIKE EXPANSION



LOOKING FORWARD

QUARTERLY REVIEW: Q1 FY19

Large Opportunity Ahead



Q1'19 statistics

Q1'FY19 Revenue

\$256m

Growth

+40% y/y

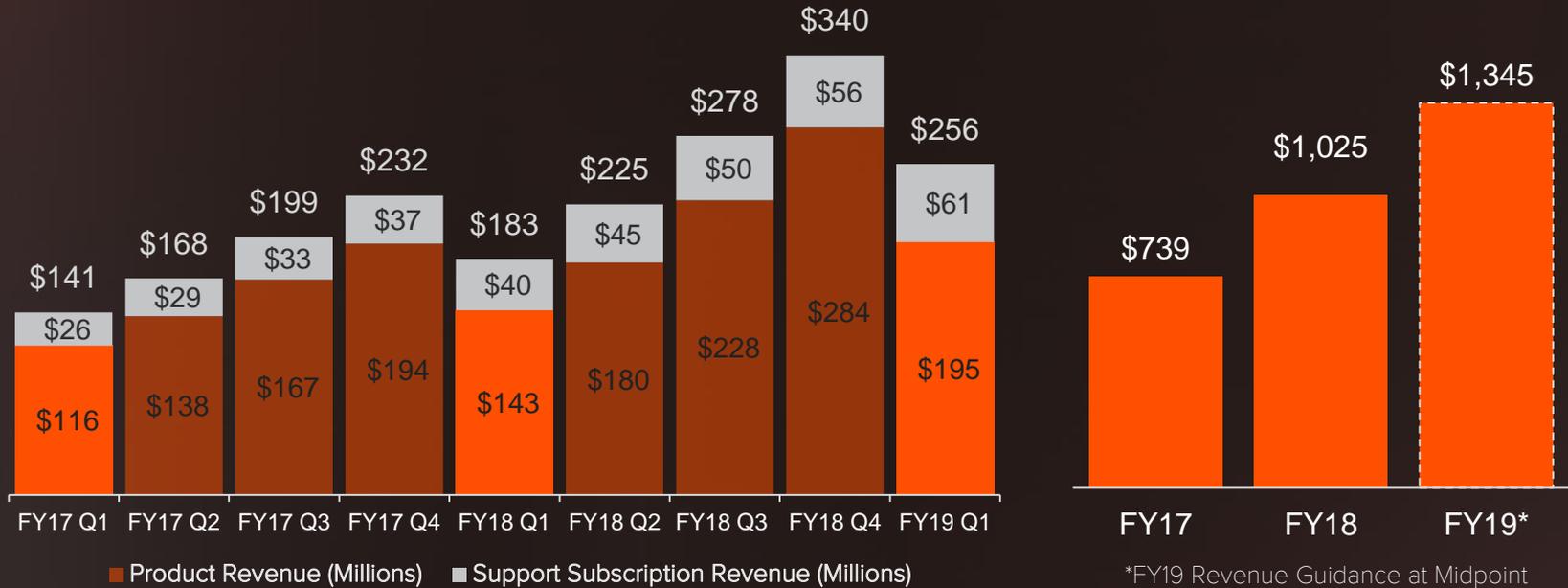
Gross Margin

66.3%

Operating Margin

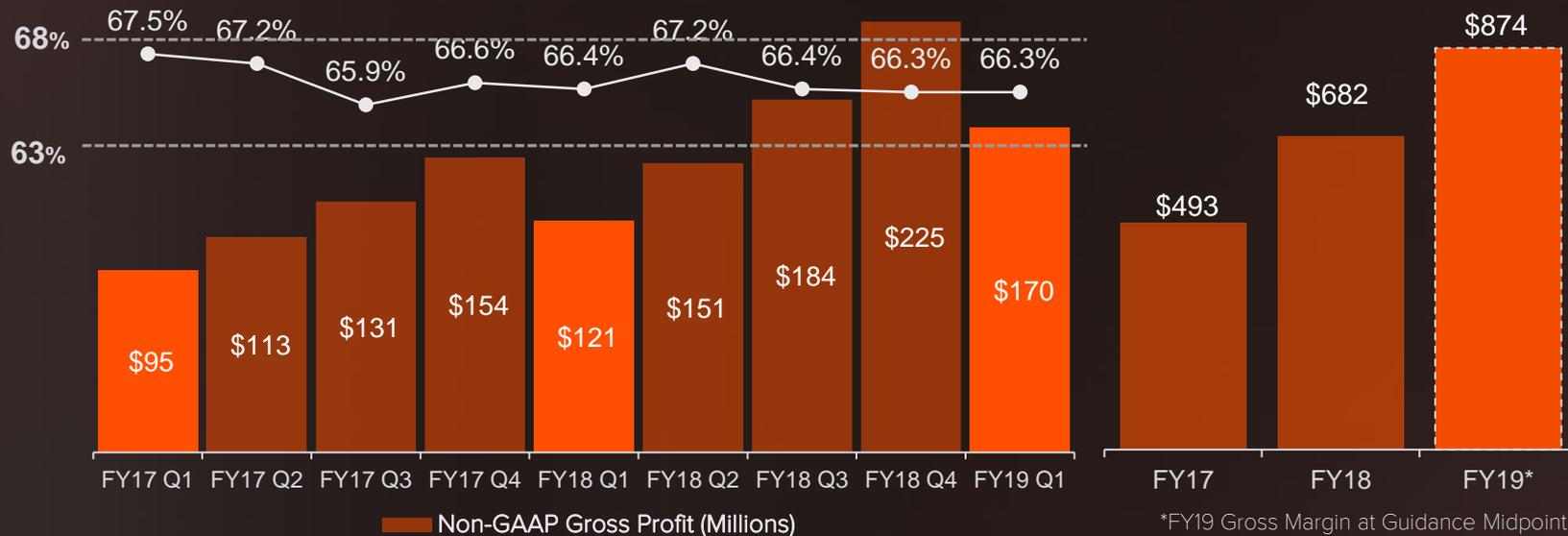
-6%

+40% Y/Y REVENUE GROWTH - STRONG START TO FY19

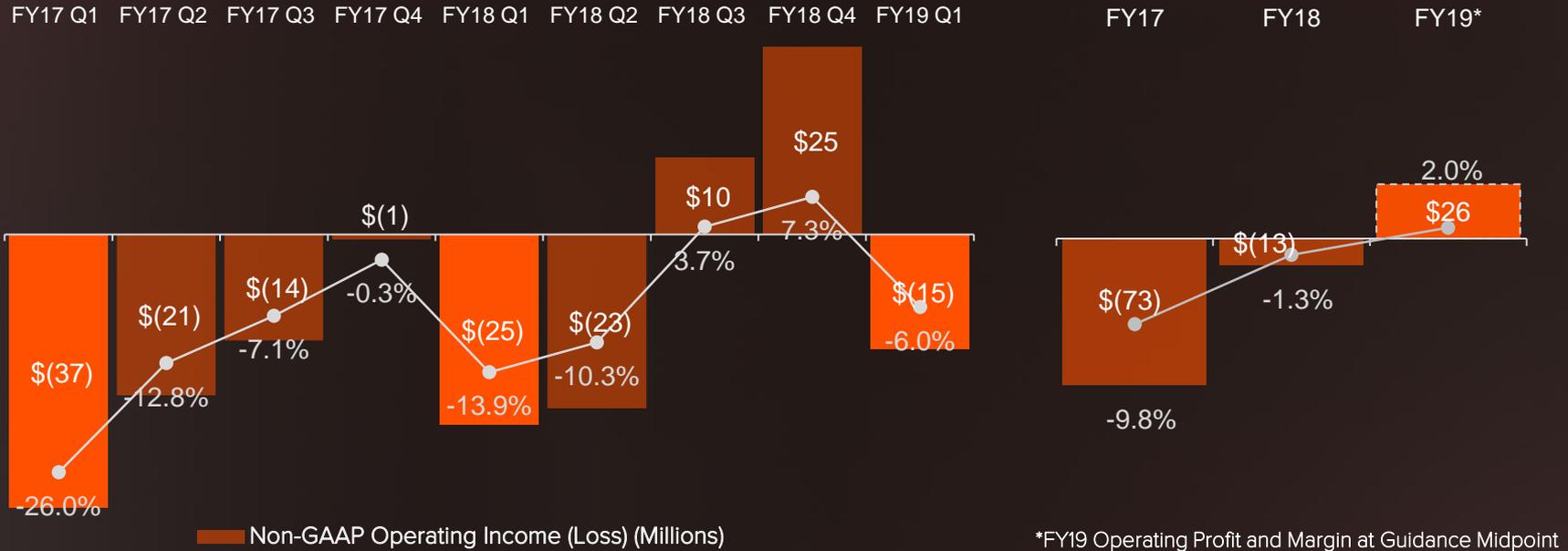


SOFTWARE DRIVING INDUSTRY LEADING GROSS MARGINS

LONG-TERM GM
TARGET RANGE



CONSISTENT LEVERAGE IMPROVEMENTS, WITH FY19 PROFITABILITY



QUARTERLY AND ANNUAL GUIDANCE

As a % of Revenue (Numbers in Millions, Non-GAAP)

	Q2FY19	FY19
Revenue	\$296 to \$304	\$1,320 to \$1,370
Gross margin ⁽¹⁾	63.5% to 66.5%	63.5% to 66.5%
Operating margin ⁽¹⁾	-7% to -3%	0% to 4%

⁽¹⁾ We have not reconciled guidance for non-GAAP gross margin and non-GAAP operating margin to their most directly comparable GAAP measures because items such as stock-based compensation expense and payroll tax expense related to stock-based activities that impact these measures are not within our control and/or cannot be reasonably predicted. Accordingly, a reconciliation of the non-GAAP financial measure guidance to the corresponding GAAP measures is not available without unreasonable effort.

