



PureApplication & IBM Cloud Orchestrator Compare and Contrast

WUG: 23rd March 2015



Complexity simplified

Icon and PureApplication

Skilled PureAppllication Practice

 Focused on the needs of current and prospective customers

• Includes ex IBM Hursley Lab contacts

Leader in PureApplication Patterns

- Internet Banking patterns (award winning)
- First MQ Broker plugin
- First WS Commerce & Sterling Order management pattern
- First Software AG webMethods pattern

Specialist in DevOps

- UrbanCode and PureApp integrators
- SDLC enablers
- Practical global experience

Owners of the European Pure User Group

Impact Sware



 An independent community for PureApplication customers to share user experiences, exchange best practices and help shape future plans



Sit Back and Enjoy...

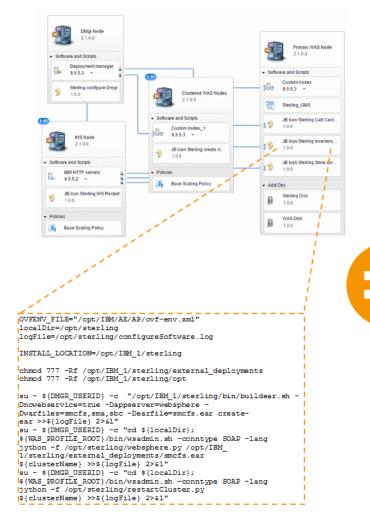
1	Pattern Level Set
2	IBM Cloud Genealogy
3	Patterns, Patterns, Everywhere
4	Under The Hood



Level set WHAT'S A PATTERN ?

