

#### Sergei Butenko District Manager EMC



**EMC<sup>2</sup>** 











# Cloud **Big Data** RUS





Mobile Cloud Big Data Social **Mobile Devices** 



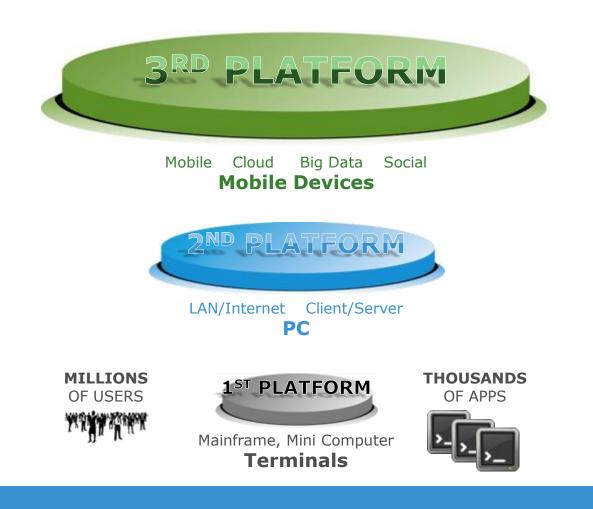
LAN/Internet Client/Server PC



Mainframe, Mini Computer **Terminals** 

Source: IDC, 2012

EMC<sup>2</sup>

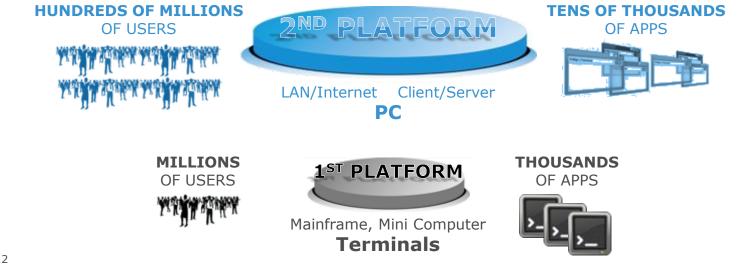


EMC<sup>2</sup>

Source: IDC, 2012

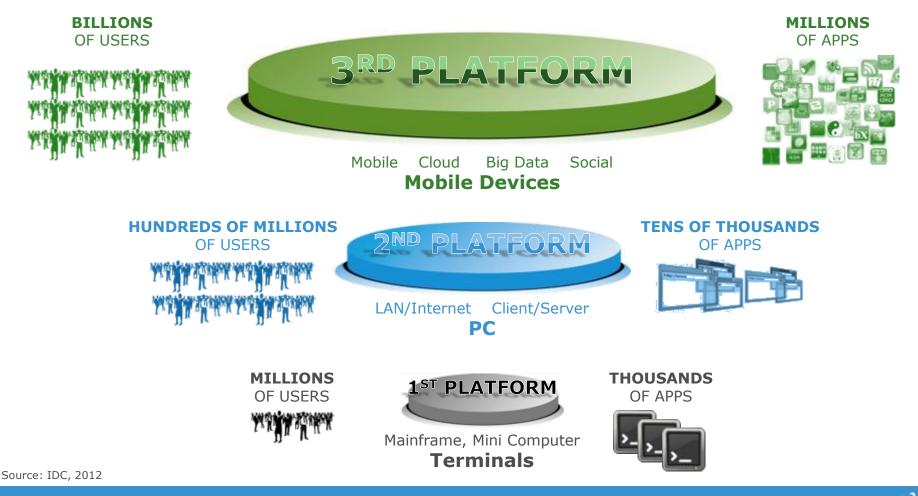


Mobile Cloud Big Data Social **Mobile Devices** 

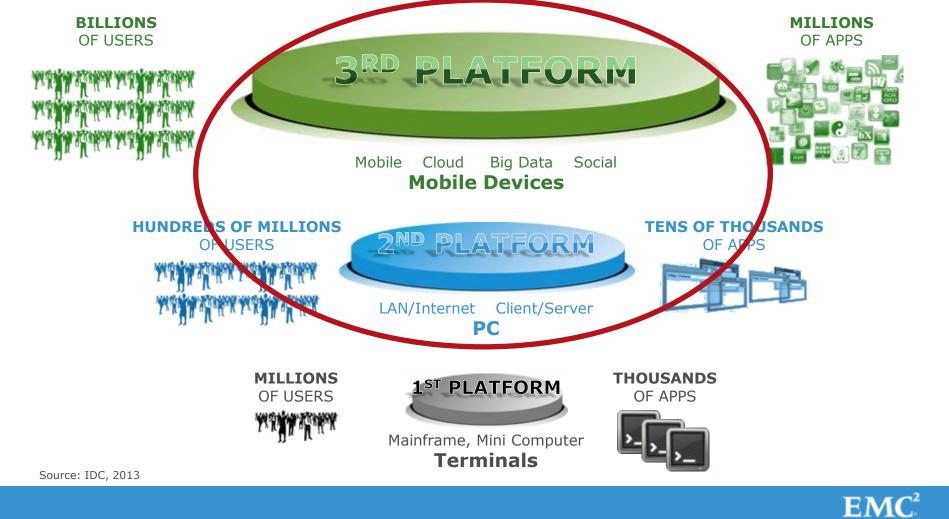


EMC<sup>2</sup>

Source: IDC, 2012



