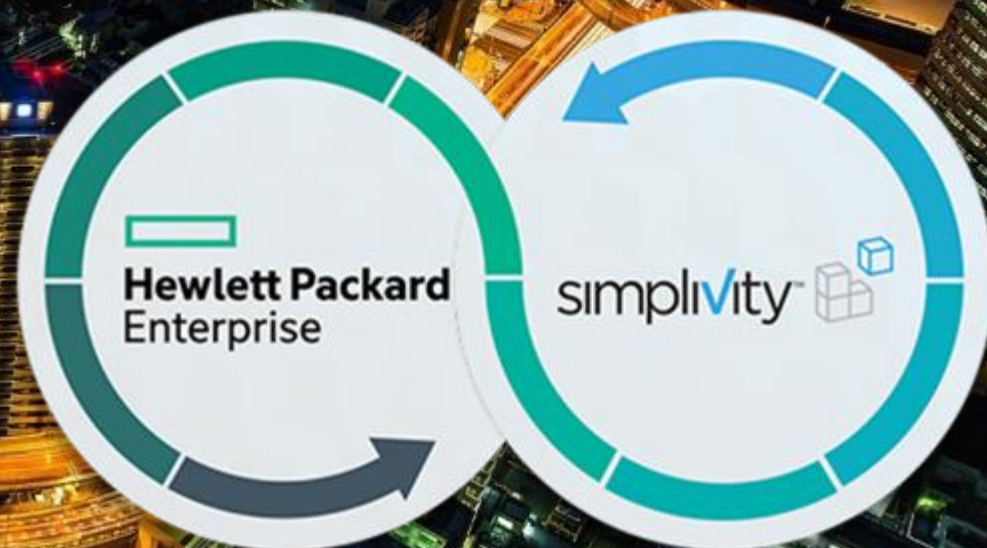


# 智慧融合平台 HPE SimpliVity

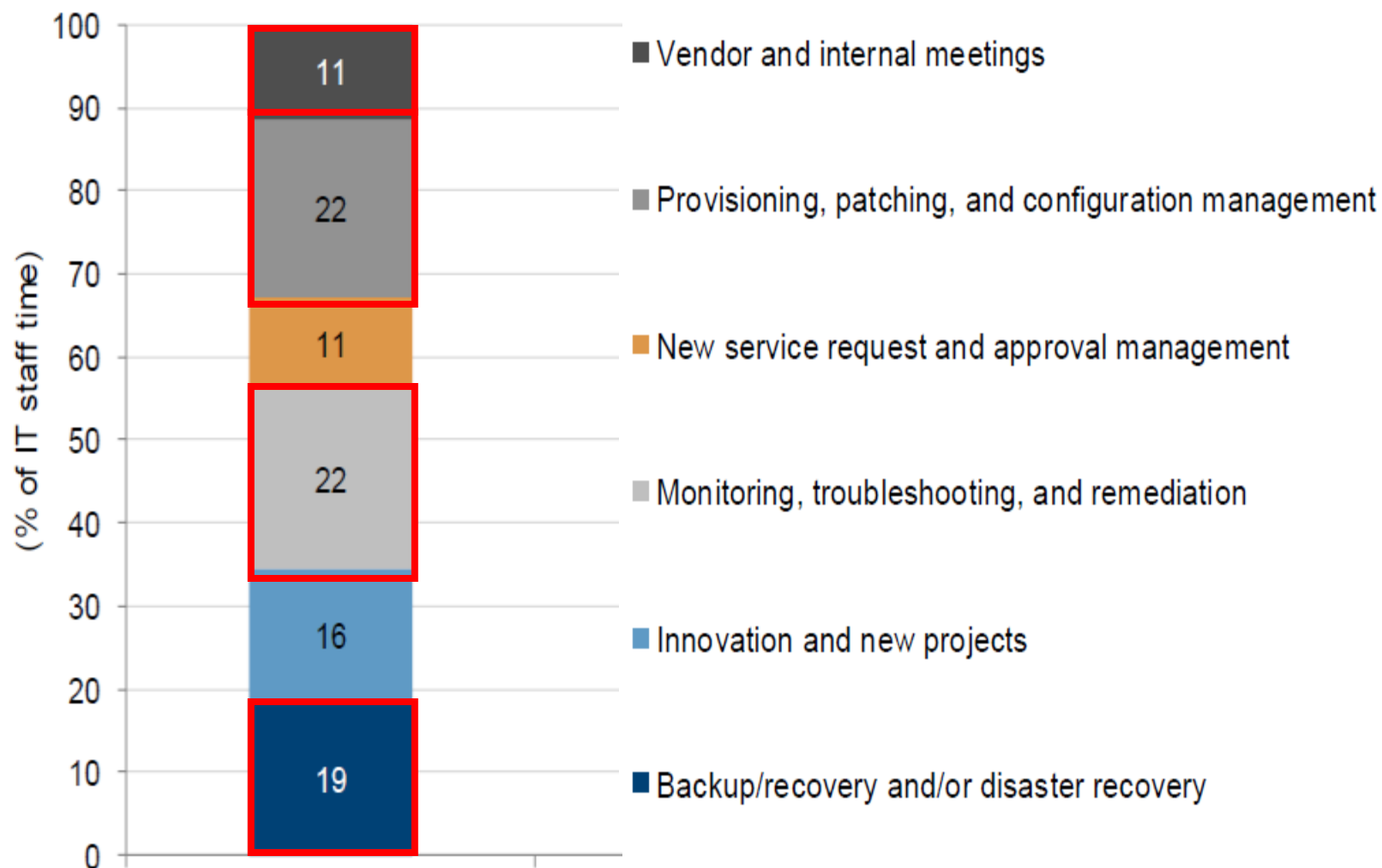
范欽輝  
HPE 技術規劃處





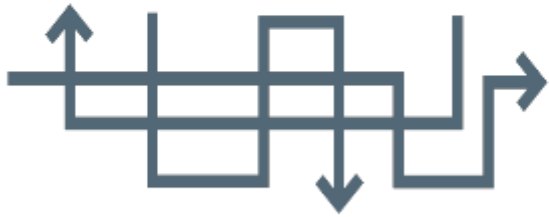
# CIO 面臨的挑戰

IT 人員工作花費的  
時間分配比例



# 如何建立一個更簡單、更彈性、更容易管理的整合性IT架構,來因應面臨挑戰

孤島式系統  
及複雜架構



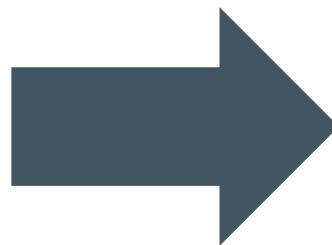
**Traditional IT** struggles with limited, divided resources that can't keep up with business demands

簡化及快速