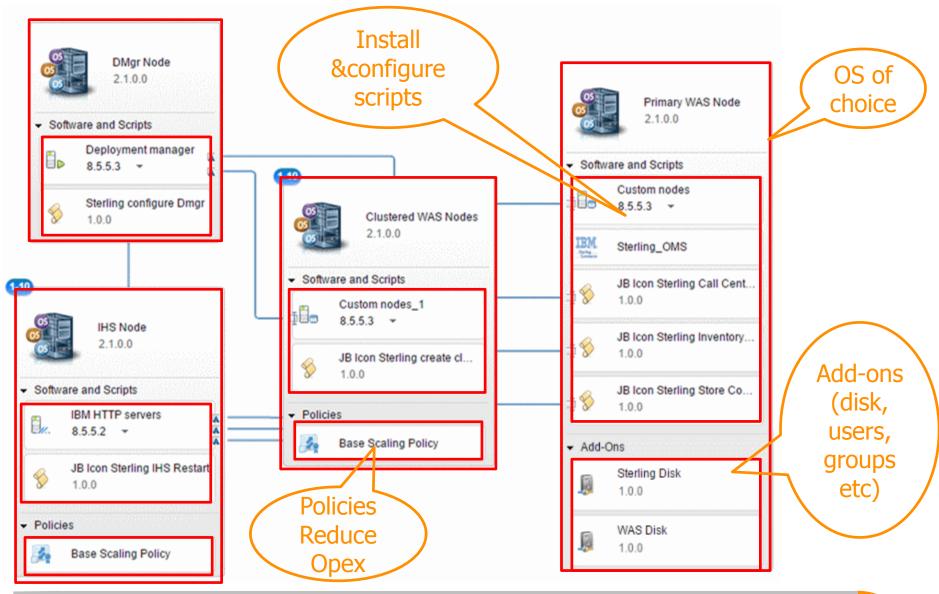


What's in a Pattern

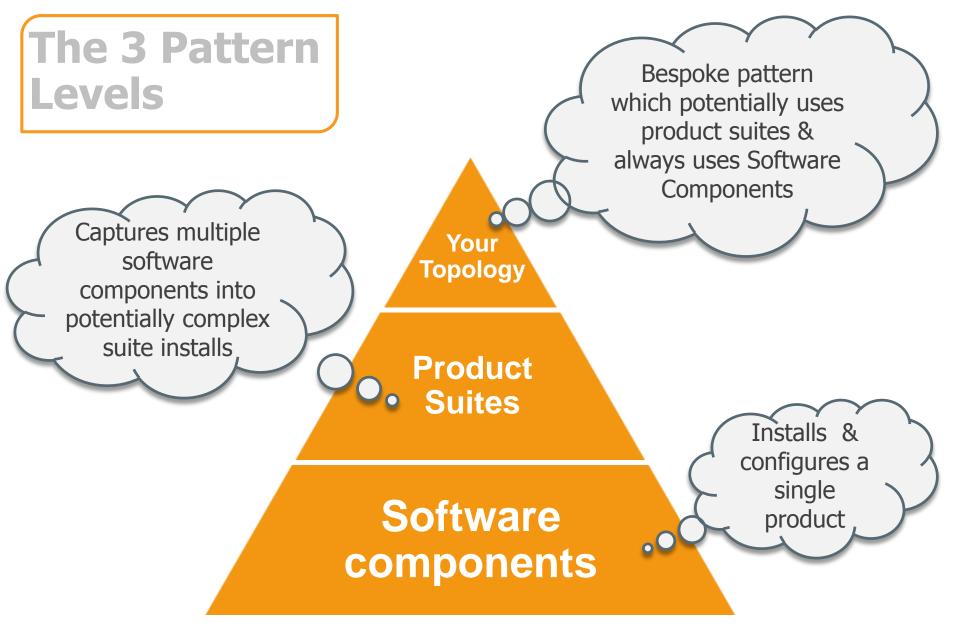




What's in a Pattern



PureApplication Software (or "BYO Hardware PureApp"





A Brief History of PureApplication **IWD & BEYOND**



IBM WS CloudBurst Appliance

- Released 2009
- Built on DataPower
- Focus on WebSphere deployment
- Originally had no "patterns"
- Stored Hypervisors and helped you deploy them to your infrastructure (BYO HW)





IBM Workload Deployer

- Released 2010
- Evolution of CloudBurst
- Continued focus on WebSphere deployment
- Started to get better tooling
 - Focus more on `patterns'
 - (system patterns only)
- CloudBurst Services
 - Rack with services





