The Journey to the Cloud!



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The world has changed...and moved on – THANK GOD!











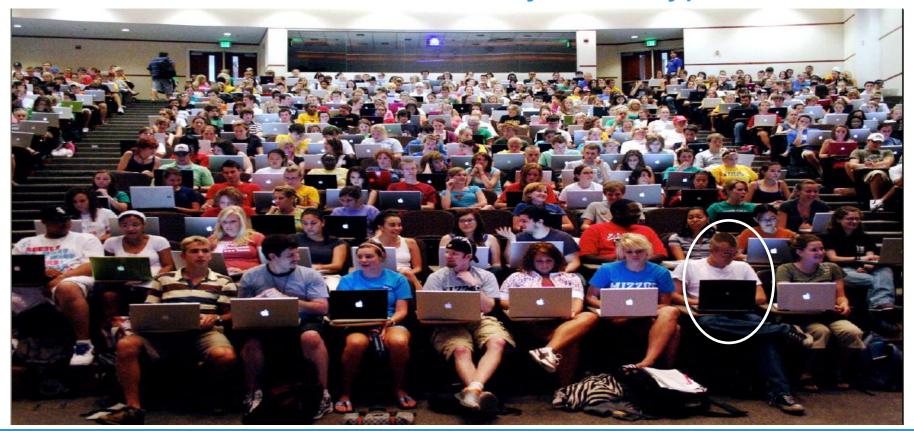


This is the past...lets not dwell on it!



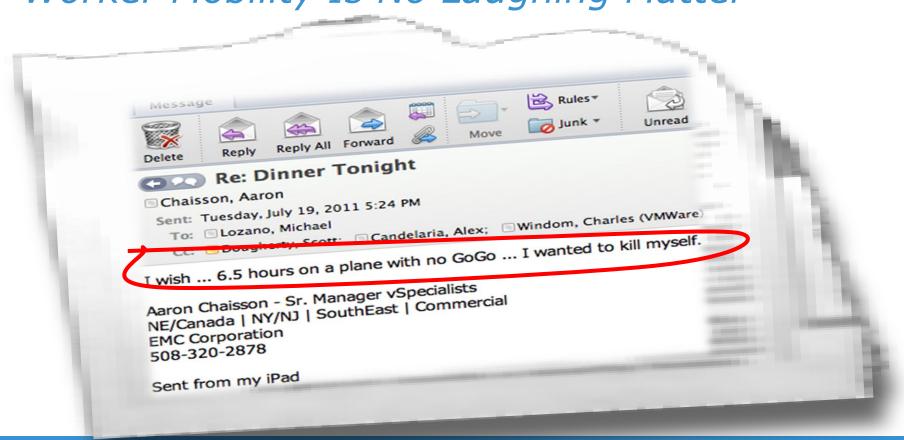


This is the future!....access anytime/anyplace





Worker Mobility Is No Laughing Matter





How much of our IT lives have changed?



Paying Attention? Quick Poll!!

- How many people in the audience have a Smart Phone?
- How many people in the audience have a tablet of some sort?
- How many people in the audience have a laptop?
- How many of you have used ALL 3 today already?





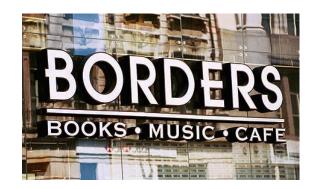




Yesterday...doesn't seem that far away!









Interesting Trends...



- Virtual servers surpassed physical servers in 2009...
- 50% of all IT budgets will go to SaaS providers and SP/Public clouds by 2016
- 50% of all storage will be in the cloud by 2016
- 52% of all X86 attached storage is attached to virtual servers today...

What Is Causing IT To Transform?



IT organizations
must now
learn to compete
for their internal
customers and halt
'shadow IT'



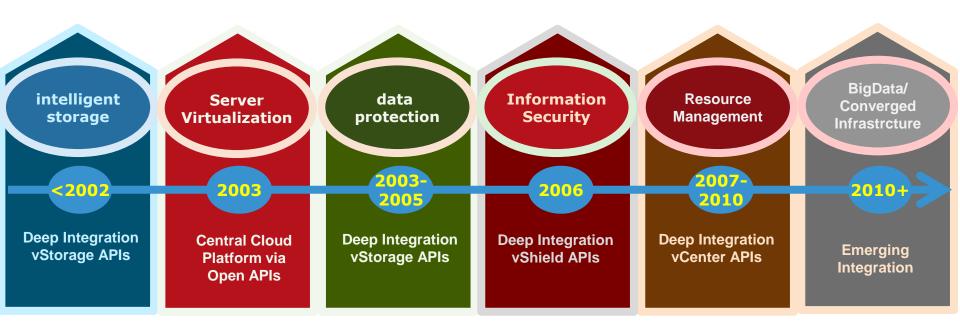
Sooooooo...If "Cloud" is here Today Transforming My IT Model ...