**EMC**<sup>2</sup>









# EMC<sup>2</sup> vmvare<sup>®</sup>

## **RSA**<sup>®</sup> **Pivotal**



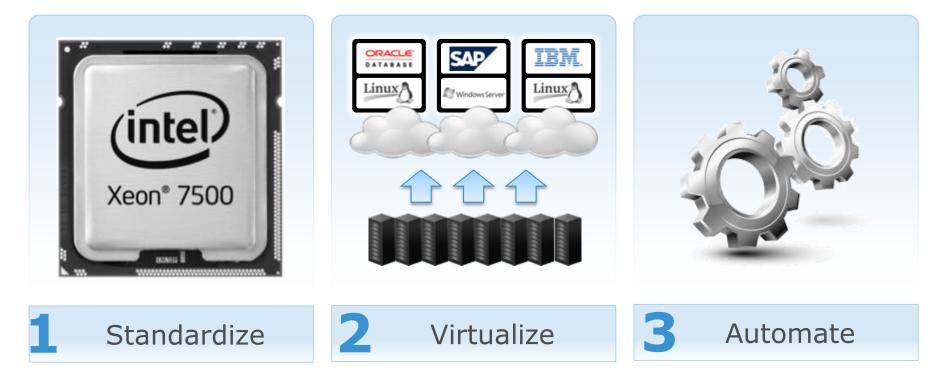
### **EMC<sup>2</sup>**: A Unique Federation Of Businesses

Focused and Free to Execute on their Mission, Strategically Aligned

Pivotal	Paul Maritz	PLATFORM FOR CLOUD & BIG / FAST DATA APPLICATIONS
<b>vm</b> ware <sup>,</sup>	Pat Gelsinger	SOFTWARE-DEFINED DATA CENTER HYBRID CLOUD END USER COMPUTING
<b>EMC</b> II	David Goulden	INFORMATION STORAGE & PROTECTION INFORMATION SECURITY INFORMATION INTELLIGENCE