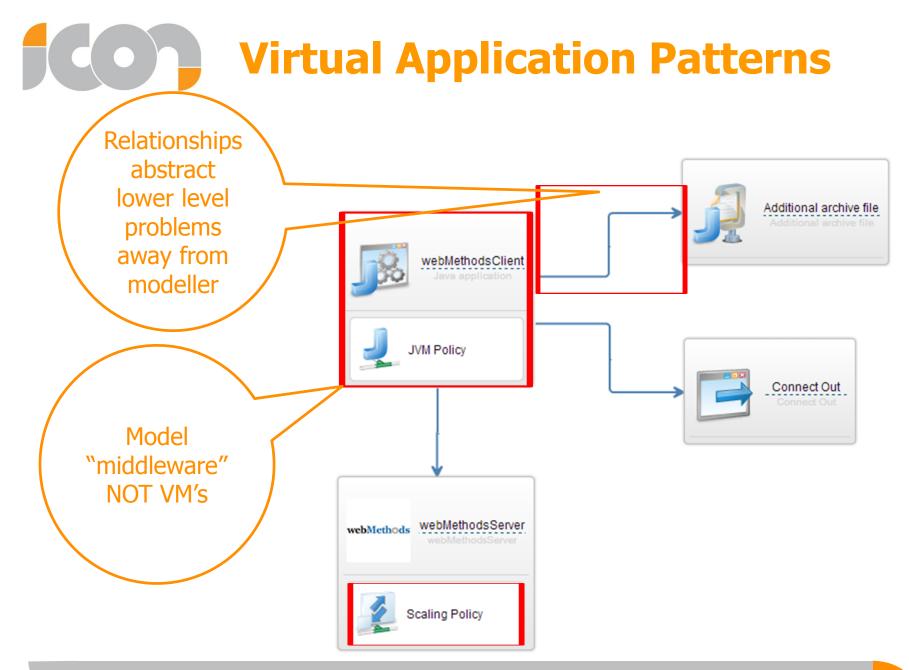


And then there was **THE GOD PARTICLE....**

Jason McGee

III

Chief Architect, Pure Application System IBM





2012: Released PureApplication *System*

- Converged Infrastructure
 - Network
 - Compute Nodes
 - Storage
- System & Application Patterns
 - Never the twain shall meet !





IWD Evolution (SCP/SCO/ICO)

- SmartCloud Provisioner
 - Identical Modelling Engine
 - Sys and App pattern enablement
 - Hypervisor only
 - BYO HW/VSphere
- SmartCloud Orchestrator
 - SCP + "Orchestration"

Orchestration !?

- "I need to do something before or after my system (pattern) has been deployed"
 - Ask someone to allow me to deploy this pattern
 - Open firewalls....
- BPM Based



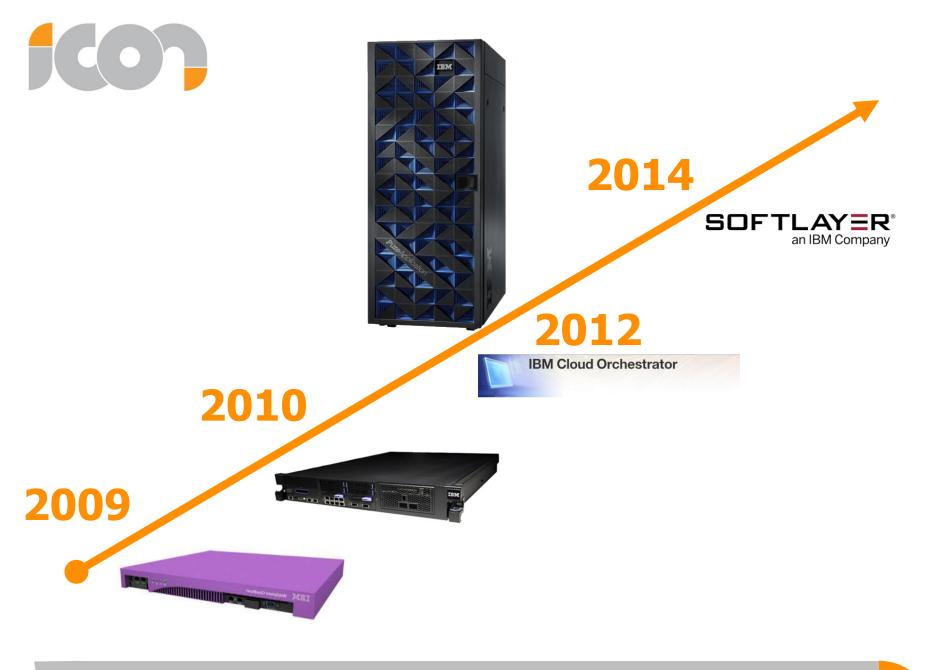


SOFTLAYER°

March 2014

Off-Premise capabilities

Marketed as "Hybrid cloud"





PATTERNS, PATTERNS EVERYWHERE

New: PureApplication Software



- Announced this week!
- Deploy PureApplication patterns to your existing hardware
 - HW Vendor agnostic
- Identical engine to PureApplication System & PureApplication on SoftLayer

Downside?

- BYO HW = Manage Your Own HW !
- BYO HW = BYO VSphere !