**Today's idea-driven economy** calls for a simpler, faster virtualization solution

# 所謂的超融合(Hyper-converged)



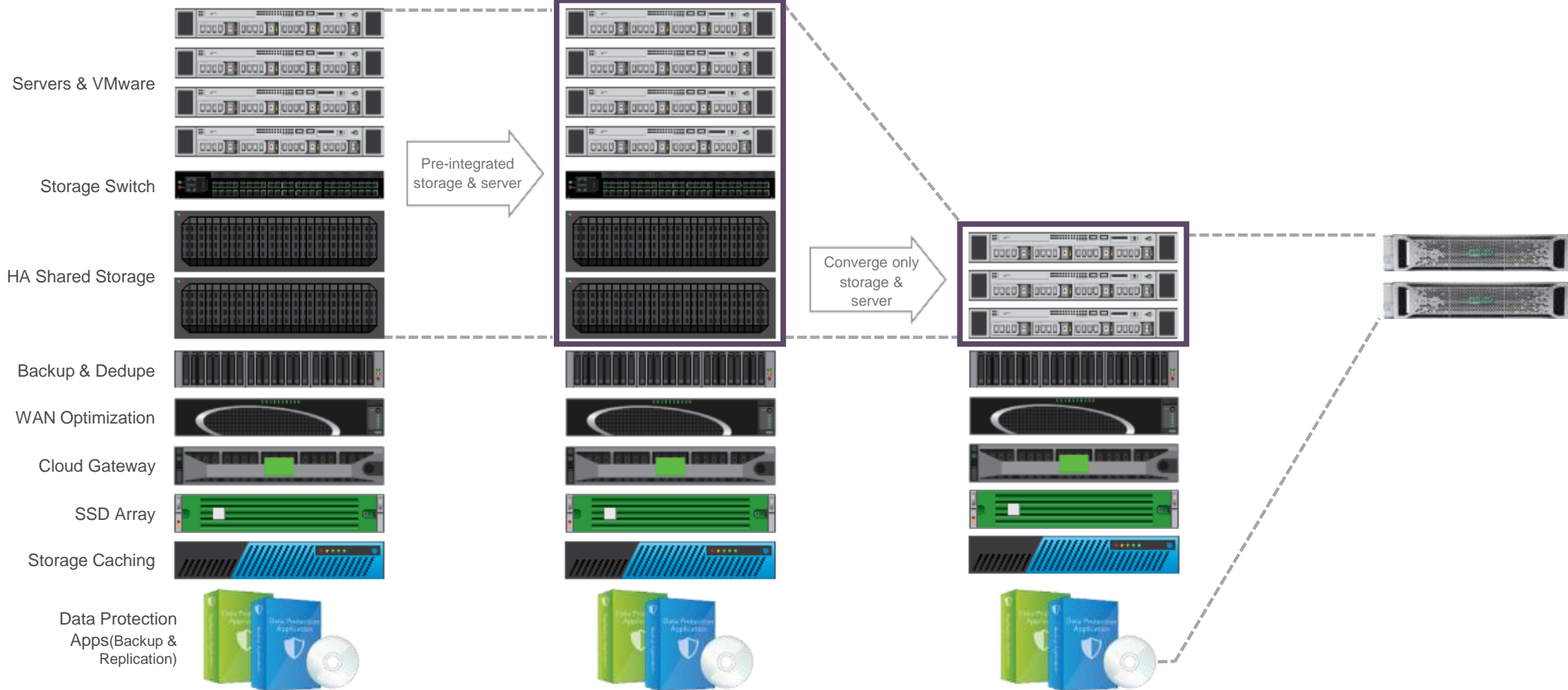
# 超融合的演變

傳統堆疊式

整合式系統

其他超融合系統

HPE 超融合系統 SimpliVity



# HPE Simplifies Applications and Data with HPE SimpliVity

## Fast



Innovative VM-centric management and mobility speed deployment and app performance to free IT to focus on their business