#### **Cloud Transforms IT Infrastructure**





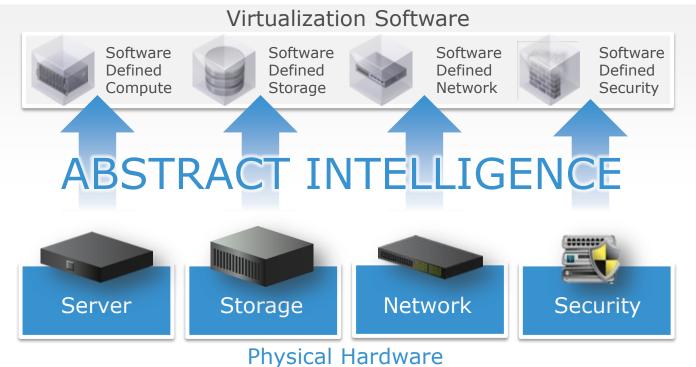
#### **SOFTWARE-DEFINED DATA CENTER**

ALL INFRASTRUCTURE IS VIRTUALIZED AND DELIVERED AS A SERVICE, AND THE CONTROL OF THIS DATA CENTER IS ENTIRELY AUTOMATED BY SOFTWARE.



#### The Software-Defined Data Center

Abstract, Pool And Automate



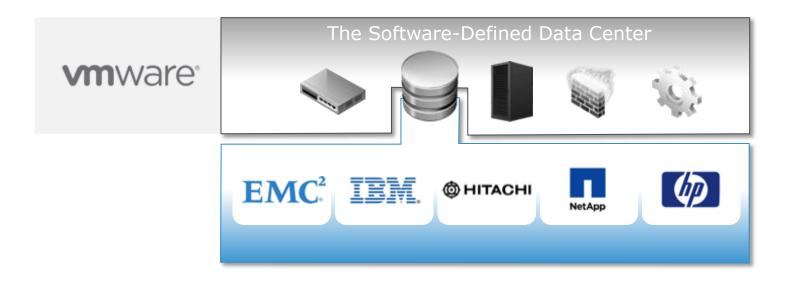


Clean Separation Between Infrastructure & Virtualization Layers



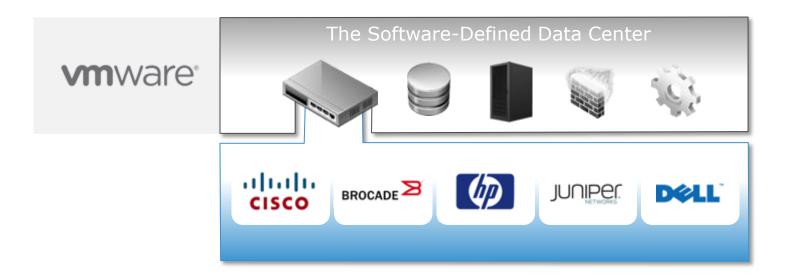


Clean Separation Between Infrastructure & Virtualization Layers



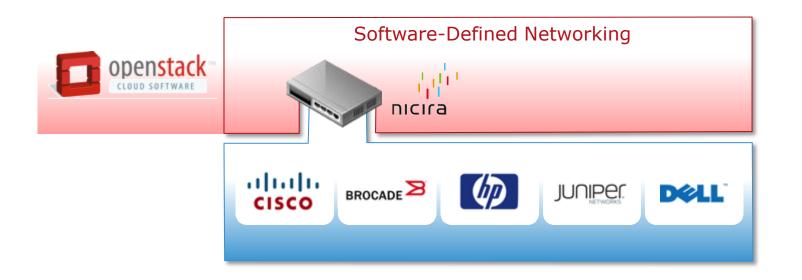


Clean Separation Between Infrastructure & Virtualization Layers



