



## Reduce risk and ensure resiliency in HPE's All-Flash data center

1+1=3 HPE + Veeam Better Together

## Four Trends you Should be Planning

- 1) Production optimization via Flash
- 2) When you modernize Production, you must modernize Protection
- 3) Get more from your data protection infrastructure
- 4) Plan for 'Hybrid Everywhere'



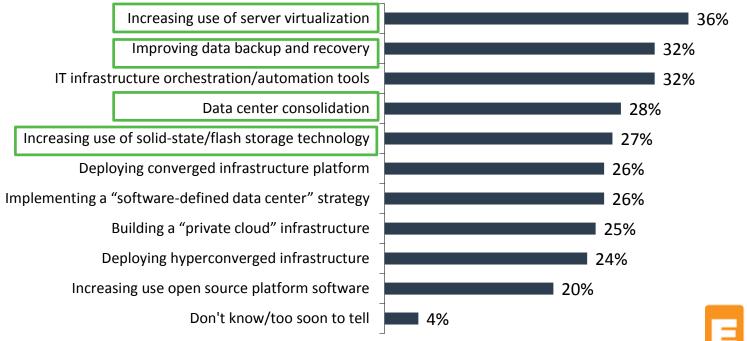
Jason Buffington ESG Principal Analyst



© 2017 VEEAM Software. Confidential information. All rights reserved. All trademarks are the property of their respective owners.

### 2017 Data Center Modernization Spending Priorities

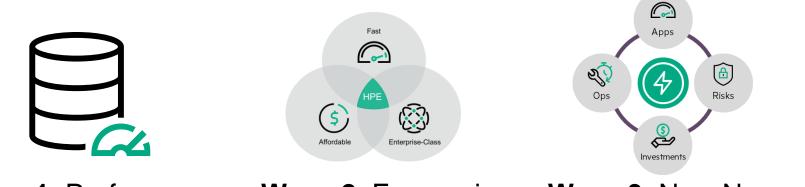
Q: In which of the following areas will your organization make the most significant investments over the next 12-18 months?



© 2017 VEEAM Software. Confidential information. All rights reserved. All trademarks are the property of their respective owners.

Enterprise Strategy Group

### We've All Seen Flash Evolve at a Record Pace



#### Wave 1: Performance Wave 2: Economics Wave 3: New Normal

#### **Niche Workloads**

Adding SSDs to existing storage arrays to increase performance for performance sake.

#### Mainstream

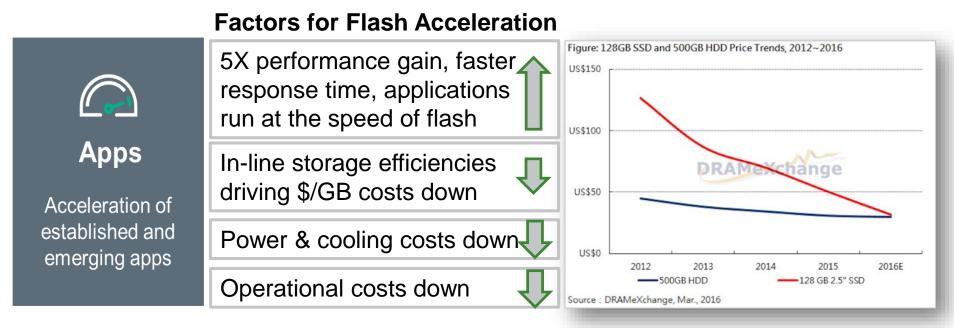
Increasing SSD capacities and adding data reduction technologies to further drive down the economics of flash.

#### **Flashanomics**

Flash is the default for critical apps. What does this mean for the rest of your data center infrastructure?

## **All-Flash Data Center Acceleration**

The economics are shifting, where flash storage is a requirement to stay competitive in business



## All-Flash arrays enable consolidation



Standard Arrays Limited data efficiency Unpredicable response time **All-Flash Array** Inline data efficiency Consistent response time Take away - Watch your basket Reduce Risk & Ensure Resiliency



Hewlett Packard Enterprise



Don't put all your eggs in one basket' is all wrong. I tell you 'put all your eggs in one basket, and then watch that basket.

