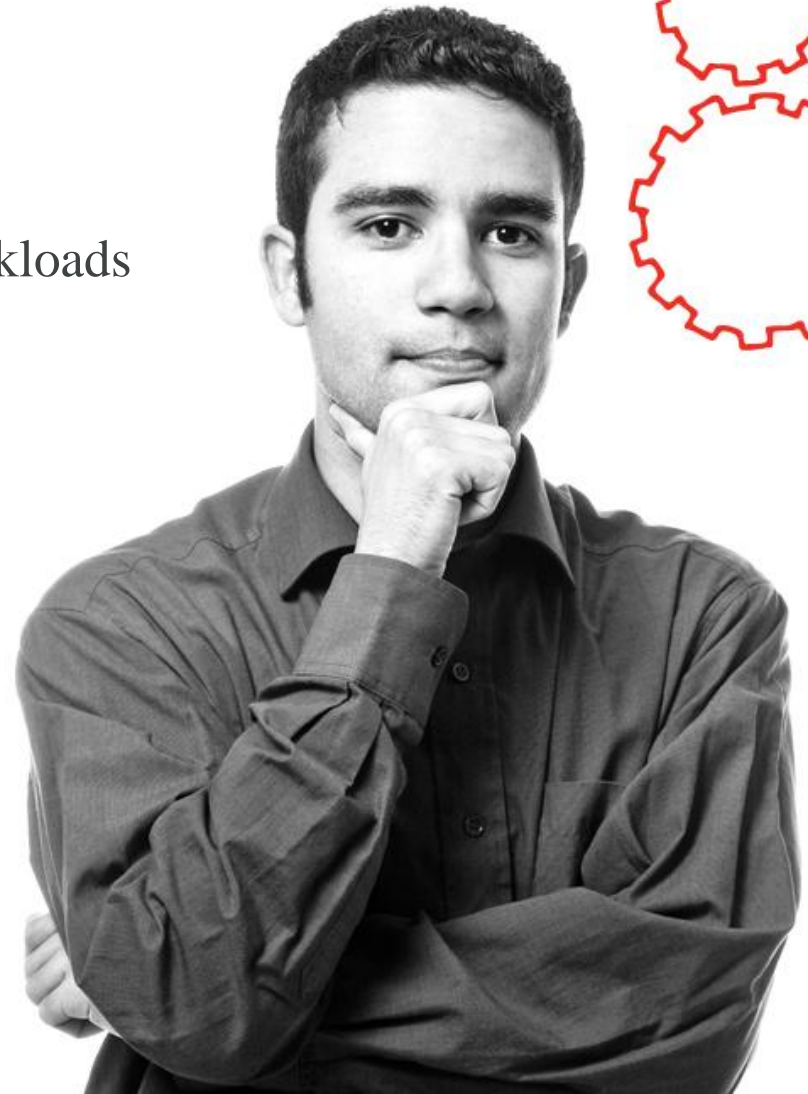


Cooperative Clouds

Converging clouds and mobilising workloads

Simon Daykin
UK CTO



Cloud 101 – What do I mean by cloud?

- *“Cloud computing is a sustainable, long-term IT paradigm, and the successor to previous mainframe, client/server, and network computing eras.*
- *Underpinned by both technology and economic disruptions, the cloud will fundamentally change the way technology providers engage with business customers and individual users.”*

Forrester Research 2010

Cloud is Change

Options...