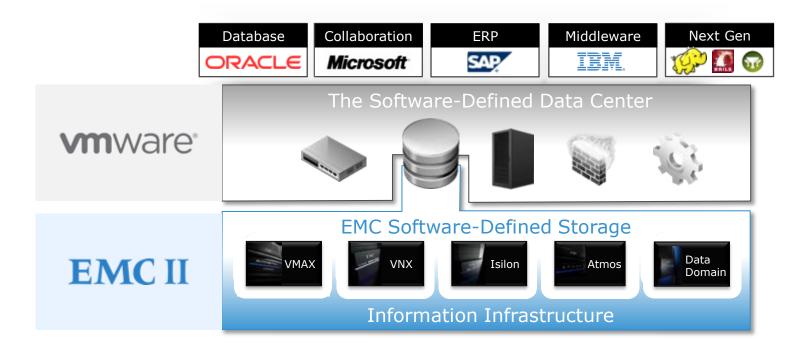


Clean Separation Between Infrastructure & Virtualization Layers



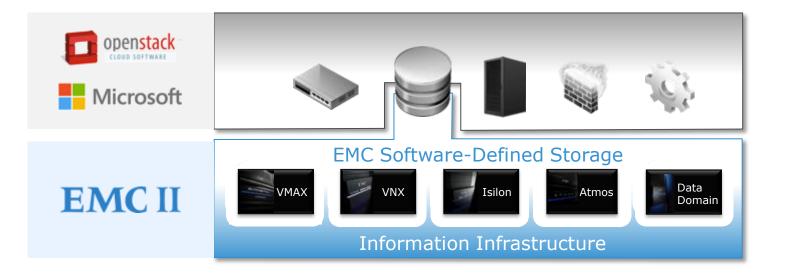


#### "Horizontal" Architecture Provides Choice Open & Runs <u>ANY</u> Application





EMC Software-Defined Storage Integrates With Hyper-V & OpenStack





#### VCE Is The Integrated Systems Leader Integrated Infrastructure Systems



......

**vm**ware

**EMC**<sup>2</sup>

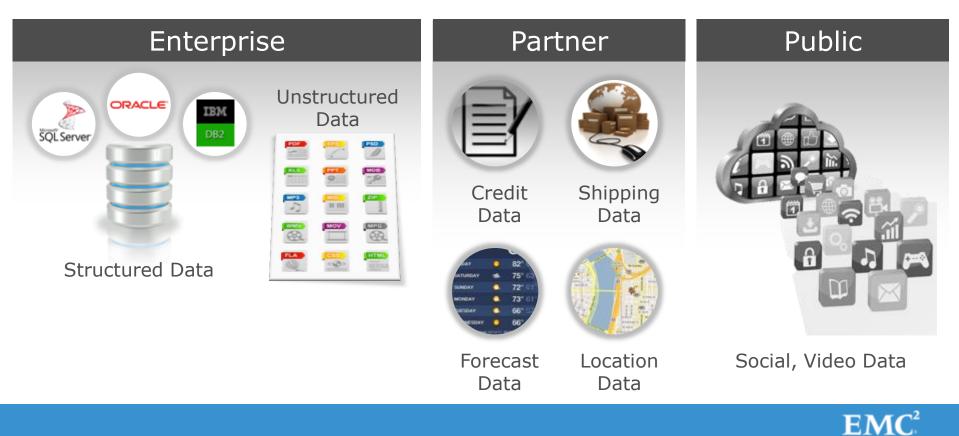
Source: Gartner - Market Share Analysis: Data Center Hardware Integrated Systems, 1Q11-2Q12, 30 Nov 2012 G00239623; 6 quarters