(Andrew Carnegie)

izquotes.com

© 2017 VEEAM Software. Confidential information. All rights reserved. All trademarks are the property of their respective owners.

\*Respective capacity support available in 2H16

# When you update to All-Flash, you need to update your data protection to keep pace



66%

report that their digital transformation initiatives are being inhibited because of unplanned downtime or insufficient application Availability



organizations surveyed recognize they have a Protection Gap

1 in 4

servers suffer at least one unplanned outage each year

https://www.veeam.com/2017\_availability\_report\_wpp.pdf

© 2017 VEEAM Software. Confidential information. All rights reserved. All trademarks are the property of their respective owners.

## How do you reduce risk & ensure resiliency?

Reduce Risk

Maximize data loss avoidance by providing:



**High-Speed Recovery** - Accelerate the time to recover business applications



Data Loss Avoidance - Decrease or eliminate business downtime



Verified Recoverability - Recover critical business functions with confidence



**Leveraged Data** - Use your data to drive your business



**Complete Visibility** - Know the state of your IT business and proactively regulate

Ensure Resiliency Demand the following from your AFA:



99.9999% uptime guarantee



**5 year unconditional warranty** on all HPE SSDs with no services upsell



**Embedded data protection** with flash-integrated offload of snapshots

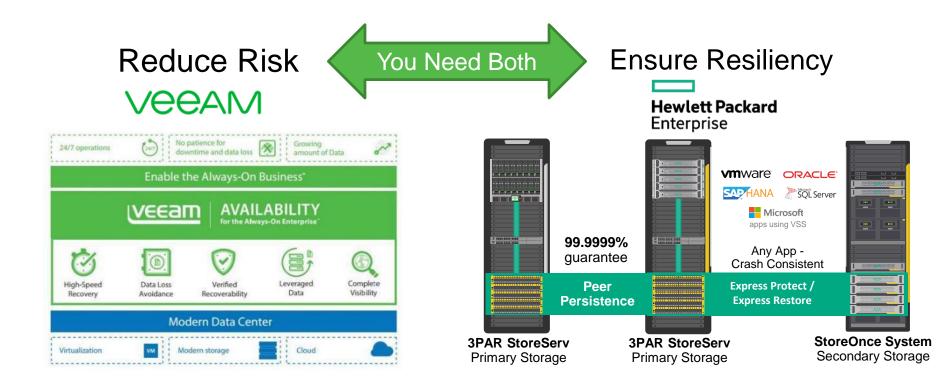


App and flash integrated availability with Peer Persistence



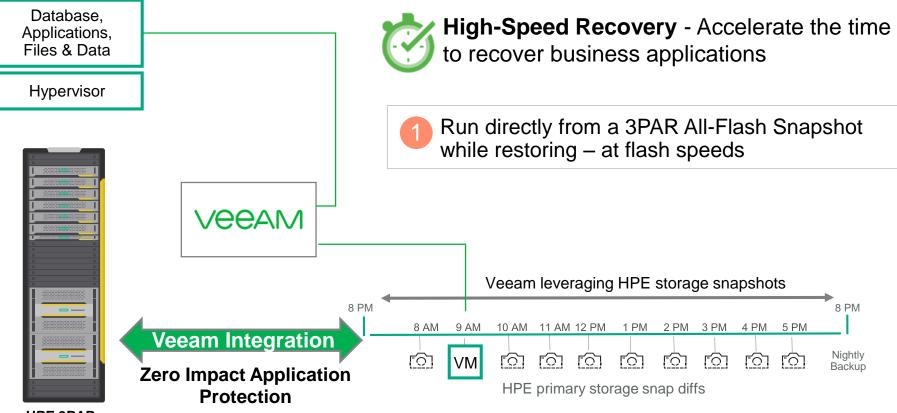
Low cost snapshot offload and secondary protection to StoreOnce