... then Why am I talking to EMC? It's just a Storage Company Right?

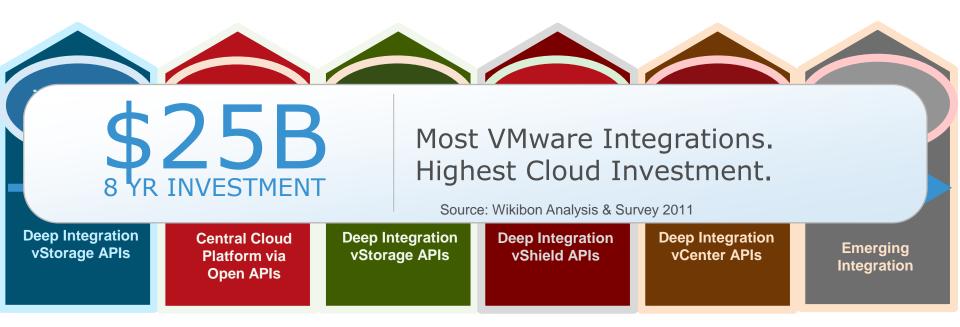


Cloud Technology A Decade of EMC / VMware Innovations

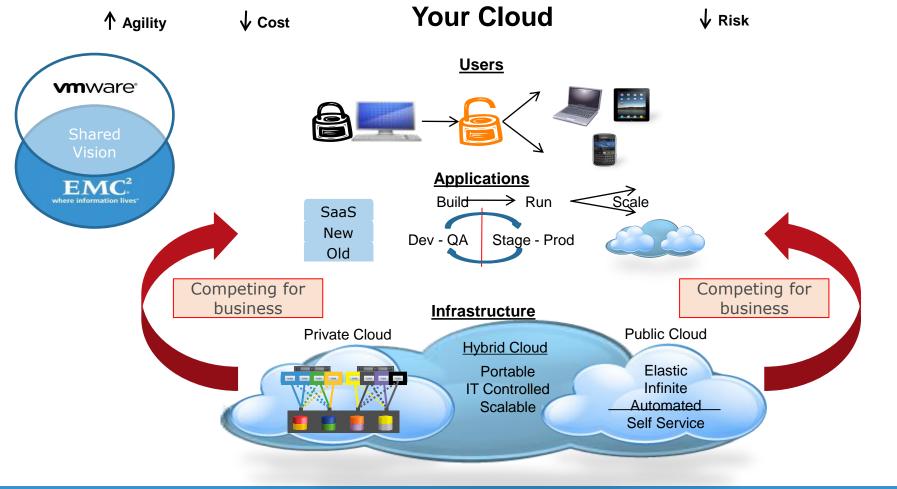




Cloud Technology A Decade of EMC / VMware Innovations









Infrastructure has been transformed.



Recent technology evolution...

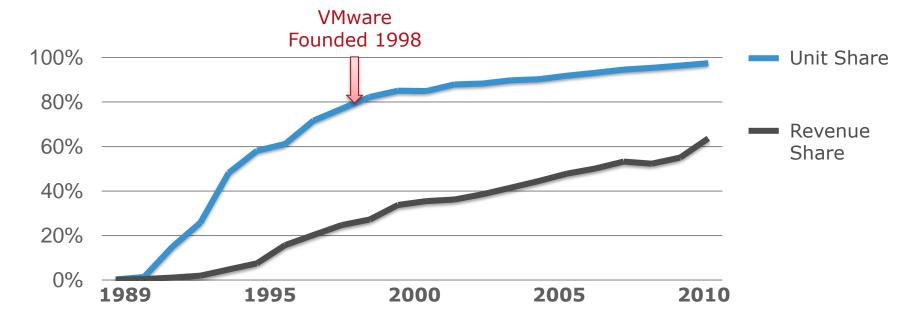






20 Year Dominant Market Share For x86

x86 As A Percent Of Worldwide Server Shipments



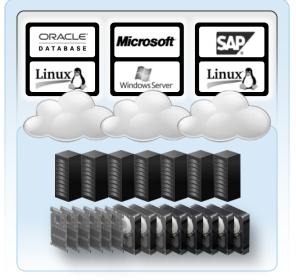
Containerizing standardized hardware passed compute up the stack