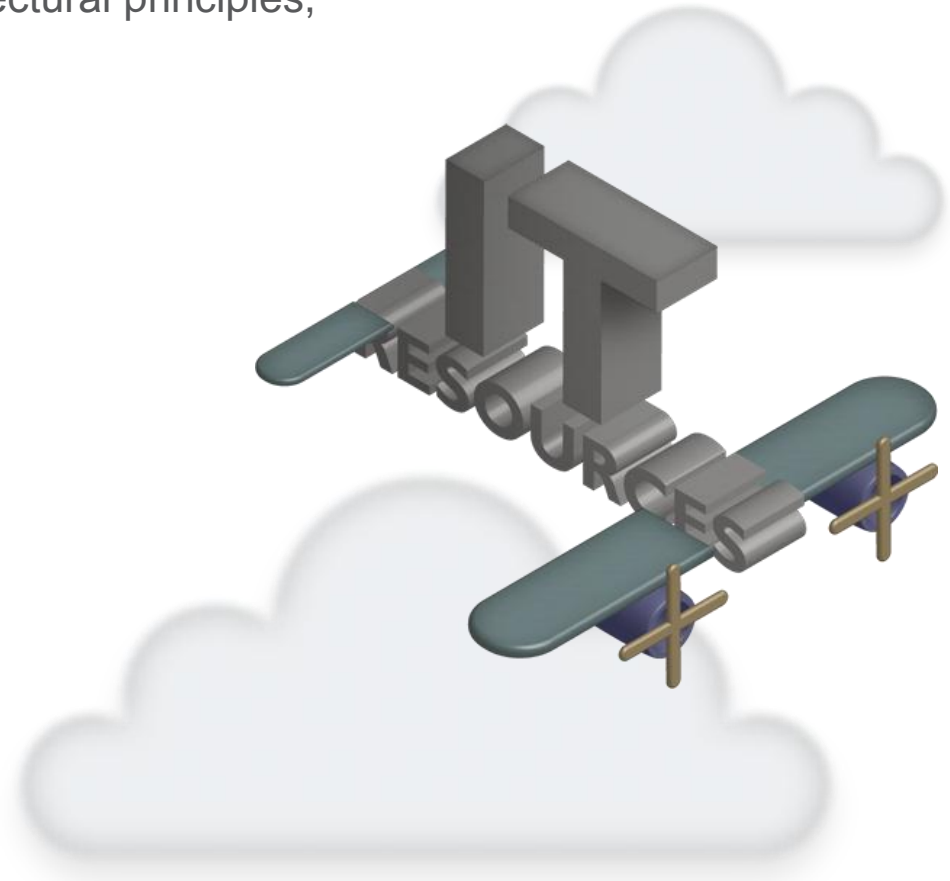
Build?



Or Buy?

How Logicalis approached cloud

- Approach “Cloud” through architectural principles, not vendor silos
- Exploiting cloud to
 - Simplify IT Service Delivery
 - Increase Agility
 - Improve Resilience and DR
 - Reduce Cost
- Focus on
 - IT Service Delivery
 - IT Service Mobility

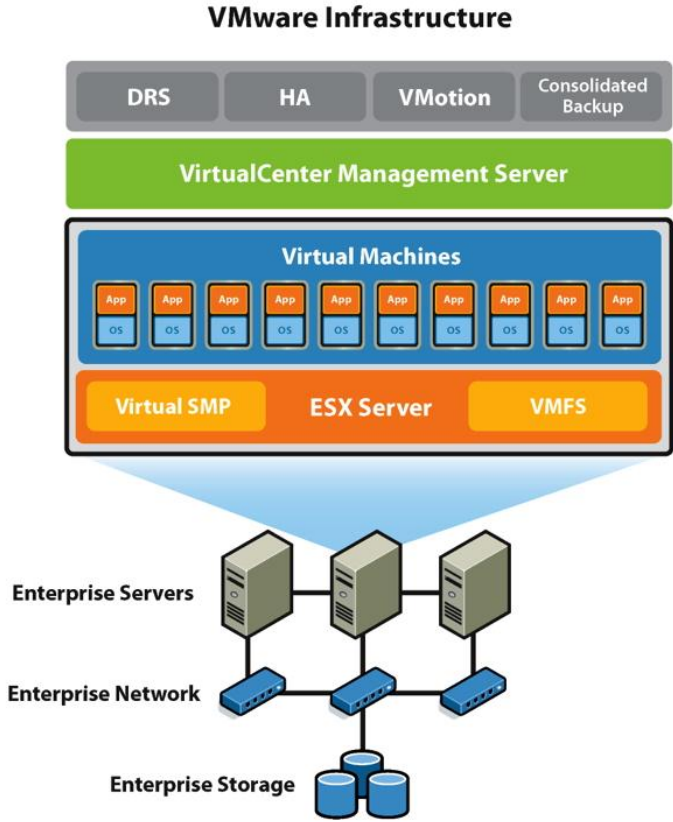


Cloud is enabled by a set of building blocks..