PureApplication Software: Pros and Cons

Pros

- No longer have to purchase IBM specific hardware
- Enjoy the benefits of patterns without the need for new hardware investment
- You can use in smaller quantities
- Allows you to trial before full investment

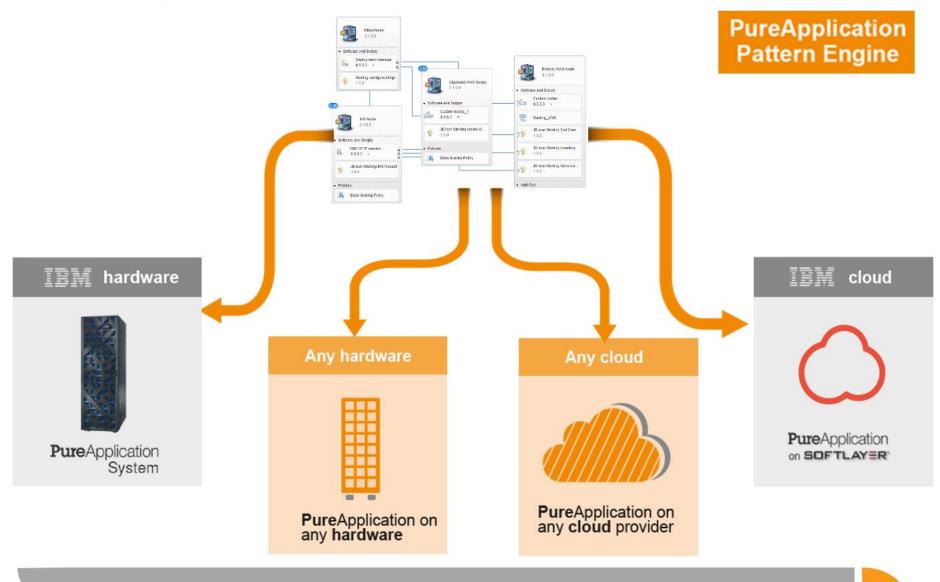
Cons

- You have to Bring Your
 Own Vsphere:
 A management overhead
- Manage your own network and storage:
 A management overhead
- No "one person to call"

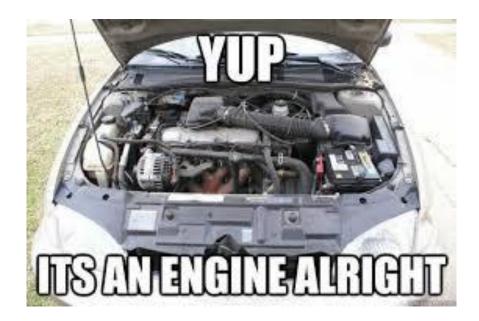




Create once, deploy anywhere!