### BIG DATA TRANSFORMS BUSINESS





#### Location & Types Of Big Data

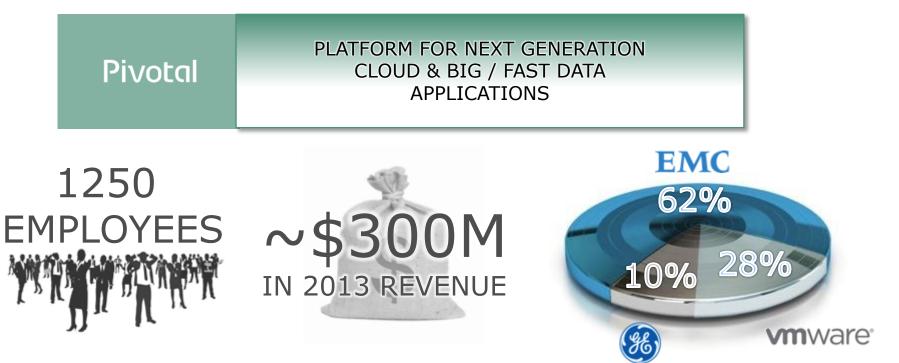


#### Location & Types Of Big (& Fast!) Data



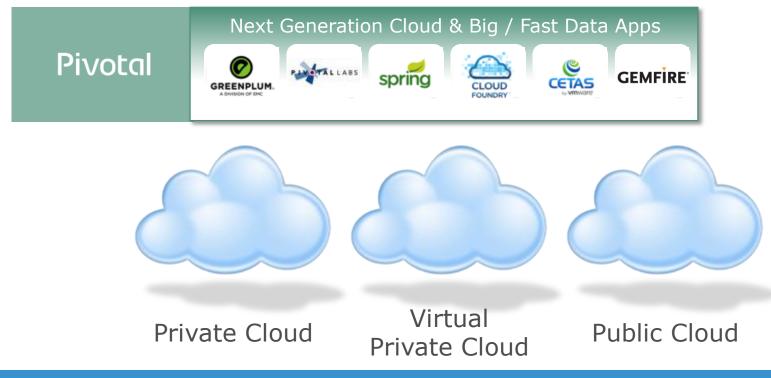


#### **Introducing Pivotal**





Private, Virtual Private & Public Cloud Deployment Options



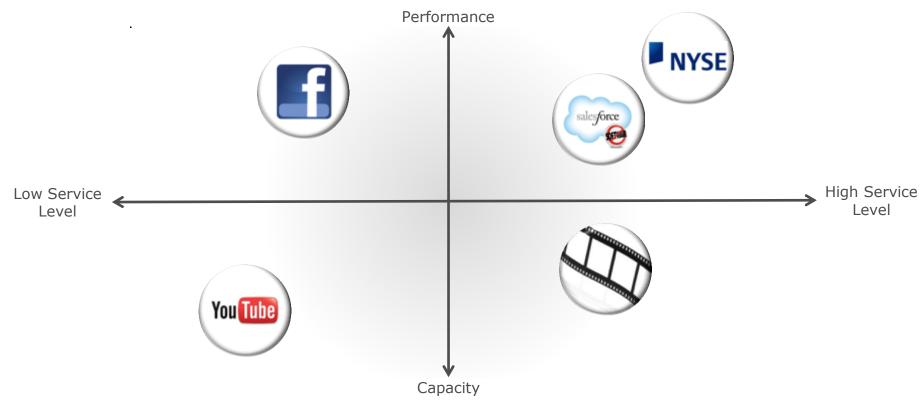


#### **Completing The Portfolio**



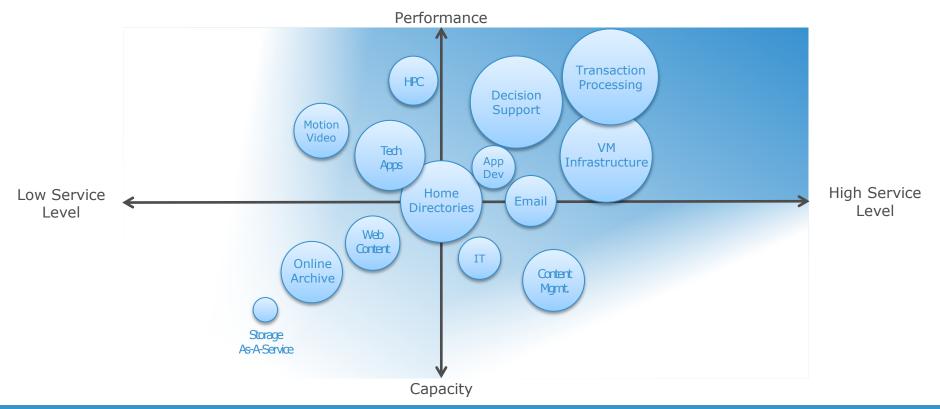


#### Workloads Will Drive Storage Innovation





#### Workloads Will Drive Storage Innovation



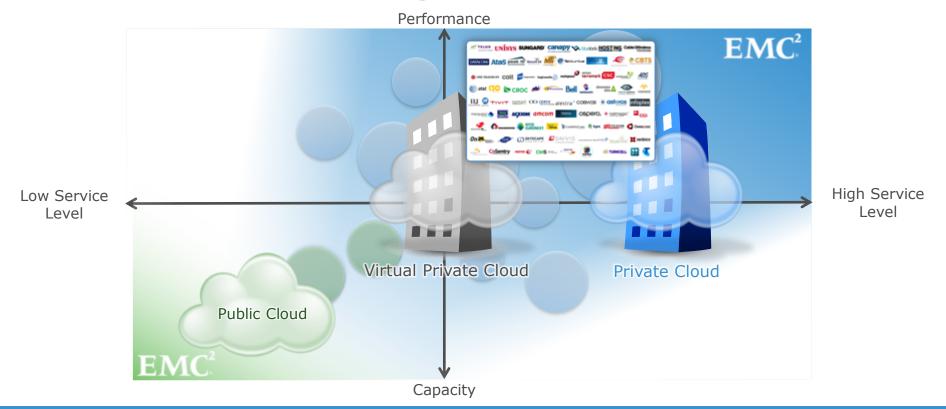