- **81% time** freed to focus on apps
- Effectively run **all virtualized workloads**
  - SQL Server, VDI, Collaboration, DevOps, Docker
- **88% of customers see dramatic app performance** improvement

## Powerful & Efficient



All IT infrastructure and advanced data services for virtualized workloads in a single building block and increase storage efficiency – guaranteed!

- **Under 1 minute** to backup or restore a 1 TB VM
- **Save 90% capacity across storage and backup combined**
- **Reduce costs** by 69%\*

## Multi-Cloud



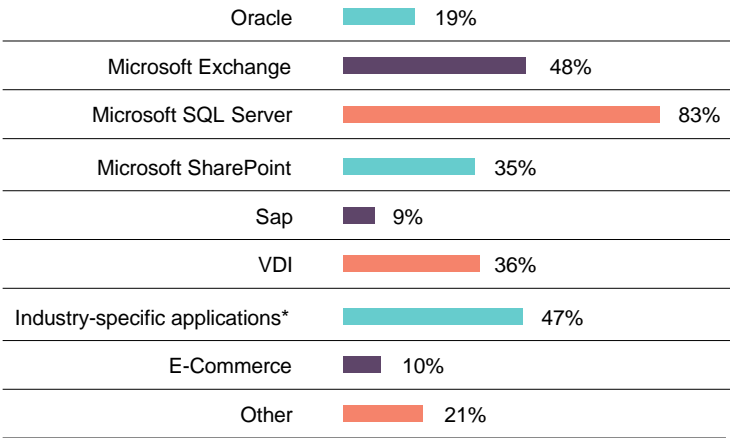
Transform your VM environment into an enterprise cloud that delivers cloud-like speed, operations and economics across all your private clouds.

- Support for **both VMware and Hyper-V** private clouds
- Deploy apps and manage VMs in minutes with **a few clicks**

\* HPE SimpliVity versus legacy IT

# Independently validated usage data

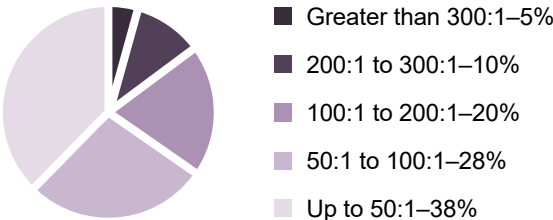
## 線上系統運行在HPE SimpliVity 平台架構



Majority of customers run  
**>75%**  
of virtualized workloads on HPE SimpliVity

## HPE SimpliVity enables dramatic efficiency

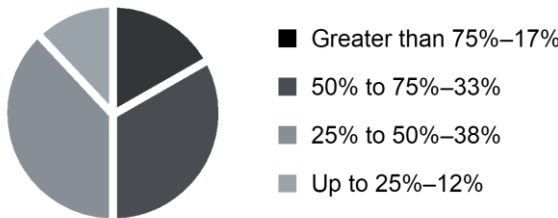
Since deploying HPE SimpliVity, what efficiency benefits have you realized or what do you expect to realize regarding IO and capacity savings?



>1/3 with  
**>100:1**  
Data Efficiency

## HPE SimpliVity provides dramatic application performance improvements

Since deploying HPE SimpliVity, how much have you improved or do you expect to improve performance?



1/2 see  
**>50%**  
Performance Improvements

\*e.g. 911 system, healthcare application, legal case management, CAD/CAM, etc.  
Source: TechValidate, IDC, and internal research