### How do you reduce risk & ensure resiliency?



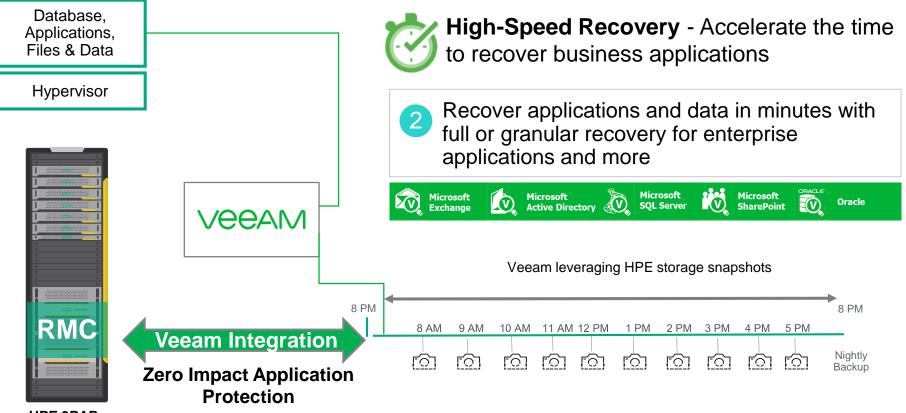
© 2017 VEEAM Software. Confidential information. All rights reserved. All trademarks are the property of their respective owners.

#### Reduce Risk - Veeam with HPE All-Flash Integration



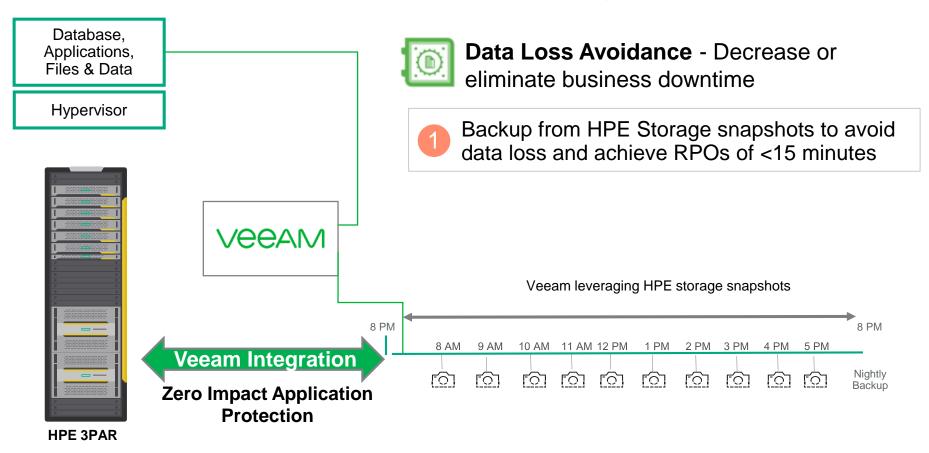
**HPE 3PAR** 

#### Reduce Risk - Veeam with HPE All-Flash Integration

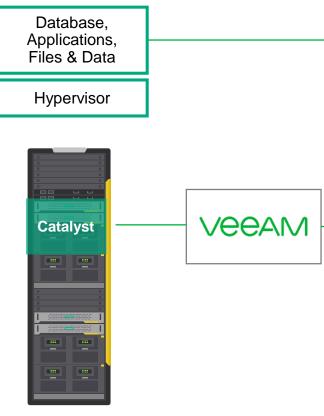


**HPE 3PAR** 

#### Reduce Risk - Veeam with HPE All-Flash Integration



#### Reduce Risk - Veeam with HPE StoreOnce Integration





**Data Loss Avoidance** - Decrease or eliminate business downtime



StoreOnce Catalyst integration for 20X performance gain for faster backups and restores