FINANCIAL UPDATE



BY THE NUMBERS



SAAS LIKE EXPANSION



LOOKING FORWARD

ES2 – A NEW COMPELLING PURCHASE OPTION



Lifetime value – Benefits customer and Pure



Economics – Delivering higher margins

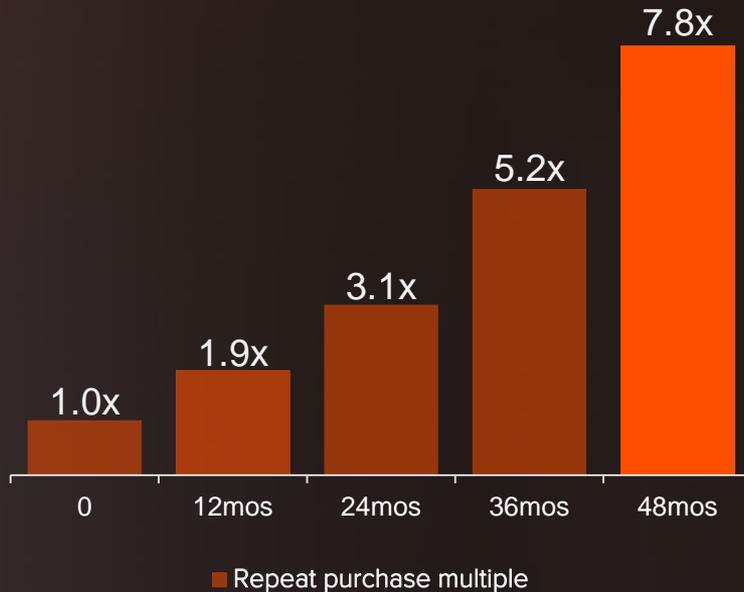


Visibility – More predictable and sticky business

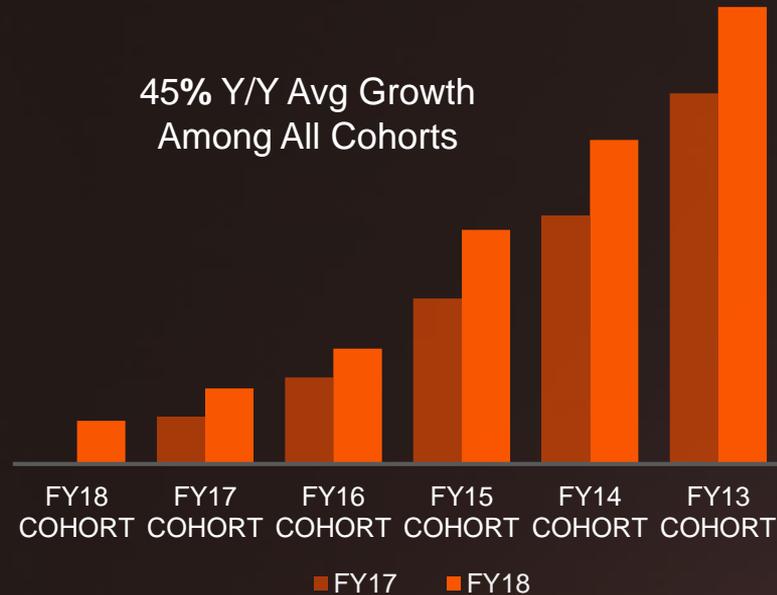
Current Program Expectations Already Included in FY19 Guidance

