



The Journey to Anything-as-a-Service

David Deakin

Cloud and Data Centre,
Centre of Excellence

Agenda

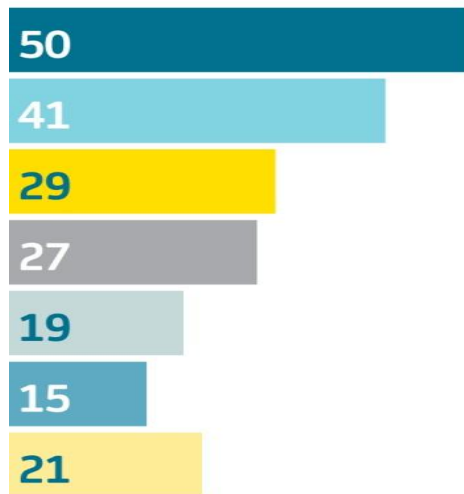
- Market trends & Business drivers
- The journey to Anything-as-a-Service
 - Building the Foundation
 - Guiding the Transformation
 - Enablement of cloud based services
- Questions

Cloud computing continues to rise

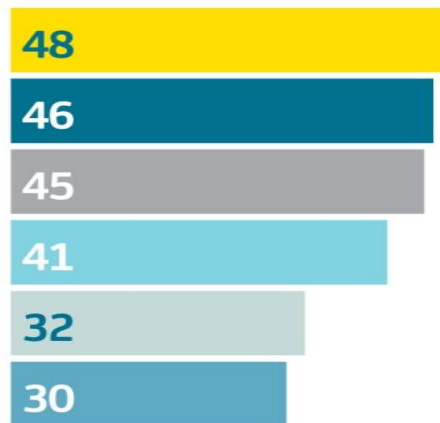
CLOUD ADOPTION – BUSINESS

(%)

CURRENT



EXPECTED IN 3–5 YEARS



SOFTWARE
AS A SERVICE

PRIVATE
ON-PREMISE
CLOUD

HYBRID CLOUD
(A COMBINATION
OF IN-HOUSE
AND OUTSOURCED
SERVICES)

INFRASTRUCTURE
AS A SERVICE

PUBLIC
CLOUD

PLATFORM
AS A
SERVICE

NONE
OF THESE

Source: Optus Future of Business Report 2013

alphawest.