Leverages StoreOnce Catalyst to protect backups images from malicious attacks



Run VMs directly from StoreOnce Catalyst store to decrease application downtime

**HPE StoreOnce** 

Database. Applications, Files & Data Hypervisor VeeaM



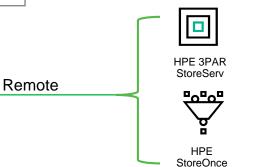
Data Loss Avoidance - Decrease or eliminate business downtime



Hardware agnostic virtual machine replication for DR or remote office



Offsite backup for archive compliance & DR





HPE StoreEver



HPE

StoreVirtual





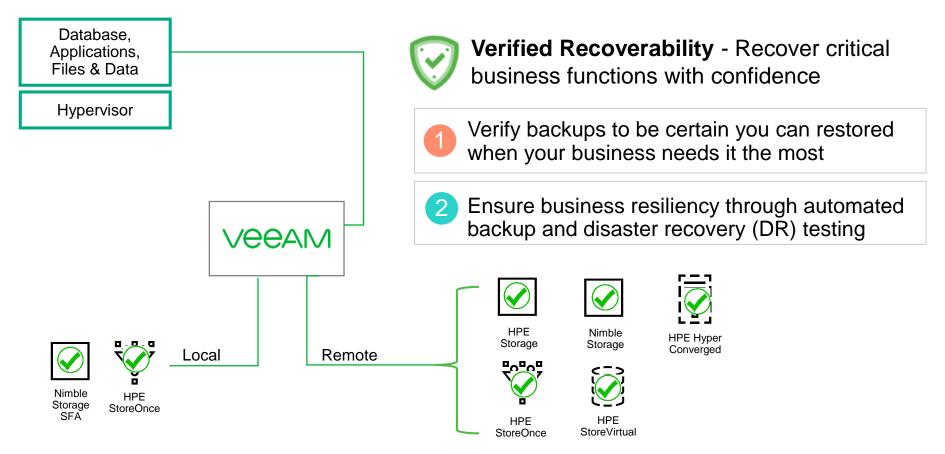


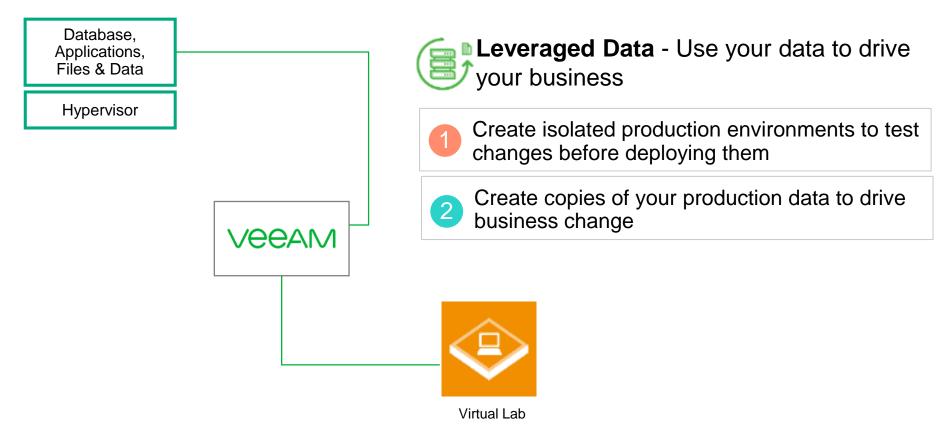
Ξi



Server

Ê





Database, Applications, Files & Data

Hypervisor





**Complete Visibility** - Know the state of your IT business and proactively regulate

1

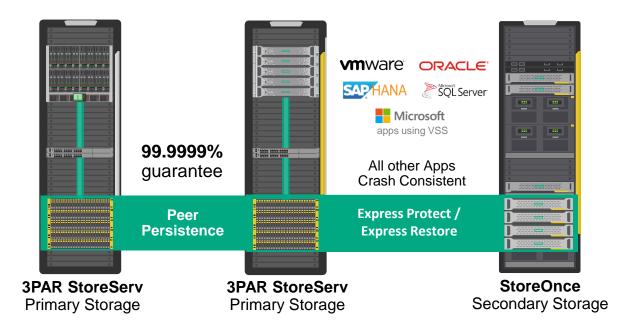
Detect issues in your IT environment before they impact the business