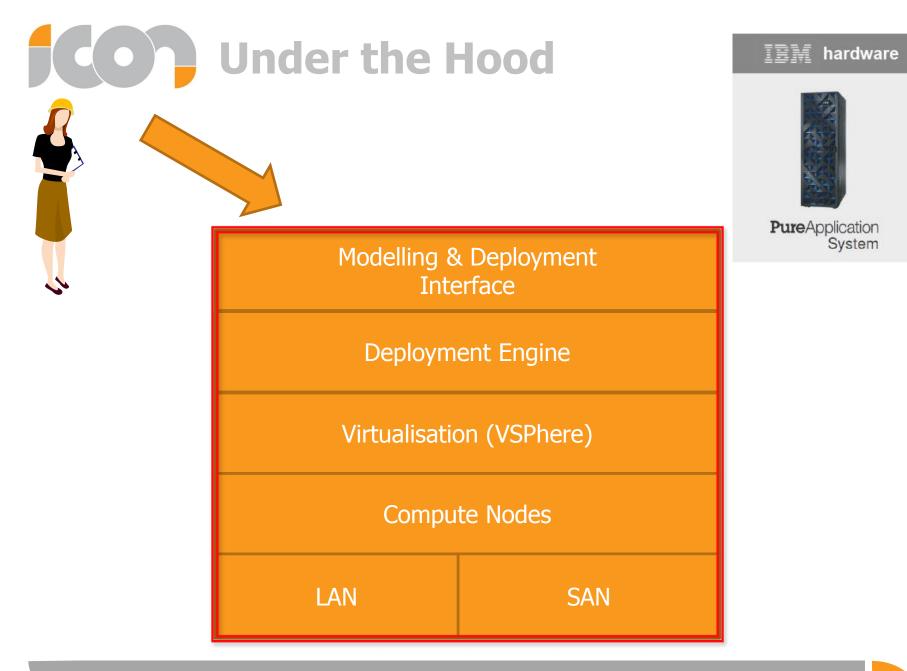






Going down

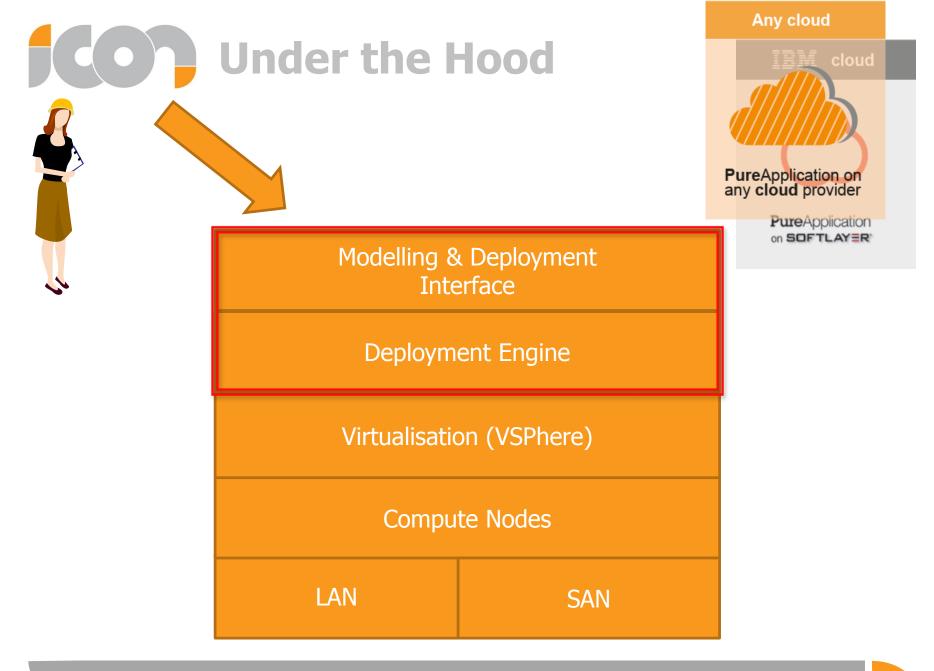
UNDER THE HOOD

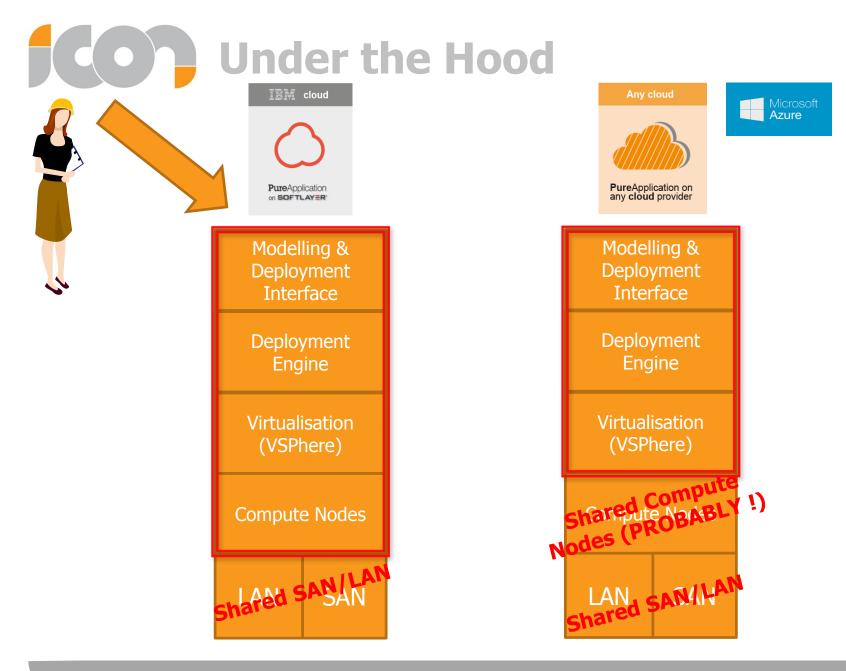


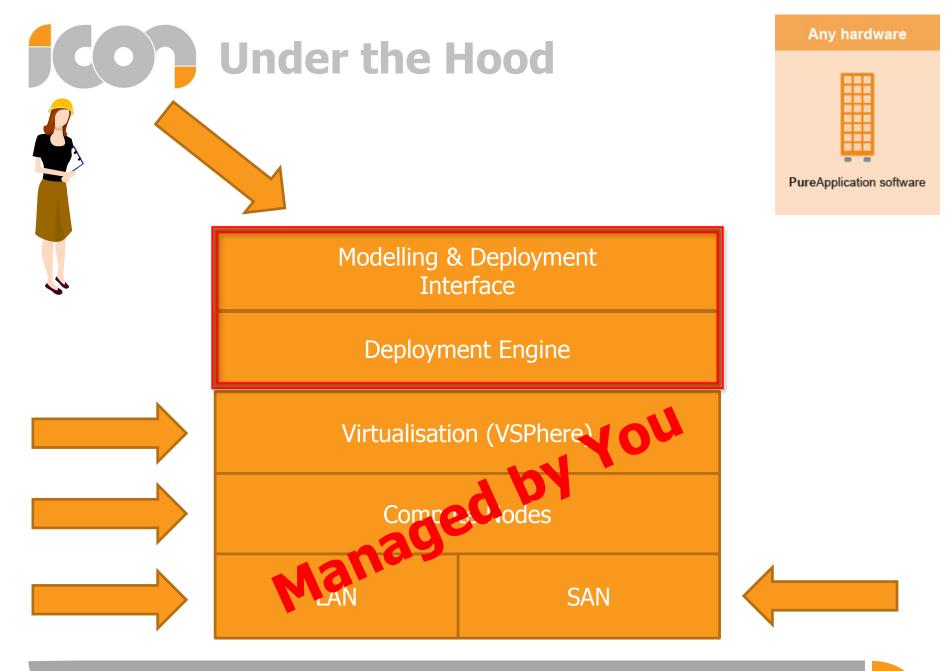