'yes'
OPTUS

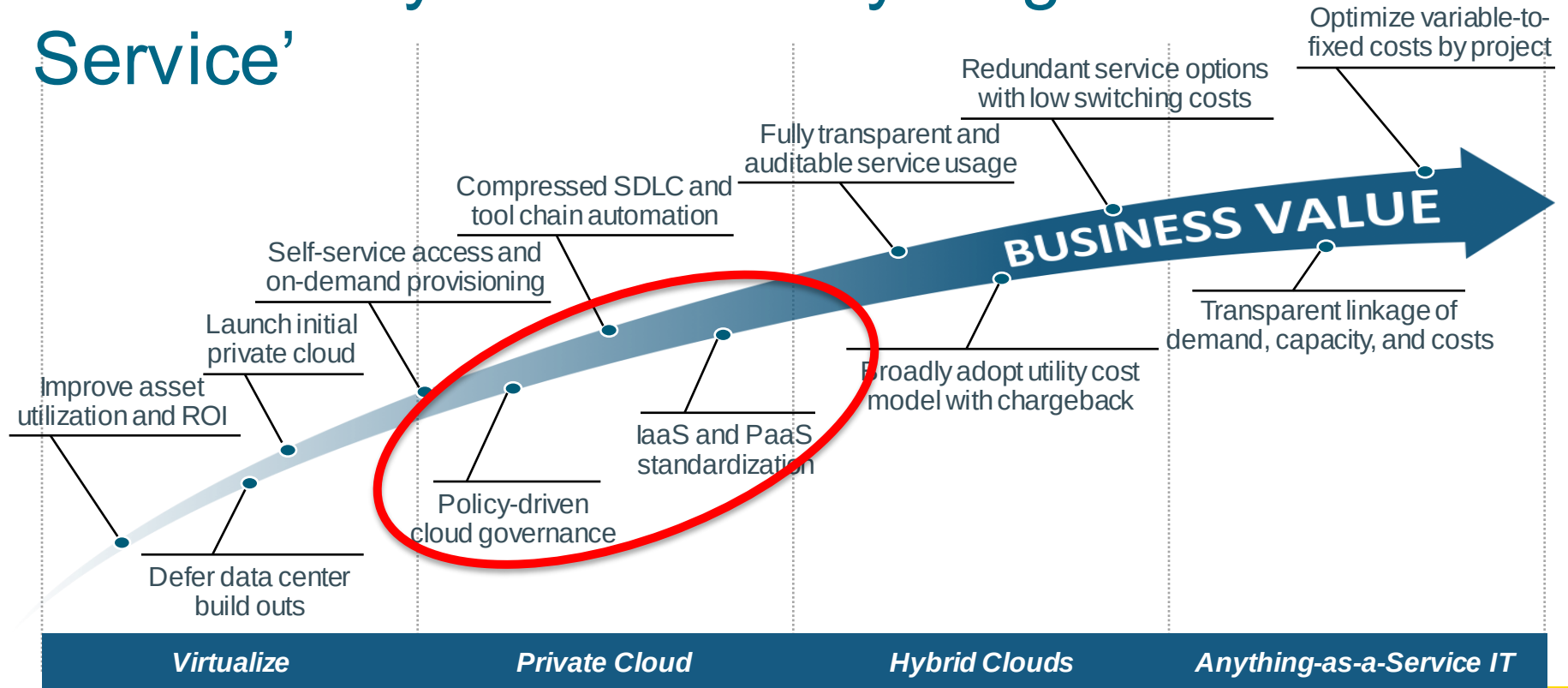
The Goal of Anything as a Service

“Allowing you to become a service provider to your business, where cloud works for you (not the other way around) enabling competitive edge and elevating IT within your organisation”

The journey to Anything-as-a-Service

Past	Present and future
CAPEX model	OPEX – Predictable cost & consumption model
Lacks scalability	Agility and flexibility to scale up and down
IT services & business apps on disparate infrastructure	Centralised IT services and business apps on-demand
Tedious to manage and maintain	Simplifies management and maintenance
Cumbersome to deliver IT services	Accelerated deployment of IT services

The Journey Towards 'Anything as a Service'



The Journey to Anything as a Service...

Building the Foundation

Building the foundation - Business steps

- Executive Sponsorship is essential at foundation stage
- Plan and design the journey to cloud in terms of business outcomes and risks
- Identify business and IT stakeholders that need to be on board
- Building the financial business case, Make the CFO your friend
- Building the justification
 - How do planned Cloud services integrate with current IT environment and applications
 - Carefully decide what workloads are suitable for Cloud
 - Identify application footprint