STRONG & STRENGTHENING REPEAT MOMENTUM

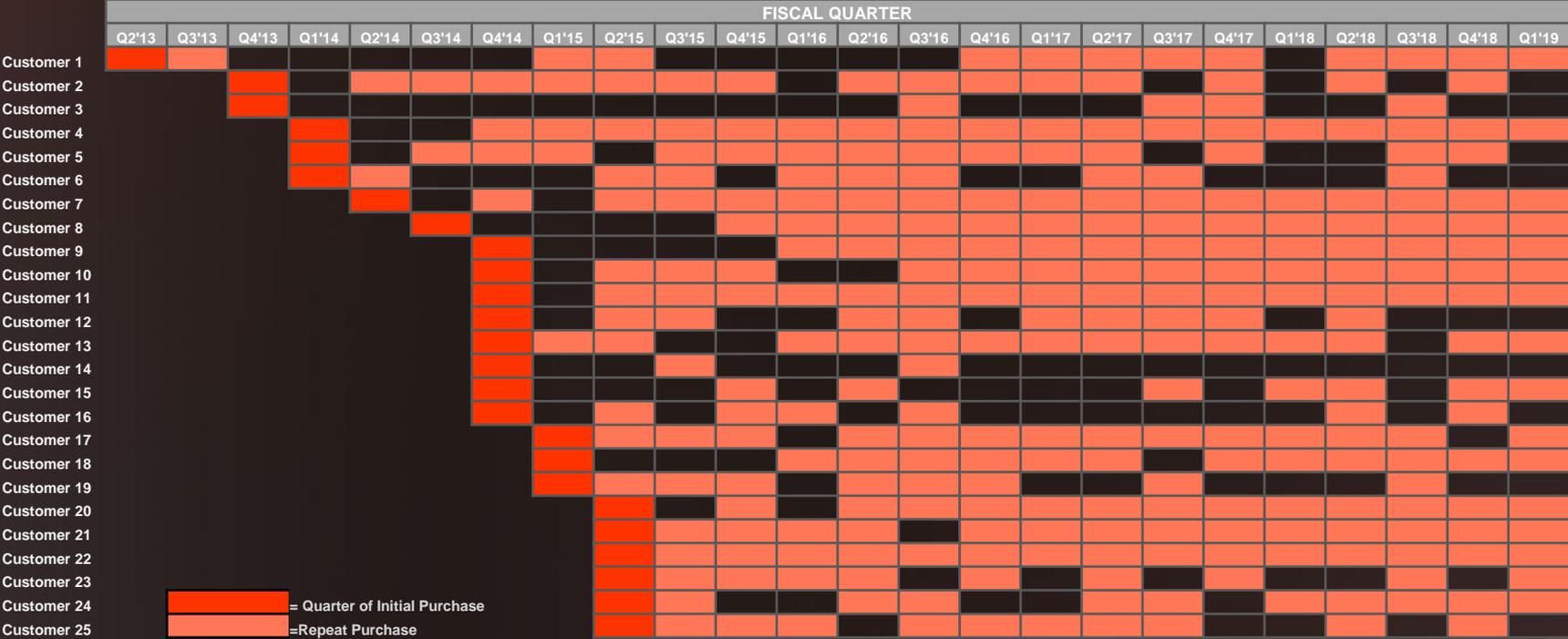
Repeat Purchase Accelerating Overtime



All Cohorts Contributing Well



STRONG AND FREQUENT REPEATS



FINANCIAL UPDATE



BY THE NUMBERS



SAAS LIKE EXPANSION



LOOKING FORWARD

ON TRACK FOR >\$2B, AND INCREASING PROFITABILITY



LONG-TERM TARGET OPERATING MODEL

(\$ in Millions, Non-GAAP)

	Q1FY19	TARGET MODEL
Gross Margin	66.3%	63-68%
R&D	22.0%	15-20%
S&M	42.0%	25-30%
G&A	8.3%	5-7%
Operating Margin	-6.0%	15-20%



CUSTOMER/PARTNER PANEL

INVESTOR SESSION

KEITH MARTIN

SERVICENOW
DIRECTOR OF CLOUD ENGINEERING

LEO BODDEN

NEW YORK PRESBYTERIAN HOSPITAL
CTO

TONY PAIKEDAY

NVIDIA
DIRECTOR PRODUCT MARKETING FOR
DEEP LEARNING



THANK YOU

REVENUE – 606 TO 605 RECONCILIATIONS

(\$ in Millions)	Fiscal Quarter														Full Year							
	Q1 FY17	(%)	Q2 FY17	(%)	Q3 FY17	(%)	Q4 FY17	(%)	Q1 FY18	(%)	Q2 FY18	(%)	Q3 FY18	(%)	Q4 FY18	(%)	Q1 FY19	(%)	FY17	(%)	FY18	(%)
Product revenue - ASC 606	\$115.5	81.9%	\$138.3	82.6%	\$166.5	83.6%	\$194.2	83.9%	\$142.8	78.3%	\$179.7	80.0%	\$227.8	82.1%	\$284.2	83.6%	\$195.4	76.4%	\$614.5	83.1%	\$834.5	81.4%
Less: ASC 606 adoption impact	-3.8	-2.1%	-7.4	-2.4%	-6.0	-2.1%	-7.4	-1.9%	-4.4	-2.5%	-4.7	-2.0%	-4.6	-1.7%	-6.8	-1.6%	n/a	n/a	-\$24.5	-2.1%	-20.5	-1.8%
Product revenue - As previously reported under ASC 605	\$111.7	79.8%	\$130.9	80.2%	\$160.5	81.5%	\$186.8	82.0%	\$138.4	75.8%	\$175.0	78.0%	\$223.2	80.4%	\$277.4	82.0%	n/a	n/a	\$590.0	81.0%	\$814.0	79.6%
Support subscription revenue - ASC 606	\$25.5	18.1%	\$29.2	17.4%	\$32.7	16.4%	\$37.3	16.1%	\$39.8	21.7%	\$45.0	20.0%	\$49.8	17.9%	\$55.7	16.4%	\$60.5	23.6%	\$124.7	16.9%	\$190.3	18.6%
Less: ASC 606 adoption impact	2.7	2.1%	3.1	2.4%	3.7	2.1%	3.7	1.9%	4.4	2.5%	4.4	2.0%	4.7	1.7%	5.2	1.6%	n/a	n/a	\$13.3	2.1%	18.7	1.8%
Support subscription revenue - As previously reported under ASC 605	\$28.2	20.2%	\$32.3	19.8%	\$36.4	18.5%	\$41.0	18.0%	\$44.2	24.2%	\$49.4	22.0%	\$54.5	19.6%	\$60.9	18.0%	n/a	n/a	\$138.0	19.0%	\$209.0	20.4%
Total revenue - ASC 606	\$141.0	100.0%	\$167.5	100.0%	\$199.2	100.0%	\$231.5	100.0%	\$182.6	100.0%	\$224.7	100.0%	\$277.6	100.0%	\$339.9	100.0%	\$255.9	100.0%	\$739.2	100.0%	\$1,024.8	100.0%
Less: ASC 606 adoption impact	-1.1	0.0%	-4.3	0.0%	-2.2	0.0%	-3.7	0.0%	-	0.0%	-0.2	0.0%	0.1	0.0%	-1.6	0.0%	n/a	n/a	-\$11.2	-%	-1.8	0.0%
Total revenue - As previously reported under ASC 605	\$139.9	100.0%	\$163.2	100.0%	\$197.0	100.0%	\$227.8	100.0%	\$182.6	100.0%	\$224.5	100.0%	\$277.7	100.0%	\$338.3	100.0%	n/a	n/a	\$728.0	100.0%	\$1,023.0	100.0%