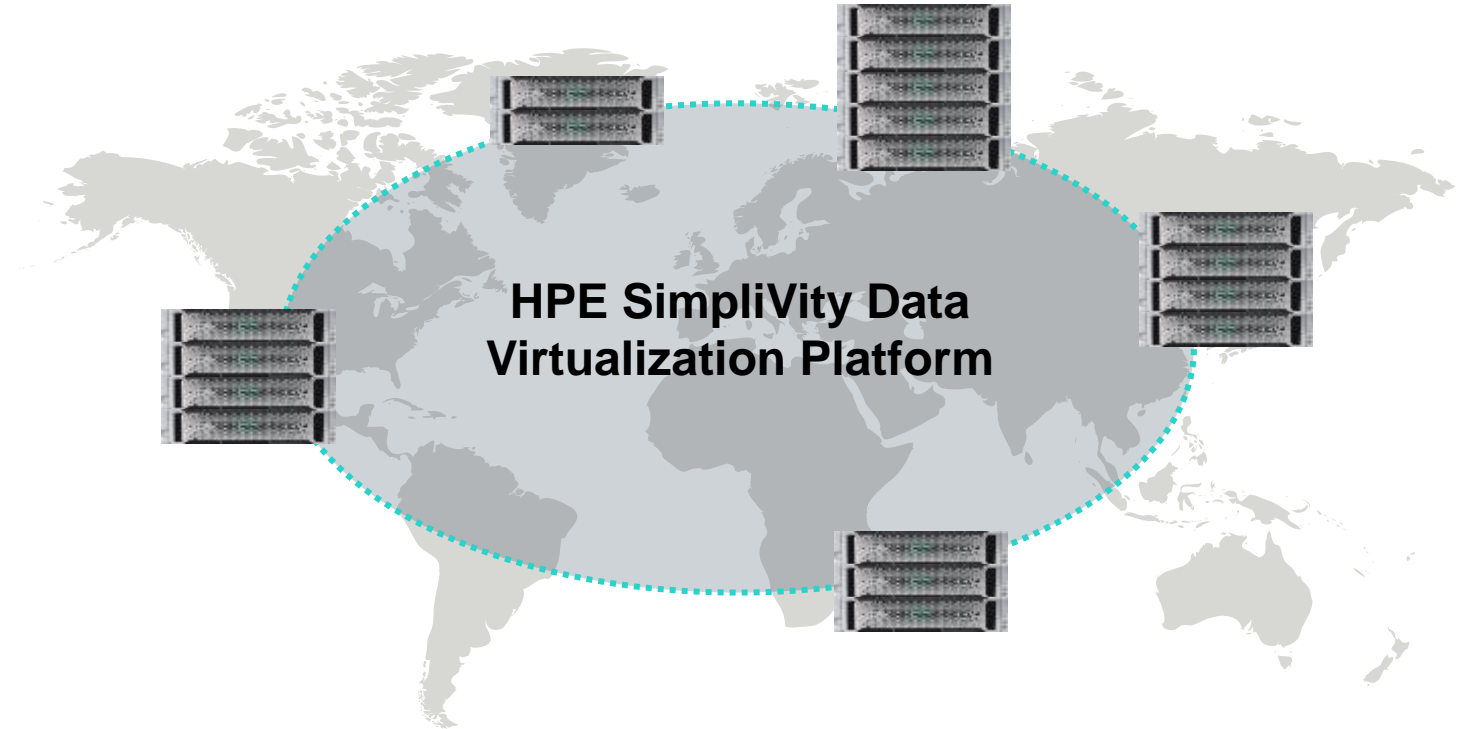
# HPE SimpliVity 資料虛擬化平台

A modern data architecture - Data Virtualization Platform

保證資料效率

內建自我修復、備份、  
災難備援功能

以VM 為中心全域式的管理機制



- Manage resources in a federated pool
- Seamlessly move data across sites
- Eliminate islands



# HPE SimpliVity 資料虛擬化平台

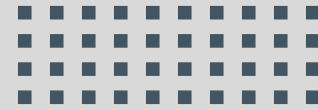
A modern data architecture - Data Virtualization Platform



## 保證資料效率

- Always-on 資料壓縮及重複資料刪除功能
- 資料處理硬體加速卡
- 保證節省 90% 資料空間 在 Primary Storage 及備份空間

40:1



HPE SimpliVity customers average **40:1 data efficiency** and half see greater than 50% performance improvements



# HPE SimpliVity 資料虛擬化平台

A modern data architecture - Data Virtualization Platform

## 內建自我修復、備份、 災難備援功能

- 近乎不增加Loading 全備份
- 保證 60 秒 回存 1TB VM
- 縮短 RTOs and RPOs 從數小時到數秒
- 簡單、付得起的 DR 功能
- 存2份資料 + HW RAID 資料保護

# 51%

of customers using HPE SimpliVity built-in data protection **retired existing third-party backup or replication** (IDC)\*

# 70%

**improvement in backup/recovery and DR** reported by HPE SimpliVity customers (IDC)\*

# 57%

of HPE SimpliVity customers **reduced recovery times** from days or hours to minutes (TechValidate)\*\*

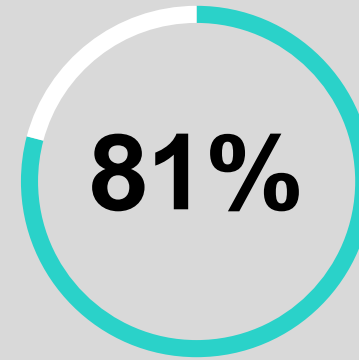


# HPE SimpliVity 資料虛擬化平台

A modern data architecture - Data Virtualization Platform

## 以VM 為中心全域式的 管理機制

- Policy-based, VM-centric management
- No LUNS, shares, or volumes
- Right-click operations
- Native tool integration
- Single view of all data centers and ROBOs