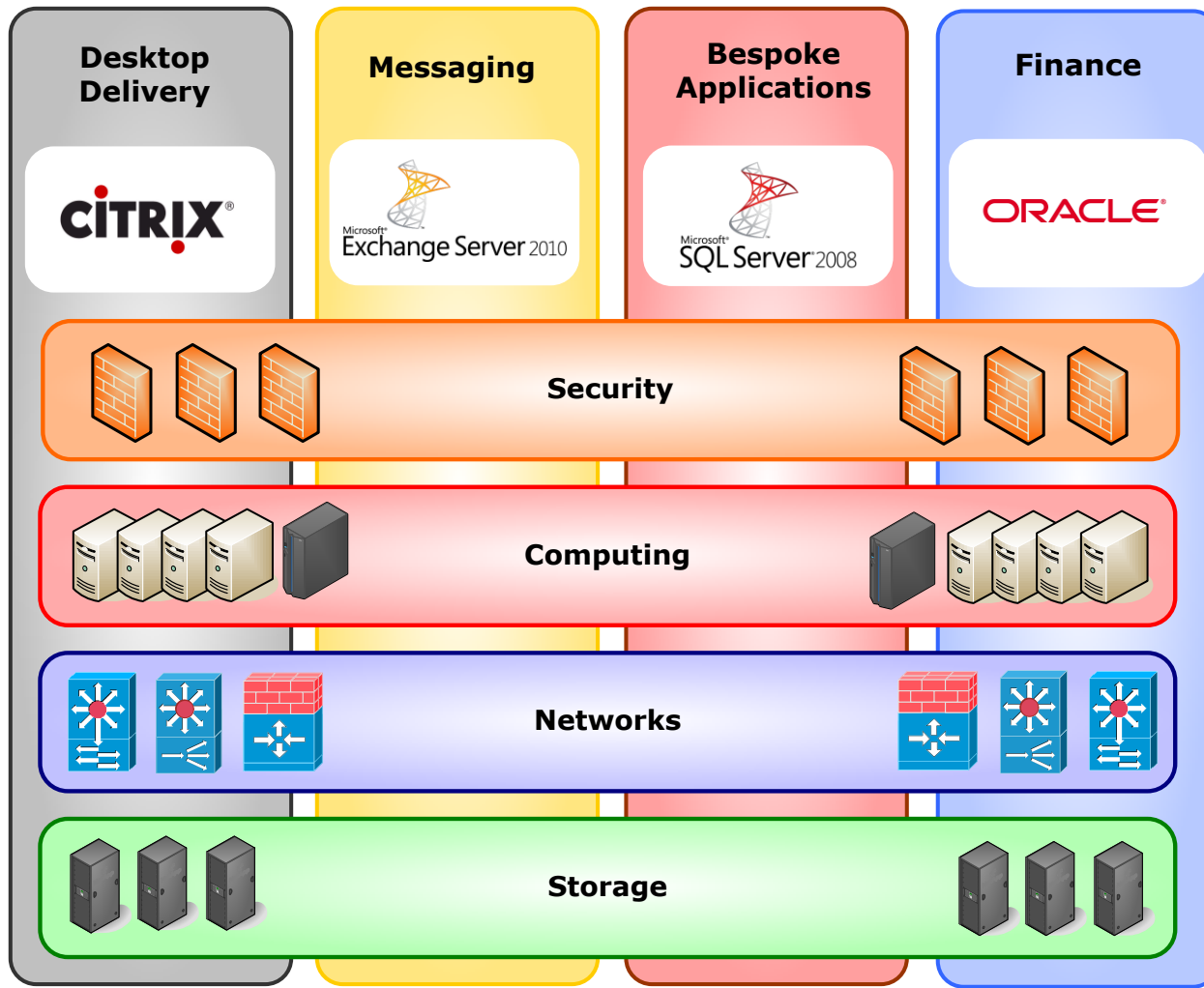
- **Bandwidth Availability** – you can access high performance resources from nearly ‘*anywhere*’
- **Virtualisation Technologies** – you and us (service providers) can build highly efficient compute, storage and network resource pools
- **Automation Tools** – we can manage single or shared ICT infrastructure as ‘one’ and deliver seamless provisioning and mobility of ‘capacity’
- **High Density Data Centres** – we can pack more technology per cabinet and utilise that technology to maximum efficiency – we can make using technology more cost efficient
- **Innovative Thinking** – all of this allows us to think about how we build ICT infrastructure, provision business applications, and locate our ICT services