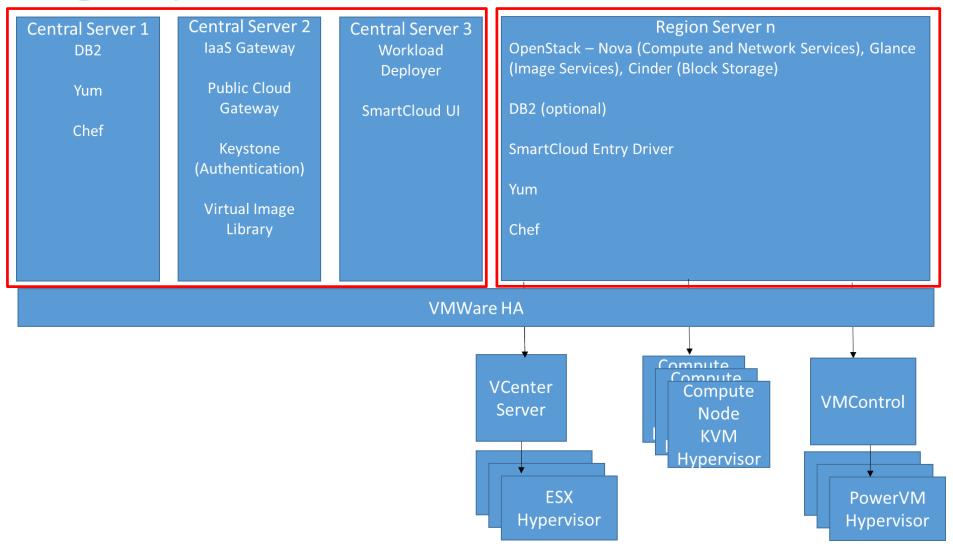
	Deployment OpenStack	k			
Deployment Engine					
OpenStack					
Virtualisation (VSPhere)					
Compute Nodes					
LAN	SAN				