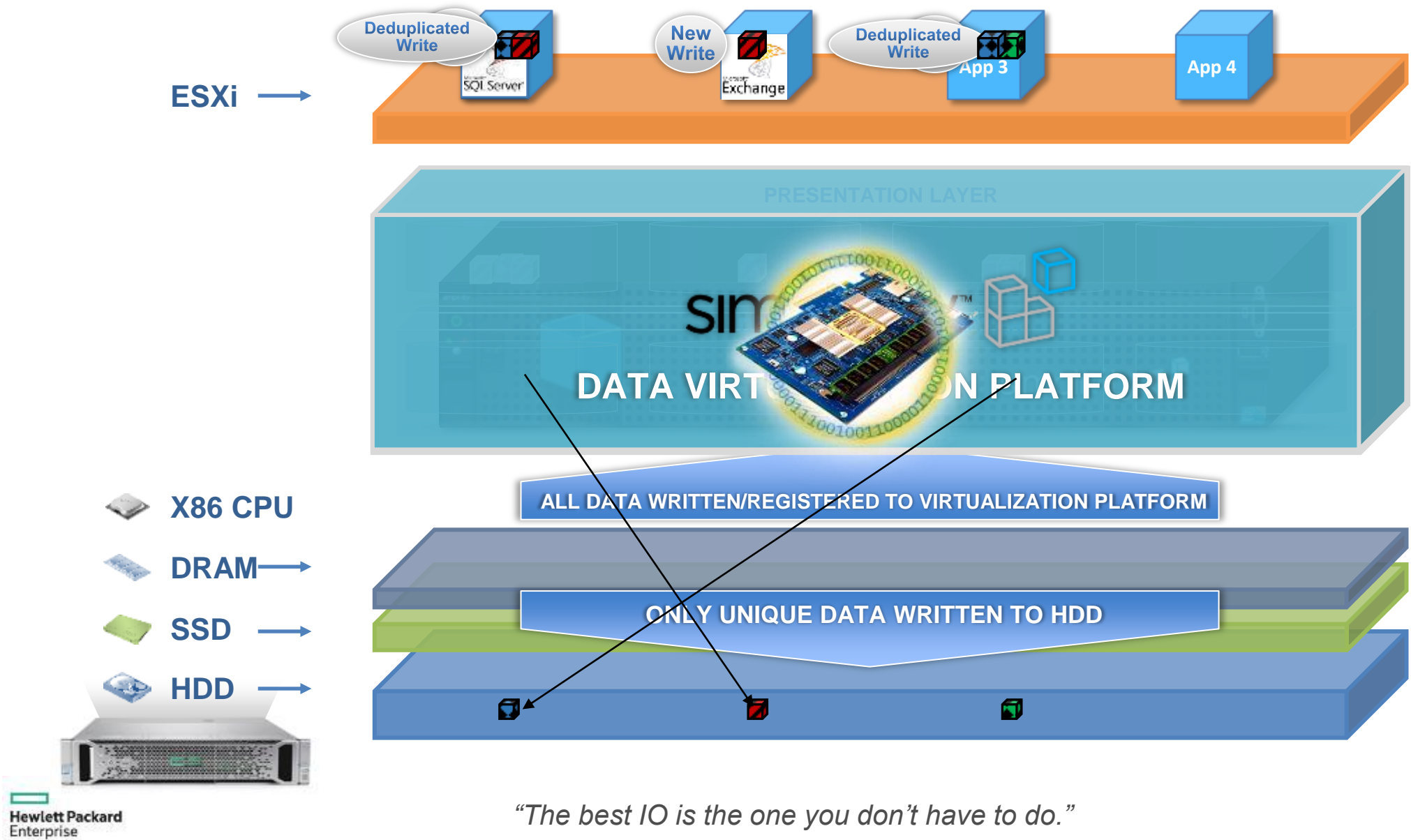


81% increase in time spent on new projects

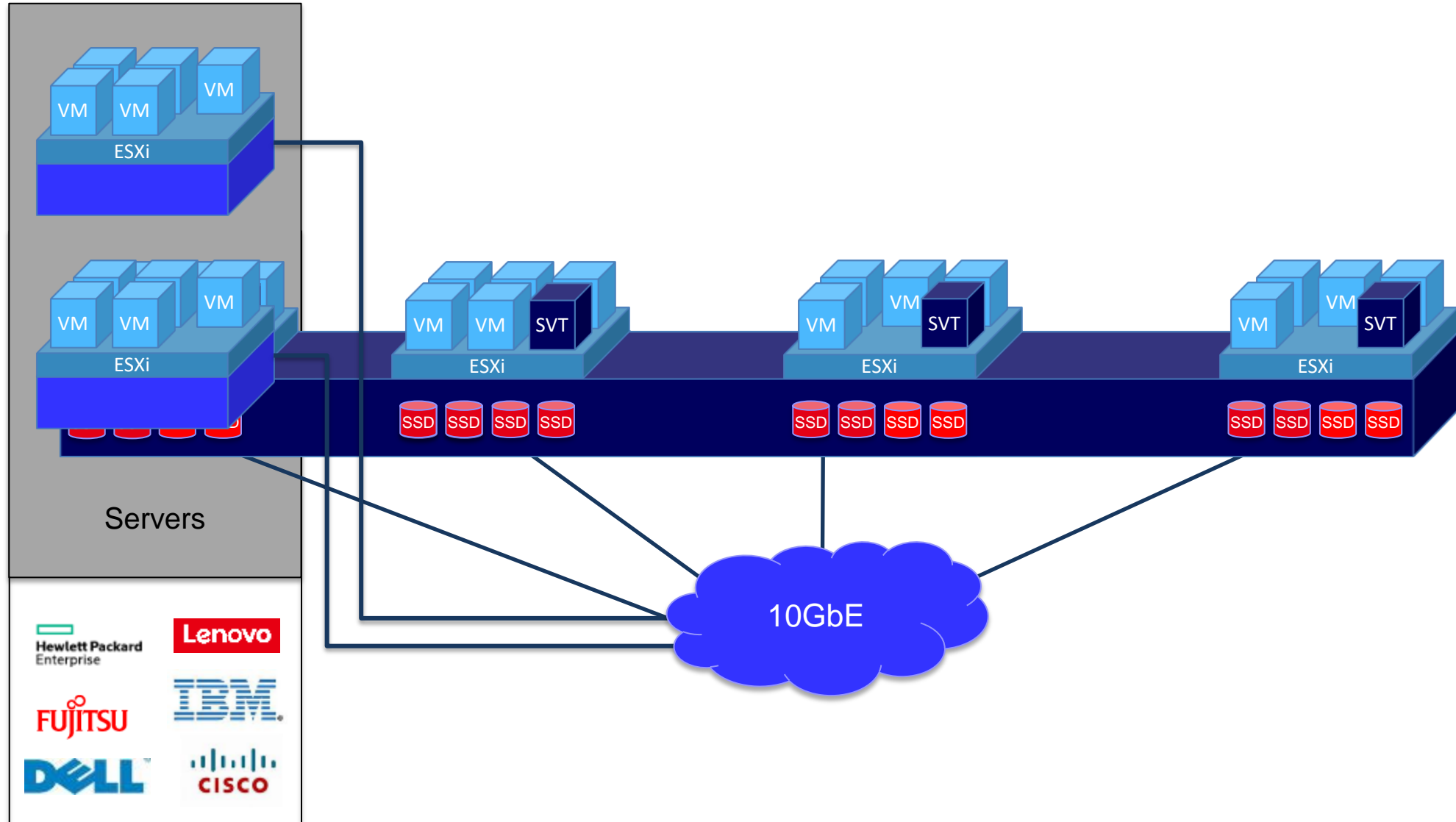