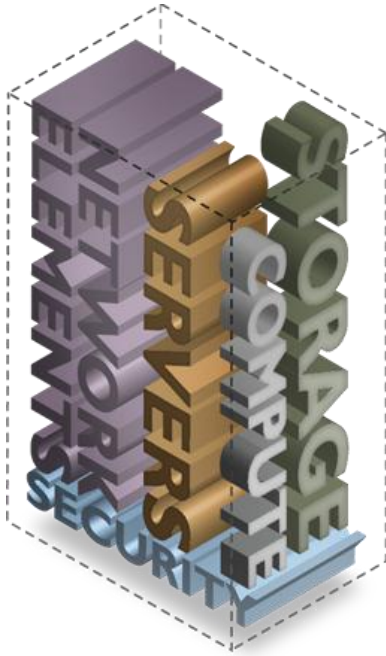
A hypervisor solves all of this, right?



IT Infrastructure versus IT Services



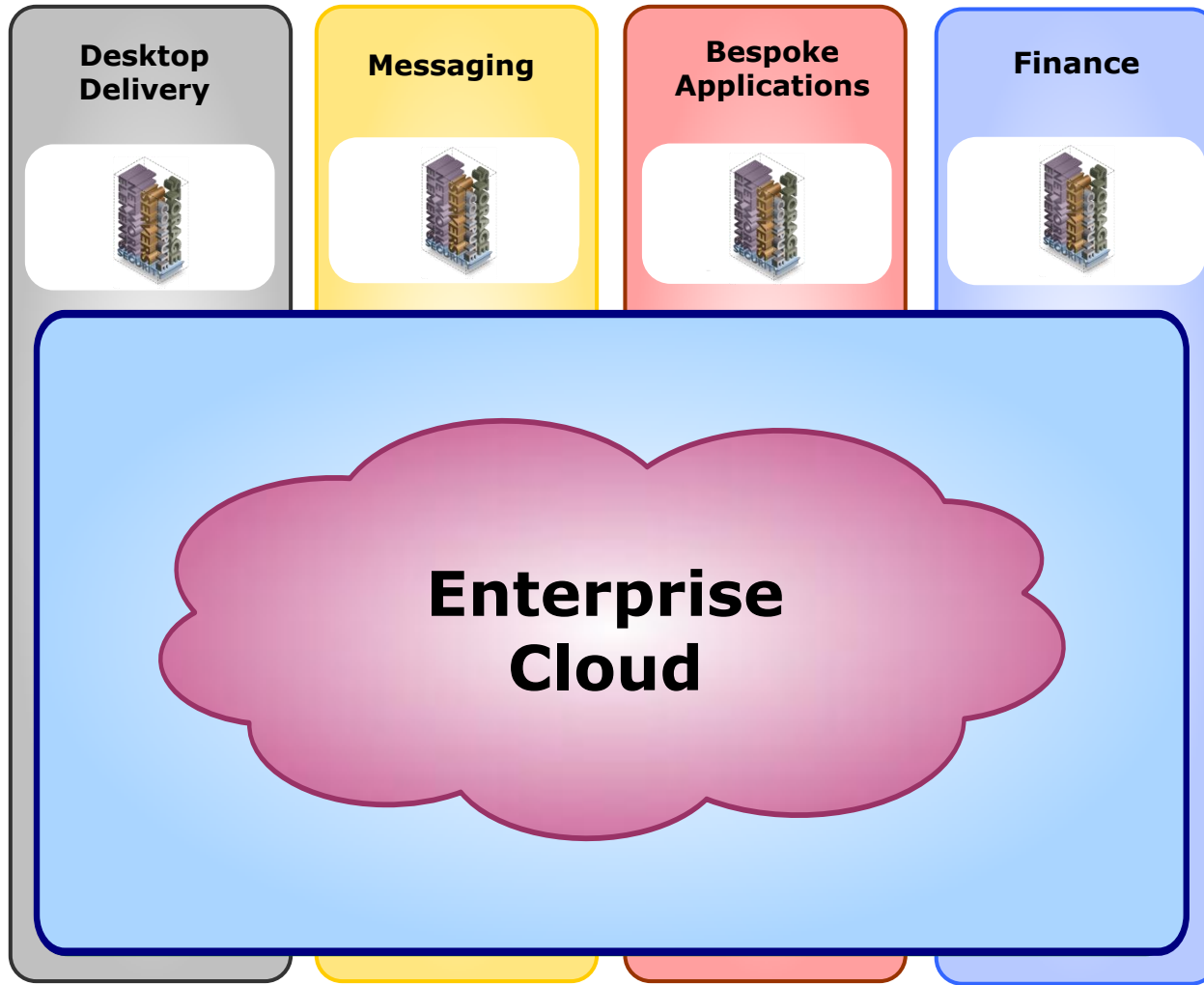
Logicalis Innovation – Virtual Container Technology