REVENUE – 606 TO 605 RECONCILIATIONS

	Fiscal Quarter															Full Year						
(\$ in Millions)	Q1 FY17	(%)	Q2 FY17	(%)	Q3 FY17	(%)	Q4 FY17	(%)	Q1 FY18	(%)	Q2 FY18	(%)	Q3 FY18	(%)	Q4 FY18	(%)	Q1 FY19	(%)	FY17	(%)	FY18	(%)
	Fiscal Quarter															Full Year						
(\$ in Millions)	Q1 FY17	(%)	Q2 FY17	(%)	Q3 FY17	(%)	Q4 FY17	(%)	Q1 FY18	(%)	Q2 FY18	(%)	Q3 FY18	(%)	Q4 FY18	(%)	Q1 FY19	(%)	FY17	(%)	FY18	(%)
Product gross margin (GAAP) - ASC 606	\$81.4	70.5%	\$95.4	69.0%	\$111.8	67.7%	\$131.7	67.8%	\$96.2	67.3%	\$122.4	68.7%	\$152.4	66.9%	\$188.2	66.2%	\$ 129.0	66.0%	\$420.3	68.4%	\$559.2	67.0%
Add: SBC	0.1	0.1%	0.2	0.2%	0.1	0.1%	0.2	0.1%	0.4	0.3%	0.4	0.2%	0.1	0.1%	0.7	0.3%	0.6	0.3%	0.6	0.1%	1.6	0.2%
Add: Payroll tax related to stock-based activities	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	0.1	-%	-	-%	0.1	-%
Product gross margin (non-GAAP) - ASC 606	\$81.5	70.6%	\$95.6	69.2%	\$111.9	67.2%	\$131.9	67.9%	\$96.6	67.6%	\$122.8	68.3%	\$152.5	67.0%	\$188.9	66.5%	\$129.7	66.3%	\$420.9	68.5%	\$560.9	67.2%
Less: ASC 606 adoption impact	-3.7	-1.0%	-7.3	-1.8%	-6.0	-1.2%	-7.4	-1.3%	(4.4)	-1.0%	-4.7	-0.8%	-4.5	-0.7%	-6.8	-0.8%	n/a	n/a	-24.4	-1.3%	-20.5	-0.8%
Product gross margin (non-GAAP) - As previously reported under ASC 605	\$77.8	69.6%	\$88.3	67.4%	\$105.9	66.0%	\$124.5	66.6%	\$92.2	66.6%	\$118.1	67.5%	\$148.0	66.3%	\$182.1	65.7%	n/a	n/a	\$396.5	67.2%	\$540.4	66.4%
Support subscription gross margin (GAAP) - ASC 606	\$12.6	49.4%	\$15.2	52.7%	\$18.1	55.4%	\$20.8	55.6%	\$22.9	57.5%	\$25.8	57.4%	\$29.4	59.0%	\$33.7	60.5%	\$ 37.3	61.7%	\$66.6	53.4%	\$111.8	58.7%
Add: SBC	1.1	4.2%	1.7	5.8%	1.2	3.6%	1.7	4.5%	1.8	4.6%	2.2	4.9%	2.4	4.9%	2.6	4.7%	2.7	4.4%	5.7	4.5%	9.1	4.8%
Add: Payroll tax related to stock-based activities	-	-%	-	-%	-	-%	-	-%	-	-%	0.1	0.2%	-	-%	0.1	0.2%	0.1	0.2%	-	-%	0.2	0.1%
Support subscription gross margin (non-GAAP) - ASC 606	\$13.7	53.6%	\$16.9	57.9%	\$19.3	59.0%	\$22.5	60.1%	\$24.7	62.1%	\$28.1	62.5%	\$31.8	63.9%	\$36.4	65.4%	\$40.1	66.3%	\$72.3	57.9%	\$121.1	63.6%
Less: ASC 606 adoption impact	2.7	4.4%	3.1	4.7%	3.7	4.2%	3.6	3.5%	4.4	3.7%	4.5	3.4%	4.7	3.7%	5.2	2.9%	n/a	n/a	13.2	4.7%	18.7	3.3%
Support subscription gross margin (non-GAAP) - As previously reported under ASC 605	\$16.4	58.0%	\$20.0	62.0%	\$23.0	63.2%	\$26.1	63.6%	\$29.1	65.8%	\$32.6	65.9%	\$36.5	67.0%	\$41.6	68.3%	n/a	n/a	\$85.5	62.0%	\$139.8	66.9%
Total gross margin (GAAP) - ASC 606	\$94.0	66.7%	\$110.6	66.0%	\$129.8	65.2%	\$152.4	65.8%	\$119.1	65.2%	\$148.2	66.0%	\$181.8	65.5%	\$221.9	65.3%	\$166.3	65.0%	486.9	65.9%	\$671.0	65.5%
Add: SBC	1.2	0.8%	1.9	1.2%	1.3	0.7%	1.9	0.8%	2.2	1.2%	2.6	1.2%	2.6	0.9%	3.4	1.0%	3.3	1.3%	6.3	0.8%	10.7	1.0%
Add: Payroll tax related to stock-based activities	-	-%	-	-%	-	-%	-	-%	-	-%	0.1	-%	-	-%	0.1	-%	0.2	-%	-	-%	0.3	-%
Total gross margin (non-GAAP) - ASC 606	\$95.2	67.5%	\$112.5	67.2%	\$131.1	65.9%	\$154.3	66.6%	\$121.3	66.4%	\$150.9	67.2%	\$184.4	66.4%	\$225.4	66.3%	\$169.8	66.3%	\$493.2	66.7%	\$682.0	66.5%
Less: ASC 606 adoption impact	-1.0	-0.2%	-4.2	-0.9%	-2.1	-0.4%	-3.7	-0.5%	-	0.0%	-0.2	-0.1%	0.1	-%	-1.6	-0.1%	n/a	n/a	-11.2	-0.5%	-1.8	-%
Total gross margin (non-GAAP) - As previously reported under ASC 605	\$94.2	67.3%	\$108.3	66.3%	\$129.0	65.5%	\$150.6	66.1%	\$121.3	66.4%	\$150.7	67.1%	\$184.5	66.4%	\$223.8	66.2%	n/a	n/a	\$482.0	66.2%	\$680.2	66.5%