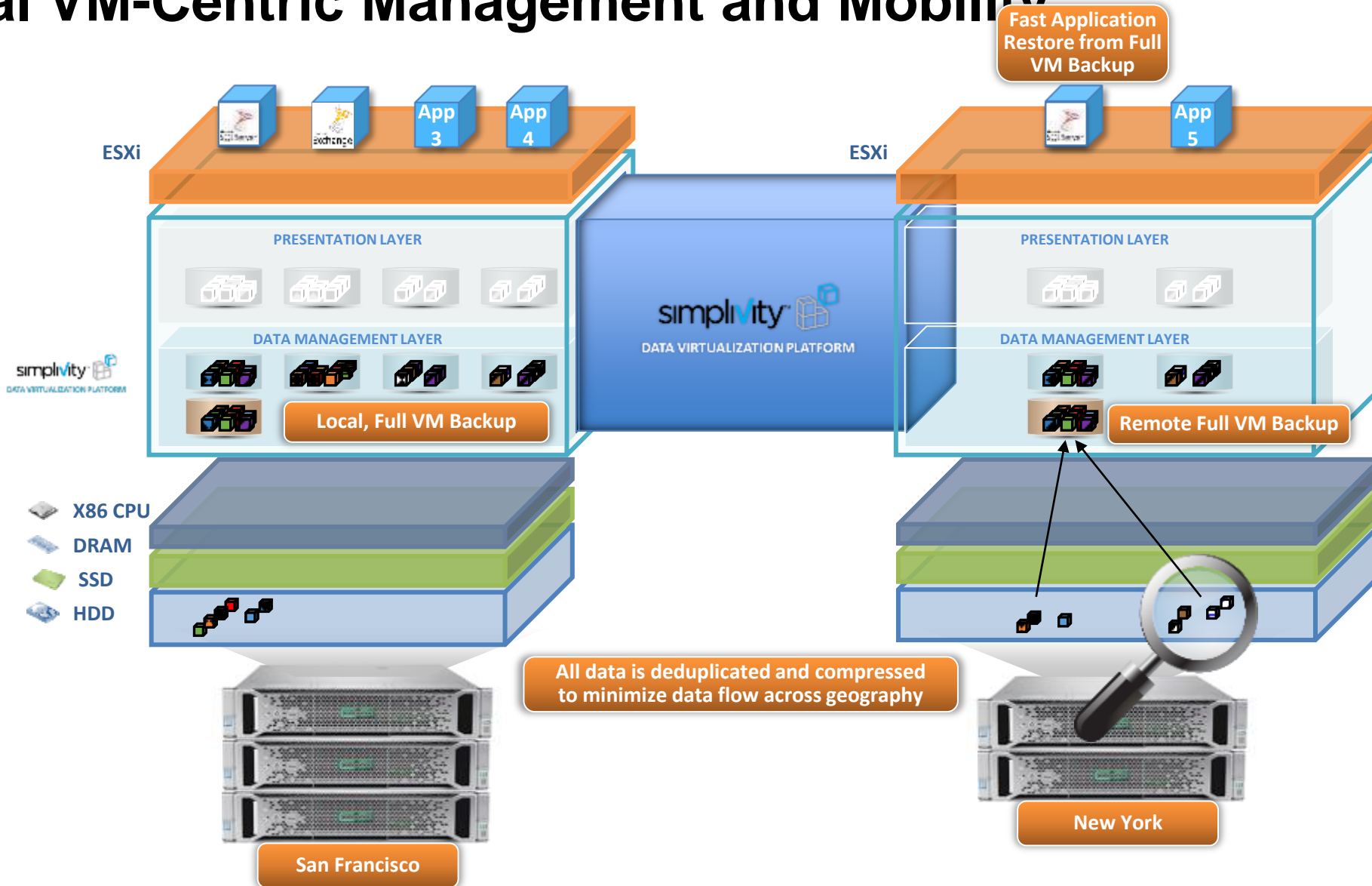
# SimpliVity's Data Virtualization Platform