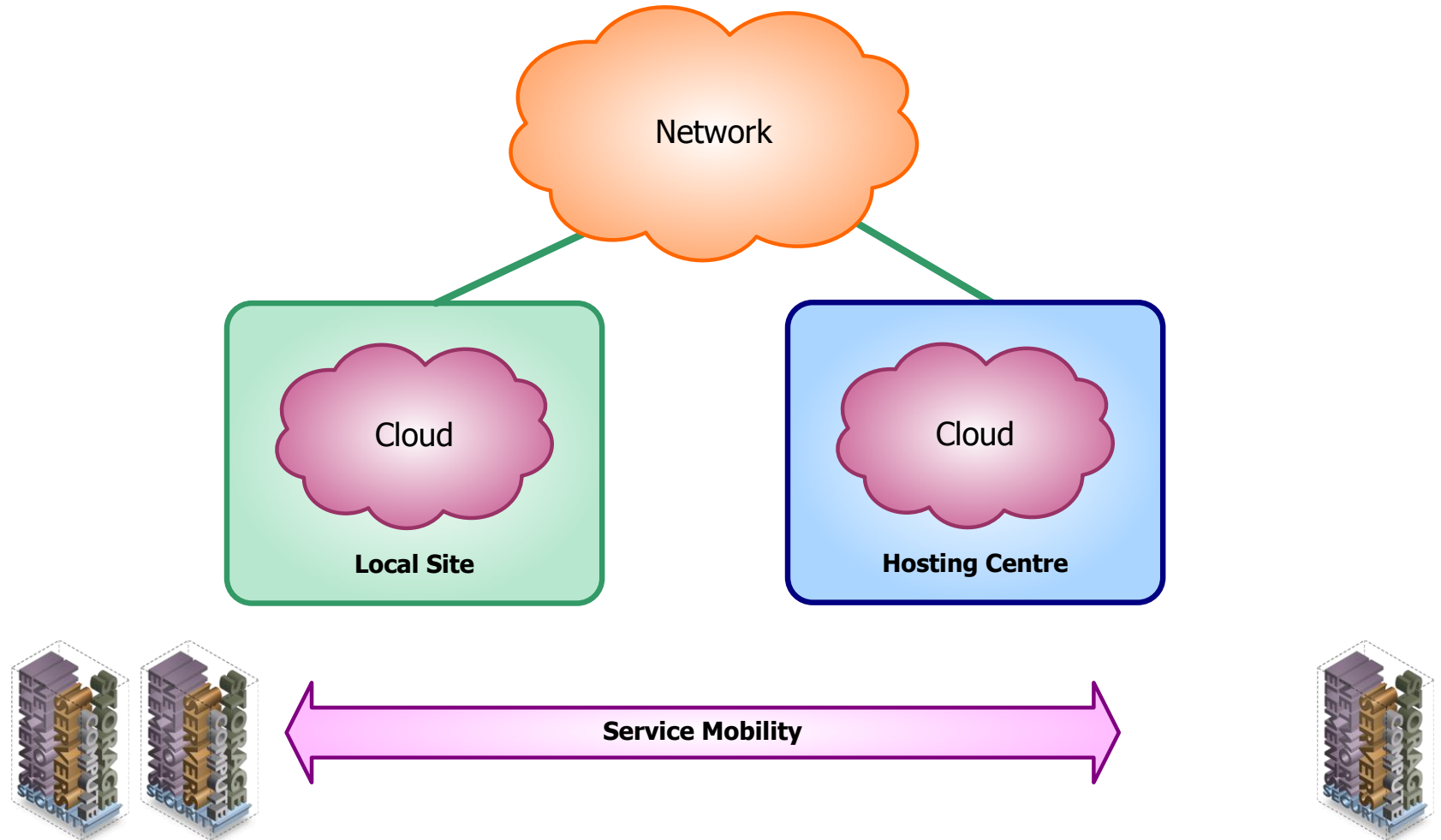
- Compute Elements
 - Blade, Partition & VM Definitions etc
- Storage Resources
 - Replicated Storage Volumes
 - Virtual Array Controllers
- Network Elements
 - Layer 2 Networks & Layer 3 Interfaces
- Security Elements
 - Boundary Definitions & Policy