#### Our Strategy: Best Of Breed Storage & Backup



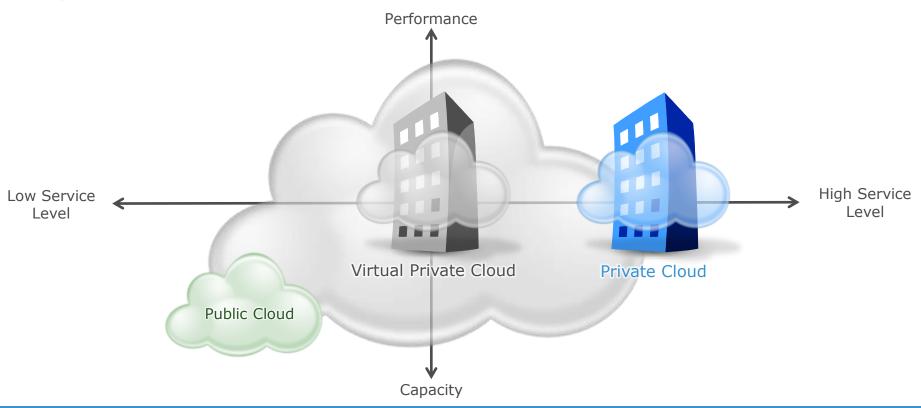


#### Workloads Will Migrate To Clouds





#### Hybrid Clouds Will Be Pervasive



**EMC**<sup>2</sup>



#### **EMC Software-Defined Storage**



#### VIRTUALIZE EVERYTHING COMPROMISE NOTHING



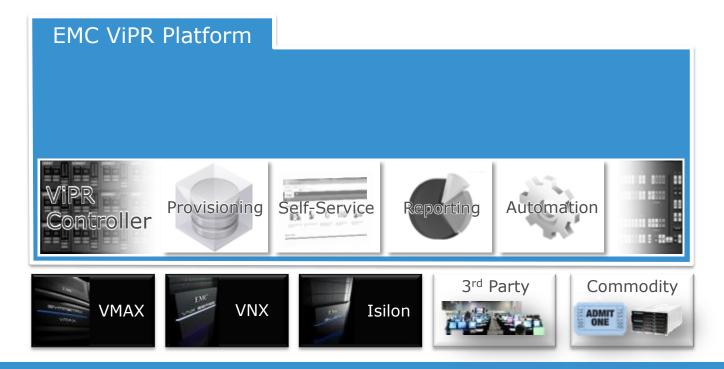
## EMC ViPR, Software-Defined Storage

Software Control Plane AND Data Plane

EMC ViPR Platform						
ViPR Data Services						
Vipr Controller						
VMAX VNX	Isilon	3 <sup>rd</sup> Party	Commodity			