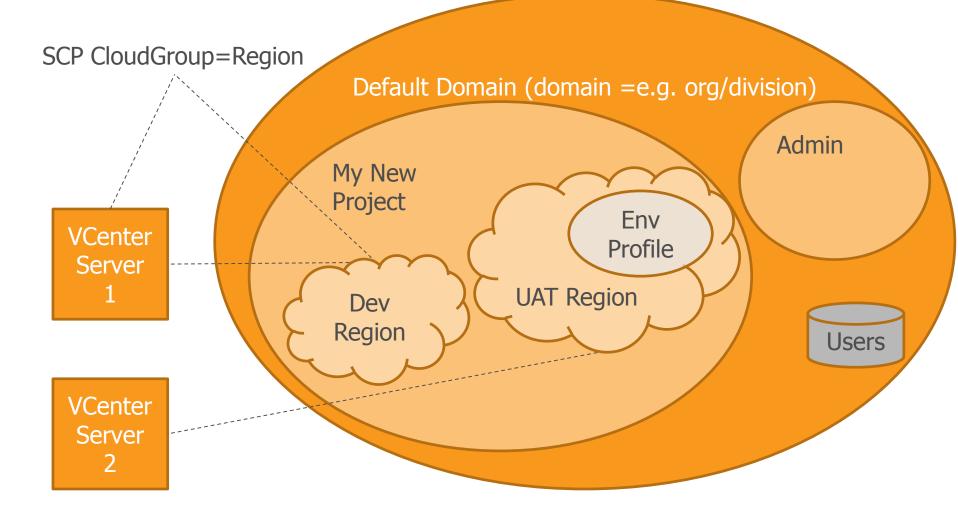


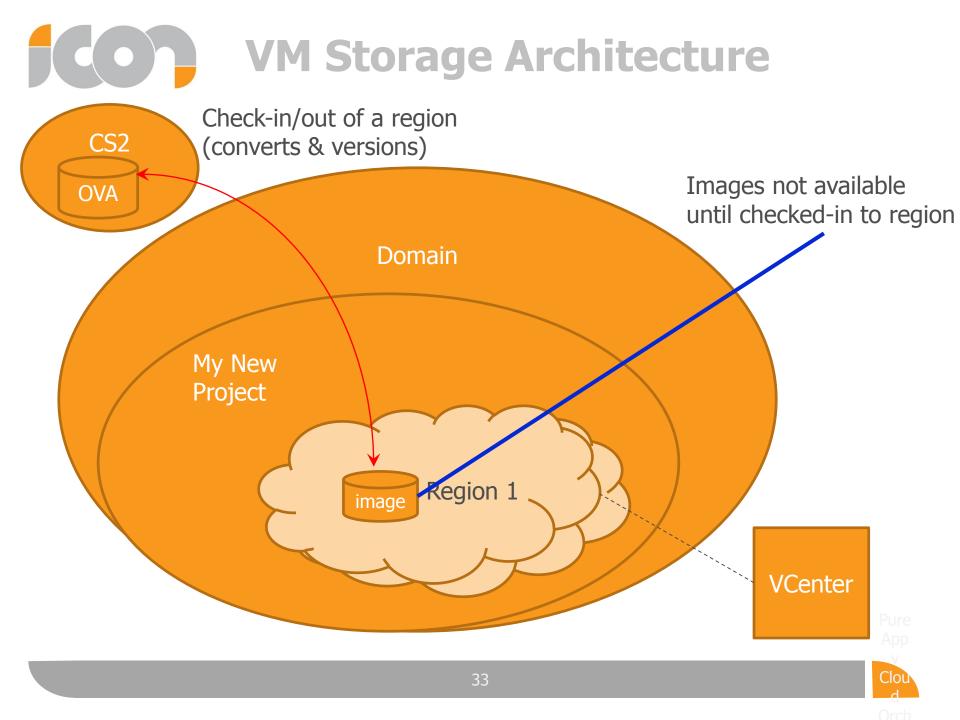


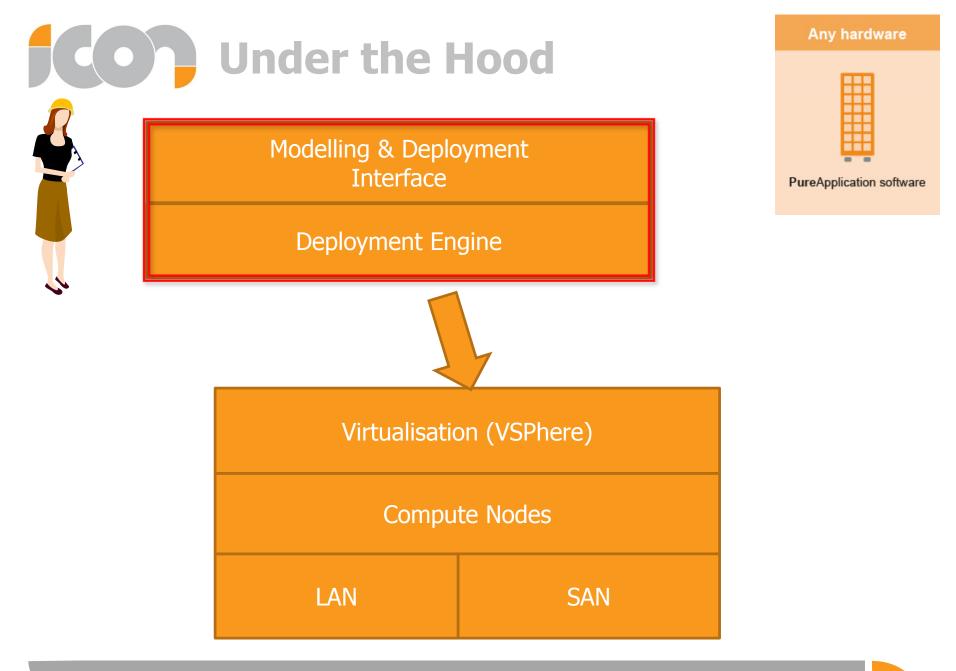
SCP/SCO Servers



Logical architecture







Under the Hood

正述 hardware	E登派 cloud	Any cloud	Any hardware
Modelling & Deployment Interface	Modelling & Deployment Interface	Modelling & Deployment Interface	Modelling & Deployment Interface
Deployment Engine	Deployment Engine	Deployment Engine	Deployment Engine
Virtualisation	Virtualisation	Virtualisation	Virtualisation
Compute Nodes	Compute Nodes	Shared Compute Nodes (PROBABLY !)	Comput Vodes
LAN SAN	shared saylhan	LAN Shared SAN/LAN	N SAN





PureApp

- Skilled in the art"
- BlueMix = "Proper" PAAS
 - Don't worry about *anything*
 - Scaling,
 - Performance
 - Security



Questions?

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