Virtual Containers – Units of Cloud Mobility – Units of Service

Containerising IT Services

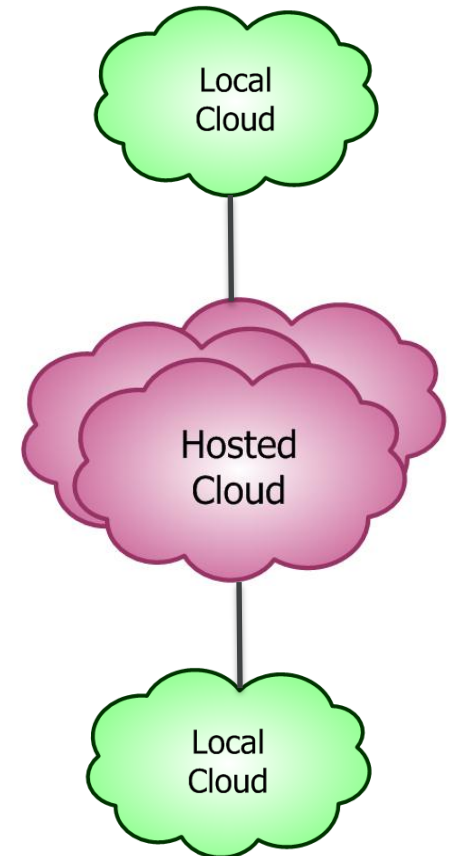


How do we enable service mobility between Clouds?