Source: IDC



Virtualization of Compute is Mainstream



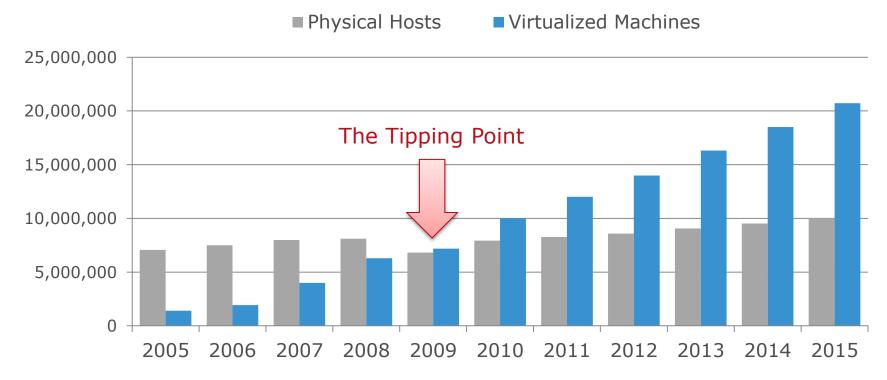


Standardize

Virtualize



VM Deployment Now Dominant

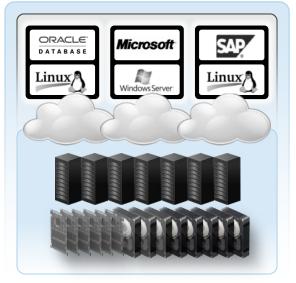


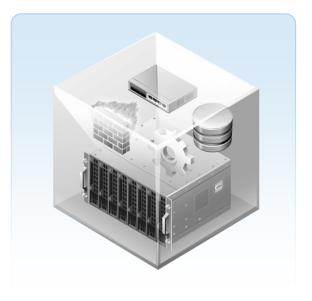
Represents All CPUs (x86, RISC, CISC, EPIC) Source: IDC Server Virtualization MCS, January 2012



Automation Technology is here Today!







Standardize

Virtualize

3 Automate



Automation and Orchestration

- It's not about CLI's and batch processing.
- It's about on-demand infrastructure that grows and shrinks.
- Using programmable API's leveraged by new wave applications.
- It's about the emerging IT portal based ordering systems
 - Perfected over the past decade by online retailers