REVENUE – 606 TO 605 RECONCILIATIONS

(\$ in Millions)	Fiscal Quarter														Full Year																			
	Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		FY17		FY18		FY19					
	FY17	Total Revenue %																																
R&D (GAAP)	\$52.9	37.5%	\$58.6	35.0%	\$61.6	30.9%	\$72.6	31.4%	\$65.4	35.6%	\$69.4	30.9%	\$68.9	24.6%	\$75.5	22.2%	\$78.5	30.7%	\$245.8	33.3%	\$279.2	27.2%	\$245.8	33.3%	\$279.2	27.2%	\$245.8	33.3%	\$279.2	27.2%	\$245.8	33.3%	\$279.2	27.2%
Less: SBC	-11.7	-8.2%	-14.0	-8.4%	-15.2	-7.7%	-22.6	-9.8%	-15.6	-8.5%	-18.0	-8.0%	-18.1	-6.5%	-19.6	-5.6%	-21.1	-8.3%	-63.5	-8.6%	-71.2	-6.9%	-63.5	-8.6%	-71.2	-6.9%	-63.5	-8.6%	-71.2	-6.9%	-63.5	-8.6%	-71.2	-6.9%
Less: Payroll tax related to stock-based activities	-	-%	-	-%	-0.1	-%	-0.1	-%	-0.3	-0.2%	-0.4	-0.2%	-0.4	-0.1%	-0.5	-0.1%	-1.1	-0.4%	-0.3	-0.1%	-1.6	-0.2%	-0.3	-0.1%	-1.6	-0.2%	-0.3	-0.1%	-1.6	-0.2%	-0.3	-0.1%	-1.6	-0.2%
R&D (non-GAAP)	\$41.2	29.3%	\$44.6	26.6%	\$46.3	23.2%	\$49.9	21.6%	\$49.5	27.1%	\$51.0	22.7%	\$50.4	18.2%	\$55.4	16.3%	\$56.3	22.0%	\$182.0	24.6%	\$206.4	20.1%	\$182.0	24.6%	\$206.4	20.1%	\$182.0	24.6%	\$206.4	20.1%	\$182.0	24.6%	\$206.4	20.1%
S&M (GAAP) - ASC 606	\$79.6	56.5%	\$81.8	48.8%	\$88.3	44.3%	\$98.0	42.4%	\$91.8	50.3%	\$117.6	52.3%	\$117.0	42.1%	\$137.8	40.5%	\$122.4	47.8%	\$347.7	47.0%	\$464.1	45.3%	\$347.7	47.0%	\$464.1	45.3%	\$347.7	47.0%	\$464.1	45.3%	\$347.7	47.0%	\$464.1	45.3%
Less: SBC	-7.5	-5.3%	-8.7	-5.2%	-8.5	-4.5%	-9.6	-4.1%	-10.6	-5.6%	-11.4	-5.1%	-12.1	-4.4%	-13.5	-3.3%	-13.9	-5.4%	-34.3	-4.6%	-47.7	-4.7%	-34.3	-4.6%	-47.7	-4.7%	-34.3	-4.6%	-47.7	-4.7%	-34.3	-4.6%	-47.7	-4.7%
Less: Payroll tax related to stock-based activities	-0.5	-0.4%	-0.1	-%	-0.4	-0.1%	-0.5	-0.3%	-0.2	-0.2%	-0.4	-0.1%	-0.4	-0.1%	-0.4	-0.1%	-1.1	-0.4%	-1.4	-0.2%	-1.3	-0.1%	-1.4	-0.2%	-1.3	-0.1%	-1.4	-0.2%	-1.3	-0.1%	-1.4	-0.2%	-1.3	-0.1%
S&M (non-GAAP) - ASC 606	\$71.6	50.8%	\$73.0	43.6%	\$79.4	39.9%	\$87.9	38.0%	\$81.0	44.3%	\$105.8	47.1%	\$104.5	37.6%	\$123.9	36.5%	\$107.4	42.0%	\$312.0	42.2%	\$415.1	40.5%	\$312.0	42.2%	\$415.1	40.5%	\$312.0	42.2%	\$415.1	40.5%	\$312.0	42.2%	\$415.1	40.5%
Less: ASC 606 adoption impact	3.5	2.9%	5.8	4.7%	3.1	2.0%	-	0.6%	5.1	2.9%	3.1	1.4%	12.3	4.5%	-4.5	-1.2%	n/a	n/a	\$12.4	2.4%	16.0	1.6%	\$12.4	2.4%	16.0	1.6%	\$12.4	2.4%	16.0	1.6%	\$12.4	2.4%	16.0	1.6%