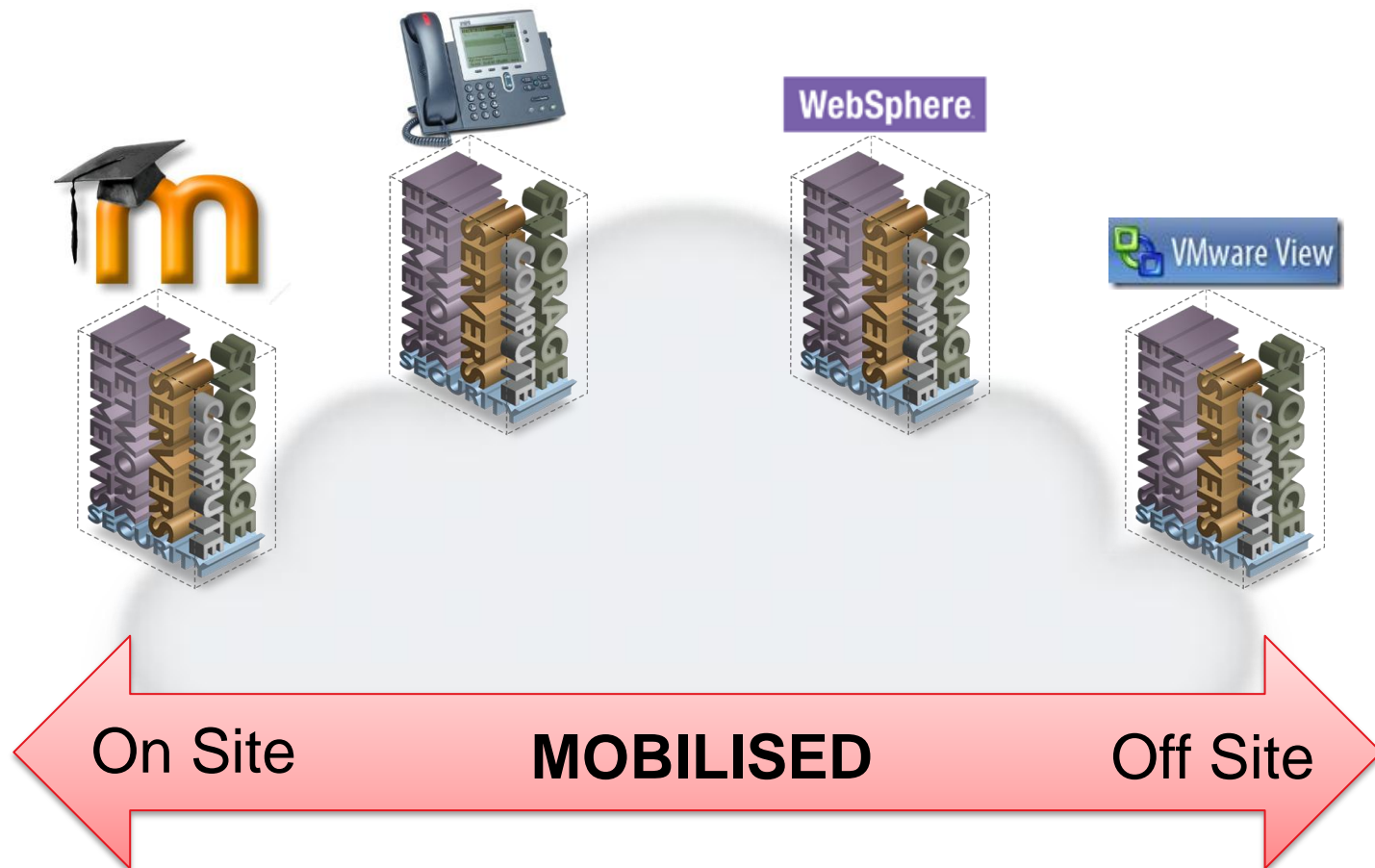


The Logicalis Cooperative Cloud Service

- Enterprise-class Cloud Service
- Hybrid style cloud with options for on site, off site, dedicated, shared and community cloud infrastructure
- A single reference architecture
 - Onsite Cloud = Bespoke Onsite Cloud Service (BOCS)
 - Janet Connected Hosted Cloud = IaaS
 - BOCS + IaaS = Cooperative Cloud
- Matched Architecture with full IT service mobility
- Predictable & Transparent
- Supports both Virtualised and Non Virtualised workload



The Cloud as the Platform



Thank you