#### EMC ViPR, Software-Defined Storage Control Plane : The EMC ViPR Controller





#### ViPR Controller: Provisioning

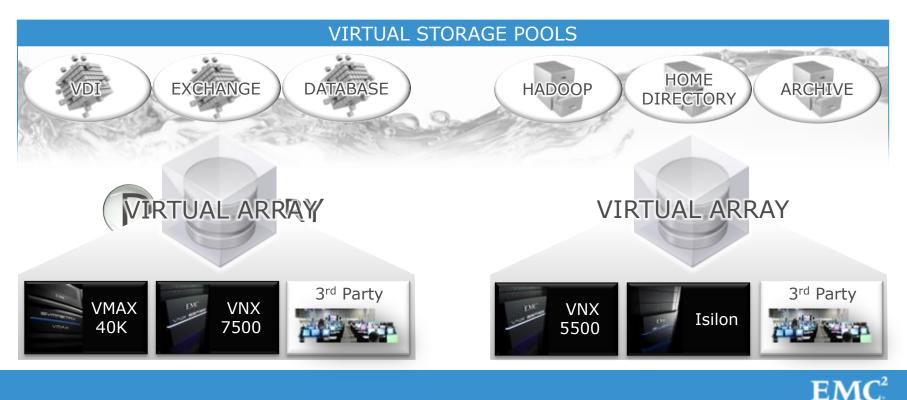
Step 1 : Discover Physical Storage Arrays



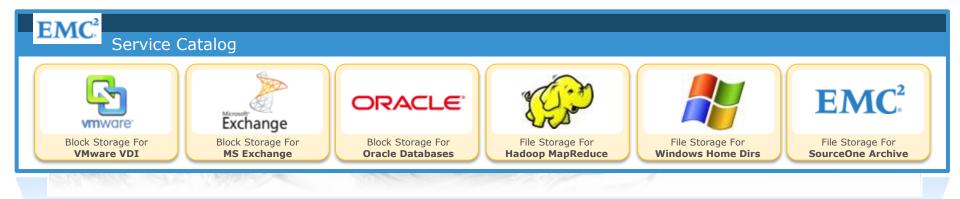


#### ViPR Controller: Provisioning

Step 2 : Create Virtual Storage Arrays & Virtual Storage Pools

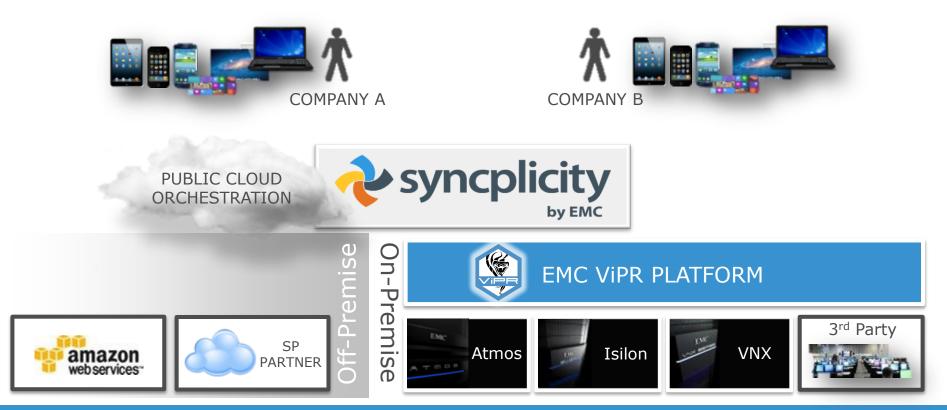


#### ViPR Controller: Self-Service Catalog





#### Use Case : EMC Syncplicity





### **Trusted IT Means**

Identifying & Repelling Threats Advanced Security

Protecting Data Integrated Backup & Recovery



Ensuring Availability Of Applications, Systems & Data Continuous Availability



#### EMC CAN HELP YOU LEAD YOUR TRANSFORMATION

**EMC**<sup>2</sup>