# Scale-Out and Open Architecture



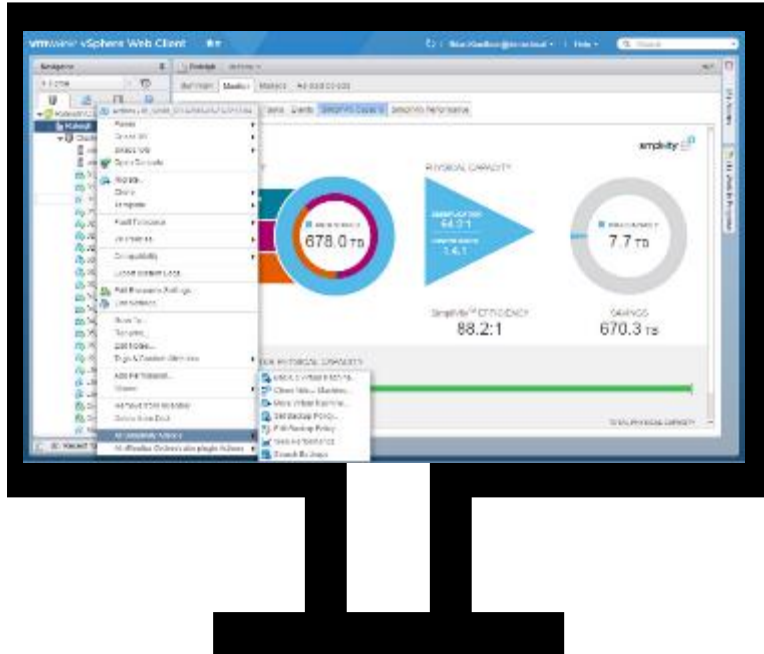
# Global VM-Centric Management and Mobility



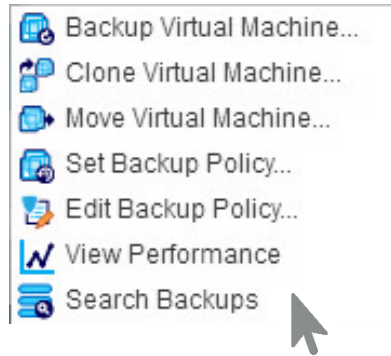


# 虛擬機為中心的管理

Alignment of data to VMs managed through vCenter



Just a few clicks to...



- Simple, intuitive interface
- No LUNs, shares, or volumes
- Empowers IT generalists and VM admins
- Familiar tools and interfaces like vCenter, vRealize



Over half (57%) of customers benefitted from an average of

# 53%

increase in **staff productivity**

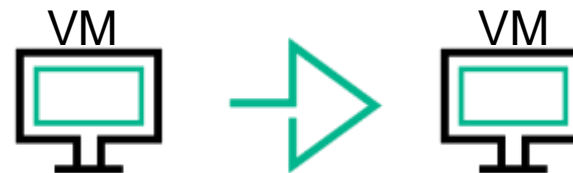
# 瞬間備份和資料恢復

HPE SIMPLIVITY  
HYPERGUARANTEE



## Hyper Protected

**60 seconds or less**  
on average for local backup  
or restore of a 1TB VM



Powered by HPE SimpliVity's unmatched data efficiency  
Full logical backups in seconds  
Application-aware backups and file-level restore RPOs of minutes, RTOs of seconds