Portals and Orchestration

Fly-by wire/hands off broad ecosystem of Orchestration/Portals









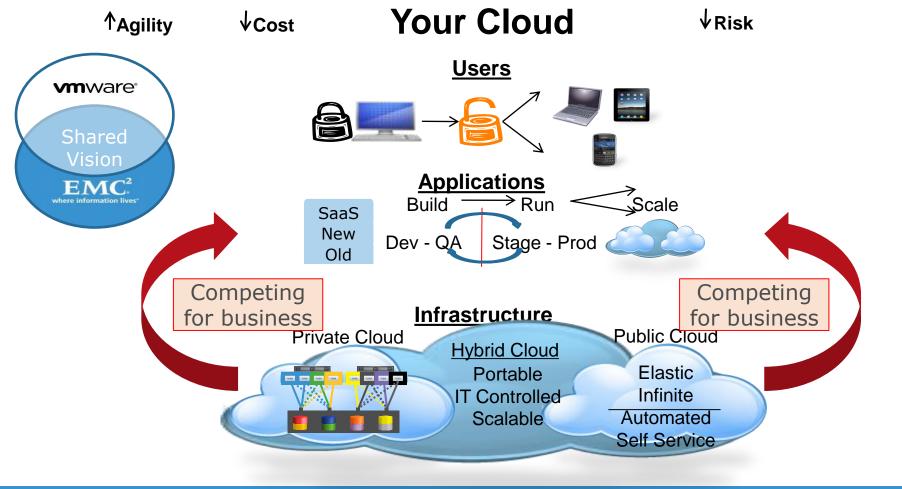




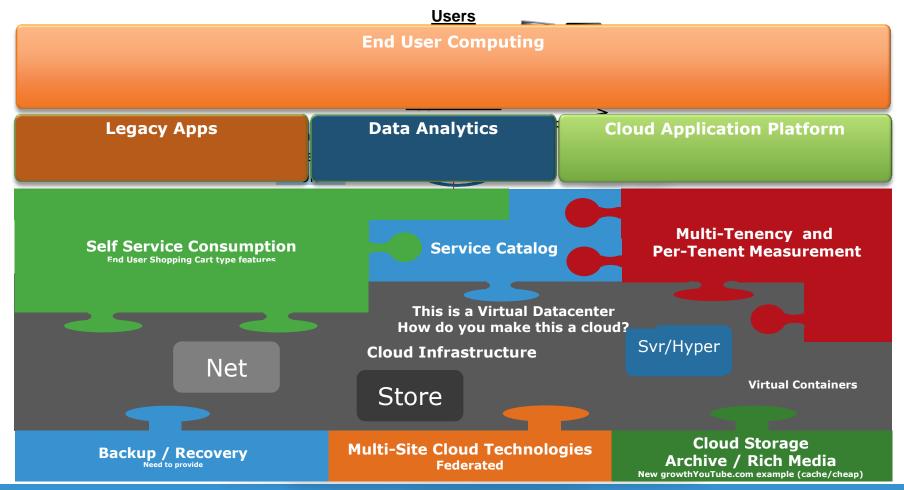
Process and Orchestration portals can be be bought...off the shelf and deployed in days!



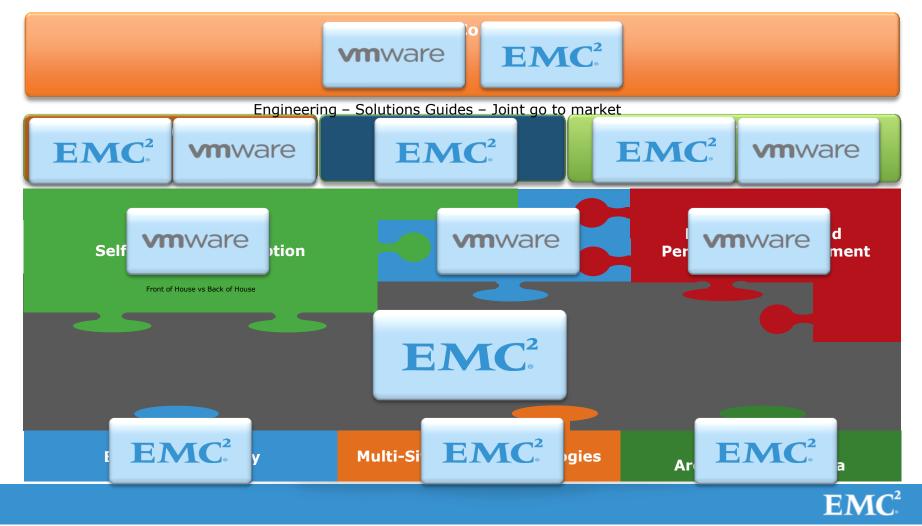
As a result ... the Cloud question is no longer "What is Cloud?" It's "How...