S&M (non-GAAP) - As previously reported under ASC 605	\$75.1	53.7%	\$78.8	48.3%	\$82.5	41.9%	\$87.9	38.6%	\$86.1	47.2%	\$108.9	48.5%	\$116.8	42.1%	\$119.4	35.3%	n/a	n/a	\$324.4	44.6%	\$431.1	42.1%	\$324.4	44.6%	\$431.1	42.1%	\$324.4	44.6%	\$431.1	42.1%	\$324.4	44.6%	\$431.1	42.1%
G&A (GAAP)	\$21.6	15.3%	\$19.6	11.7%	\$22.8	11.4%	\$20.6	8.9%	\$20.1	11.0%	\$22.1	9.3%	\$25.4	9.1%	\$27.5	8.1%	\$27.3	10.7%	\$84.7	11.5%	\$95.2	9.3%	\$84.7	11.5%	\$95.2	9.3%	\$84.7	11.5%	\$95.2	9.3%	\$84.7	11.5%	\$95.2	9.3%
Less: SBC	-2.6	-1.9%	-3.3	-1.9%	-3.2	-1.6%	-3.5	-1.6%	-3.8	-2.1%	-4.8	-2.2%	-6.1	-2.2%	-6.3	-1.9%	-5.6	-2.2%	-12.6	-1.7%	-21.1	-2.1%	-12.6	-1.7%	-21.1	-2.1%	-12.6	-1.7%	-21.1	-2.1%	-12.6	-1.7%	-21.1	-2.1%
Less: Payroll tax related to stock-based activities	-	-%	-	-%	-	-%	-	-%	-0.1	-%	-	-%	-0.1	-%	-0.1	-%	-	-%	-0.1	-0.1%	-0.3	-%	-0.1	-0.1%	-0.3	-%	-0.1	-0.1%	-0.3	-%	-0.1	-0.1%	-0.3	-%
G&A (non-GAAP)	\$19.0	13.4%	\$16.3	9.8%	\$19.6	9.8%	\$17.1	7.3%	\$16.2	8.9%	\$17.2	7.7%	\$19.2	6.9%	\$21.1	6.2%	\$21.4	6.2%	\$72.0	9.1%	\$73.8	7.2%	\$72.0	9.1%	\$73.8	7.2%	\$72.0	9.1%	\$73.8	7.2%	\$72.0	9.1%	\$73.8	7.2%
Charge related to a legal settlement (GAAP)	-	-%	-	-%	\$30.0	15.1%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	\$30.0	4.1%	-	-%	\$30.0	4.1%	-	-%	\$30.0	4.1%	-	-%	\$30.0	4.1%	-	-%
Less: charge related to a legal settlement	-	-%	-	-%	-\$30.0	-15.1%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-\$30.0	-4.1%	-	-%	-\$30.0	-4.1%	-	-%	-\$30.0	-4.1%	-	-%	-\$30.0	-4.1%	-	-%
Charge related to a legal settlement (non-GAAP)	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%
Total operating expense (GAAP) - ASC 606	\$154.1	109.3%	\$160.0	95.5%	\$202.7	101.6%	\$191.3	82.6%	\$177.3	97.1%	\$209.1	93.1%	\$211.3	76.1%	\$240.8	70.4%	\$228.2	89.2%	\$708.2	95.6%	\$898.4	81.6%	\$708.2	95.6%	\$898.4	81.6%	\$708.2	95.6%	\$898.4	81.6%	\$708.2	95.6%	\$898.4	81.6%
Less: SBC	-21.8	-15.4%	-26.0	-15.5%	-26.9	-13.5%	-35.7	-15.4%	-30.0	-16.4%	-34.2	-15.2%	-36.3	-13.1%	-39.4	-15.9%	-40.7	-15.9%	-110.4	-14.3%	-140.0	-13.7%	-110.4	-14.3%	-140.0	-13.7%	-110.4	-14.3%	-140.0	-13.7%	-110.4	-14.3%	-140.0	-13.7%
Less: Payroll tax related to stock-based activities	-0.5	-0.4%	-0.1	-%	-0.5	-0.3%	-0.6	-0.3%	-0.6	-0.4%	-0.9	-0.4%	-0.8	-0.3%	-0.9	-0.2%	-2.5	-1.0%	-1.8	-0.2%	-3.1	-0.3%	-1.8	-0.2%	-3.1	-0.3%	-1.8	-0.2%	-3.1	-0.3%	-1.8	-0.2%	-3.1	-0.3%
Less: charge related to a legal settlement	-	-%	-	-%	-\$30.0	-15.1%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%