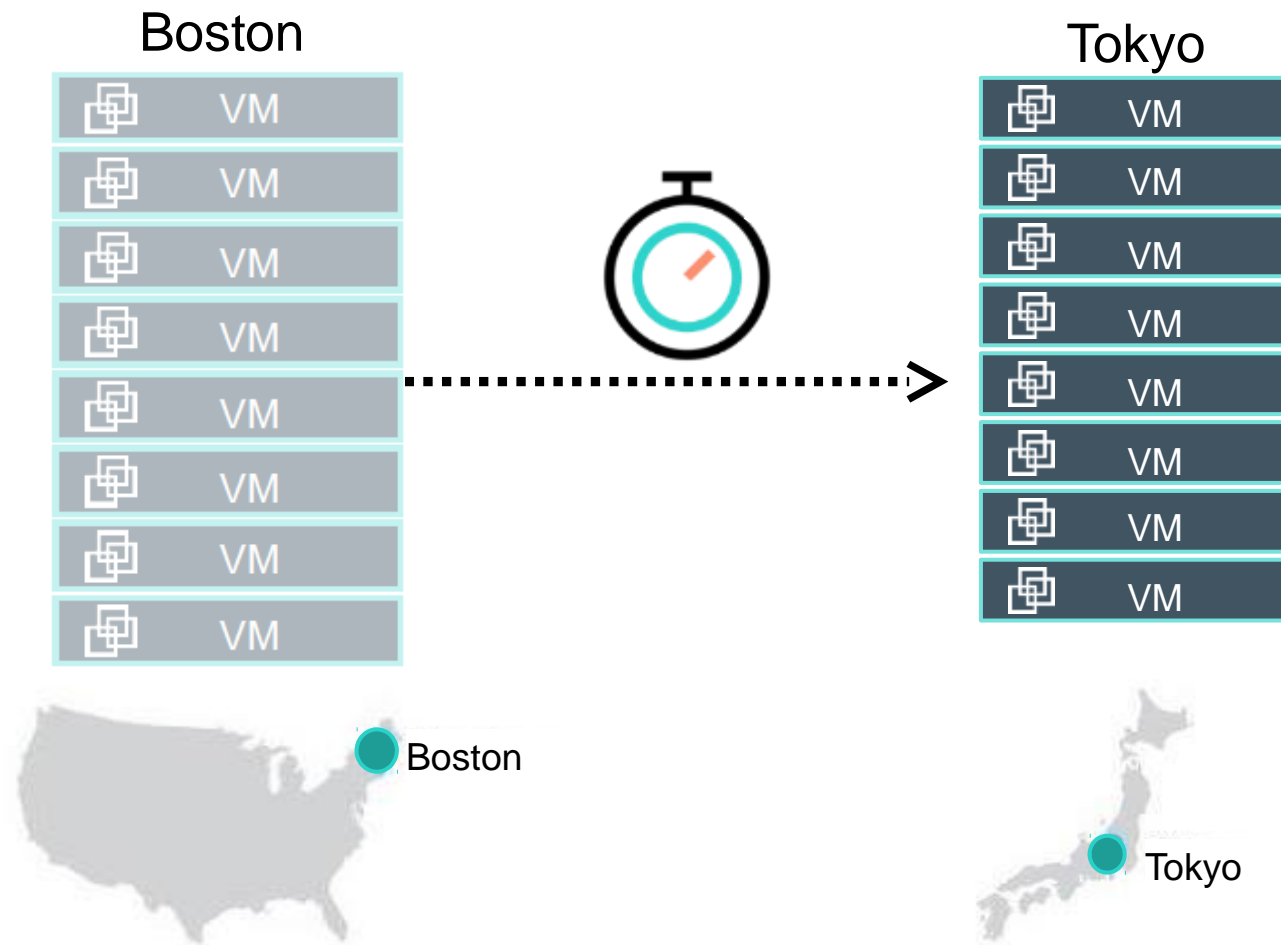
# 簡單高效的異地災難恢復

**WAN-efficient remote backups**

**Global VM-centric management**

**Rapid recovery at DR site**

**Choice of HPE SimpliVity cloud service providers for DRaaS**





# HPE SimpliVity 三大特點



全時資料去重覆及壓縮  
提升儲存效率



內建資料備份備援方案  
簡化備份還原作業



簡易的操作  
全域**VM**導向管理作業

- **Always-on** compression and deduplication
- All data at inception, globally
- Offloaded to **OmniStack Accelerator**
- Guaranteed 90% capacity savings across primary storage and backup

- **Full logical backups** with near zero overhead
- Guaranteed **60-second restore of 1TB VM**
- Granular RTOs and RPOs from hours to seconds
- Simple, affordable offsite DR

- **Policy-based, VM-centric management**
- No LUNS, shares, or volumes
- Right-click operations
- Native tool integration
- Single view of all data centers and ROBOs



**Hewlett Packard**  
Enterprise

# Thank you

[www.hpe.com/info/simplivity](http://www.hpe.com/info/simplivity)