Complete visibility of your Veeam backup, VMware vSphere and Microsoft Hyper-V infrastructures, know you are protected

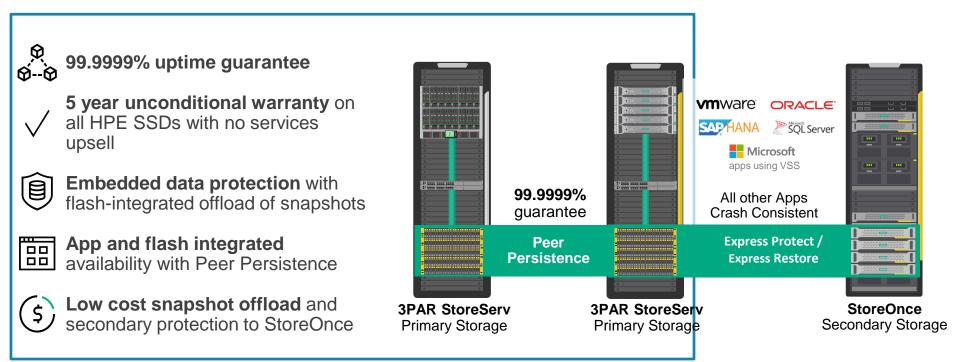
## Resilience without compromise

If you put your eggs all in one basket, it better be a good basket!



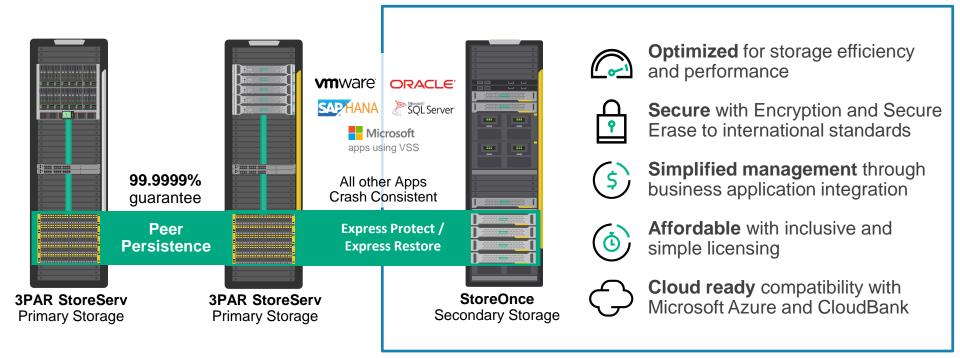
## Resilience without compromise

If you put your eggs all in one basket, it better be a good basket!



## Resilience without compromise

If you put your eggs all in one basket, it better be a good basket!



### Bring the best together for a complete solution

**Reduce Risk** 

Maximize data loss avoidance by providing:



**High-Speed Recovery** - Accelerate the time to recover business applications



Data Loss Avoidance - Decrease or eliminate business downtime



Verified Recoverability - Recover critical business functions with confidence



**Leveraged Data** - Use your data to drive your business



**Complete Visibility** - Know the state of your IT business and proactively regulate

Ensure Resiliency Demand the following from your AFA:



99.9999% uptime guarantee



**5 year unconditional warranty** on all HPE SSDs with no services upsell



**Embedded data protection** with flash-integrated offload of snapshots



App and flash integrated availability with Peer Persistence



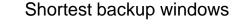
Low cost snapshot offload and secondary protection to StoreOnce

## Hold for customer session



© 2017 VEEAM Software. Confidential information. All rights reserved. All trademarks are the property of their respective owners.

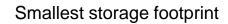
### Why HPE + Veeam Software?













Lowest server resource utilization



,8

₿÷₿

Best Licensing Costs

**Greatest Flexibility** 



# Thank you



Hewlett Packard Enterprise