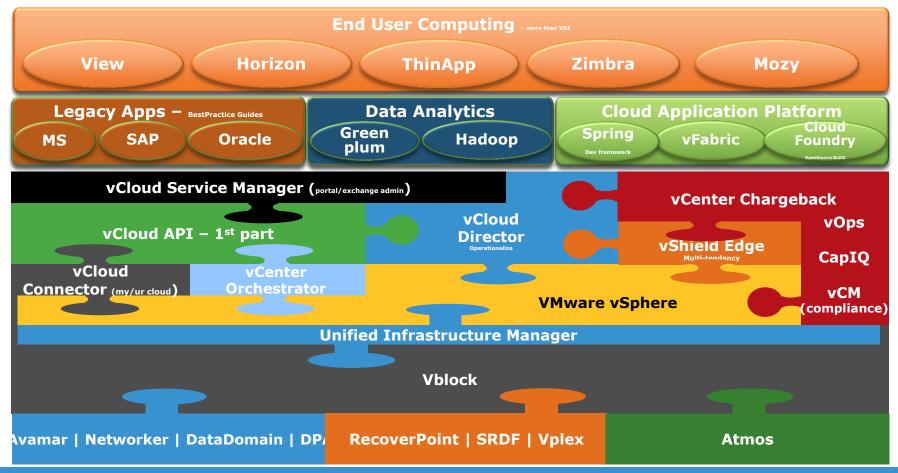




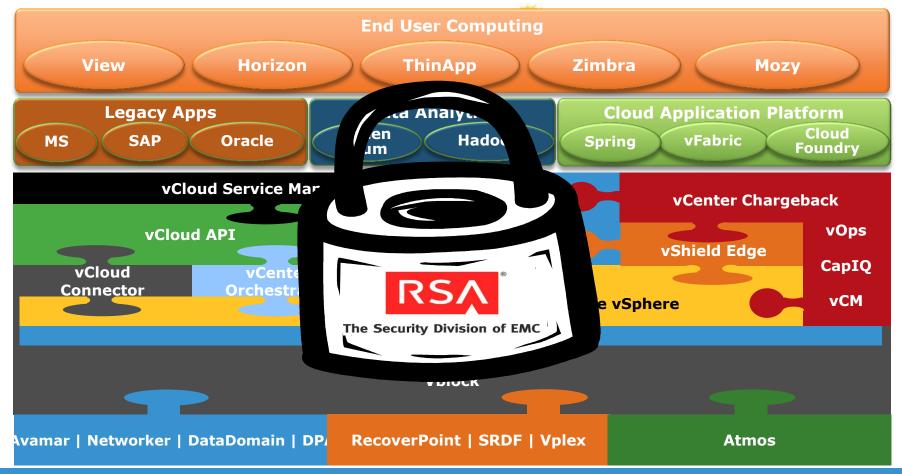




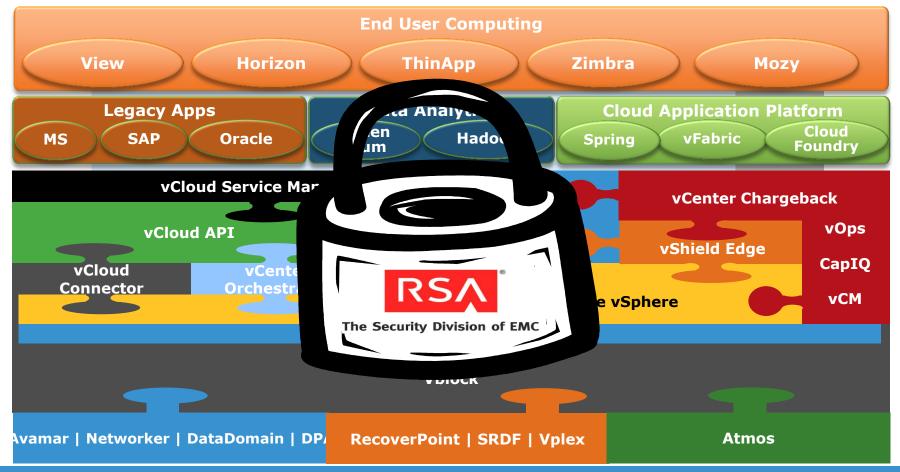














Three Paths To Cloud



EMC VSPEX



Proven Infrastructure

VCE VBLOCK



Converged Infrastructure



Cloud roll out requires organizational & process change as well:

- 1. People new organizations, new skills
- 2. Process understand current workflows and refine/automate & publish
- 3. Technology build for new service delivery models, i.e. 'cloud'

How Can EMC Help?

- We provide consulting around the journey
 - Evaluate, Architect, Implement
- Deep expertise with VMware solutions
 - Build out the 'cloud stack' for automation & control
 - Unique product integration with VMware
- Provide industry leading storage, backup, security & data analytics solutions (RSA, VNX, VMAX, Avamar, Data Domain, GreenPlumb, etc.)
- Provide converged infrastructure solutions with Cisco
 - Vblock & VSPEX
- Assist with next gen application development & replatform of old applications (vFabric)
- Provide Public Cloud solutions via our vCloud alliance with best of breed Service Providers

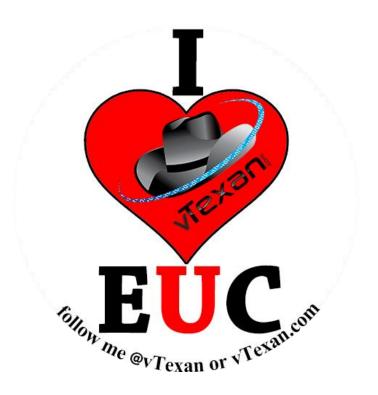


Thank You!!

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EUC = End User Computing/VDI/Mobility