Total operating expense (non-GAAP) - ASC 606	\$131.8	93.5%	\$133.9	80.0%	\$145.3	72.9%	\$155.0	66.9%	\$146.7	80.3%	\$174.0	77.5%	\$174.2	62.7%	\$185.0	59.0%	\$185.0	72.3%	\$566.0	76.6%	\$695.3	67.6%	\$566.0	76.6%	\$695.3	67.6%	\$566.0	76.6%	\$695.3	67.6%	\$566.0	76.6%	\$695.3	67.6%
Less: ASC 606 adoption impact	3.5	3.2%	5.7	5.6%	3.1	2.4%	0.0	1.1%	5.1	3.1%	11.4%	3.1%	12.3	4.5%	-4.7	-1.1%	n/a	n/a	\$12.3	2.6%	\$16.0	1.7%	\$12.3	2.6%	\$16.0	1.7%	\$12.3	2.6%	\$16.0	1.7%	\$12.3	2.6%	\$16.0	1.7%
Total operating expense (non-GAAP) - As previously reported under ASC 605	\$135.3	96.7%	\$139.6	85.6%	\$148.4	75.3%	\$155.0	68.0%	\$151.8	83.1%	\$177.1	78.9%	\$186.5	67.2%	\$195.6	57.3%	n/a	n/a	\$78.3	79.4%	\$711.3	69.5%	\$78.3	79.4%	\$711.3	69.5%	\$78.3	79.4%	\$711.3	69.5%	\$78.3	79.4%	\$711.3	69.5%
Operating loss (GAAP) - ASC 606	-\$60.1	-42.6%	-\$49.4	-29.5%	-\$72.9	-36.6%	-\$38.9	-16.6%	-\$58.2	-31.9%	-\$60.9	-27.1%	-\$29.6	-10.7%	-\$18.6	-5.5%	-\$61.9	-24.2%	-\$221.3	-29.3%	-\$167.4	-16.3%	-\$221.3	-29.3%	-\$167.4	-16.3%	-\$221.3	-29.3%	-\$167.4	-16.3%	-\$221.3	-29.3%	-\$167.4	-16.3%
Add: SBC	23.0	16.3%	27.9	16.7%	28.2	14.2%	37.6	16.2%	32.2	17.7%	36.8	16.4%	39.0	14.0%	42.6	12.6%	43.9	17.2%	116.7	15.6%	150.7	14.7%	116.7	15.6%	150.7	14.7%	116.7	15.6%	150.7	14.7%	116.7	15.6%	150.7	14.7%
Add: Payroll tax related to stock-based activities	0.5	0.3%	0.1	0.0%	0.6	0.2%	0.6	0.3%	0.7	0.3%	1.0	0.4%	0.8	0.4%	0.9	0.2%	2.7	1.0%	1.8	0.2%	3.4	0.3%	1.8	0.2%	3.4	0.3%	1.8	0.2%	3.4	0.3%	1.8	0.2%	3.4	0.3%
Add: charge related to a legal settlement	-	-%	-	-%	30.0	15.1%	-	-%	-	-%	-	-%	-	-%	-	-%	-	-%	30.0	4.1%	-	-%	30.0	4.1%	-	-%	30.0	4.1%	-	-%	30.0	4.1%	-	-%
Operating income (loss) (non-GAAP) - ASC 606	-\$36.6	-26.0%	-\$21.4	-12.6%	-\$14.1	-7.1%	-\$0.7	-0.3%	-\$25.3	-13.9%	-\$23.1	-10.3%	\$10.2	3.7%	\$24.9	7.3%	-\$15.3	-6.0%	-\$72.8	-9.8%	-\$13.3	-1.3%	-\$72.8	-9.8%	-\$13.3	-1.3%	-\$72.8	-9.8%	-\$13.3	-1.3%	-\$72.8	-9.8%	-\$13.3	-1.3%
Less: ASC 606 adoption impact	-4.5	-3.4%	-10.0	-6.5%	-5.3	-2.7%	-3.7	-1.6%	-5.2	-2.8%	-3.3	-1.5%	-12.3	-4.4%	3.0	1.0%	n/a	n/a	-23.5	-3.4%	-17.8	-1.7%	-23.5	-3.4%	-17.8	-1.7%	-23.5	-3.4%	-17.8	-1.7%	-23.5	-3.4%	-17.8	-1.7%
Operating income (loss) (non-GAAP) - As previously reported under ASC 605	-\$41.1	-29.4%	-\$31.4	-19.3%	-\$19.4	-9.8%	-\$4.4	-1.9%	-\$30.5	-16.7%	-\$26.4	-11.8%	-\$2.1	-0.7%	\$27.9	8.3%	n/a	n/a	-\$6.3	-13.2%	-\$31.1	-3.0%	-\$6.3	-13.2%	-\$31.1	-3.0%	-\$6.3	-13.2%	-\$31.1	-3.0%	-\$6.3	-13.2%	-\$31.1	-3.0%