Building the Foundation – Improve ROI

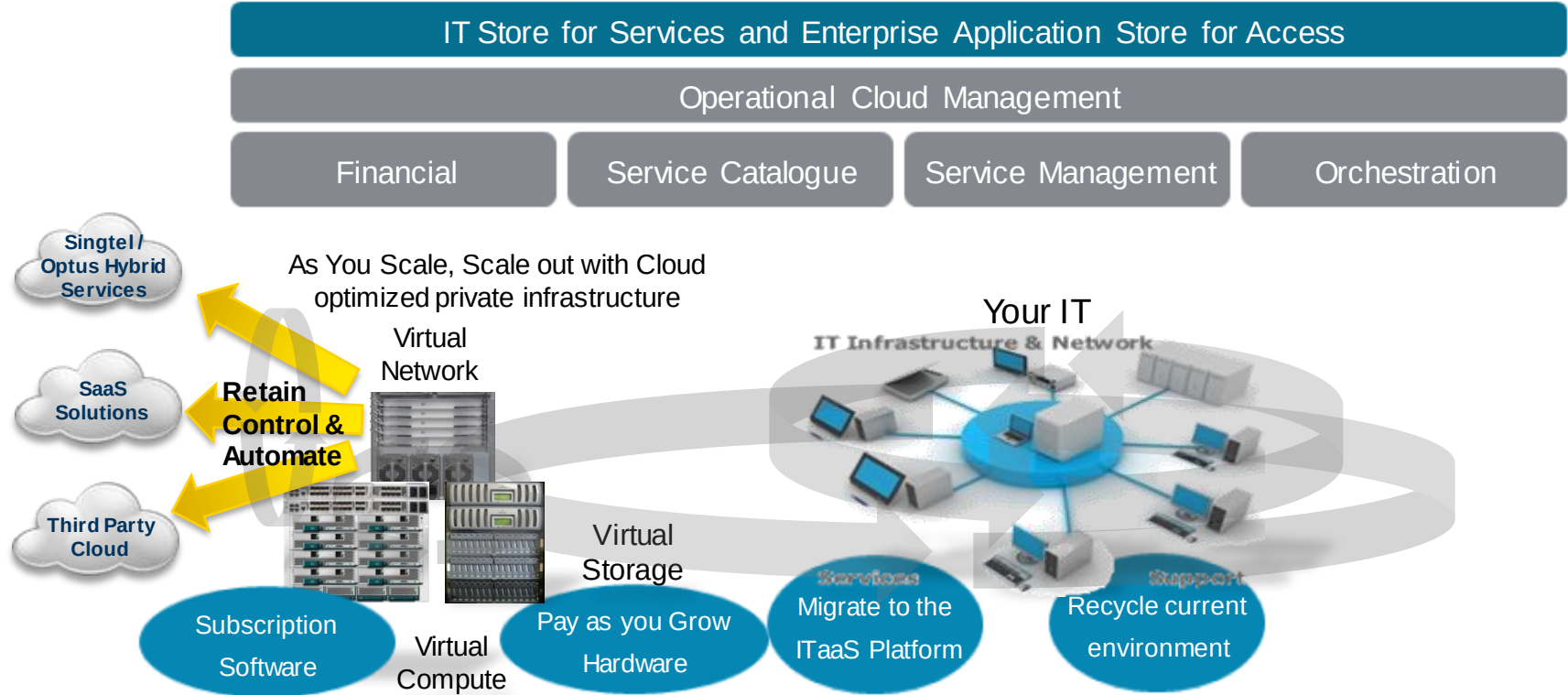
- Capex & Organically grown infrastructure makes cost modeling difficult
- Legacy environment represents an opportunity to improve ROI, instigate an as 'as a service' cost model or delivery method
 - Applications – Usually non consolidated
 - Consolidation, Centralization and standardization of applications
 - Infrastructure examples – Usually well consolidated but can be enhanced
 - Virtualization of Tier 1 app's
 - Tape based backup vs de-dupe
 - Automation

Building the foundation –Private Cloud

- Private Cloud isn't a just a new name for infrastructure it is:
- Virtualised by default – Makes all resources portable for the cloud
- Built on a transparent infrastructure costs base – allows simple as a service cost modeling and grows via Opex Pay as you grow
- Built to be operationally efficient through optimized process and Automation
- Ran leveraging ITSM principles, Capacity management etc.
- Monitored, managed and tested against the SLA's that are being demanded
- Finally easy to consume via Portals, stores or process..



The Foundation – Prepare for Hybrid Cloud



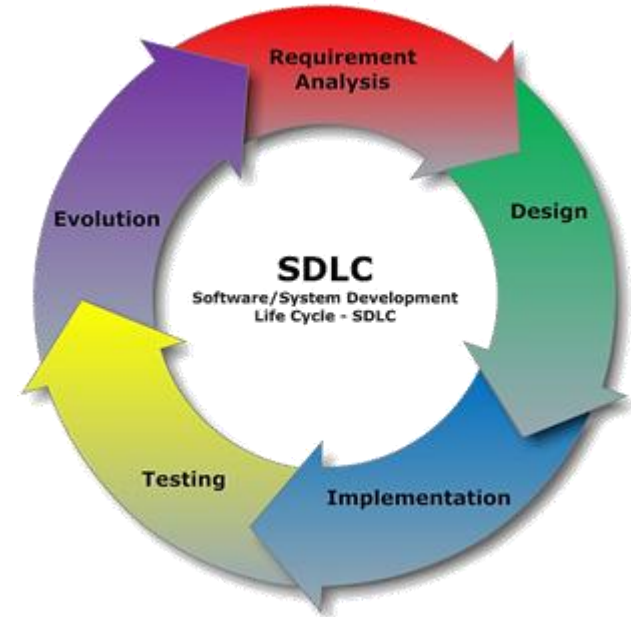


The Journey to Anything as a Service...

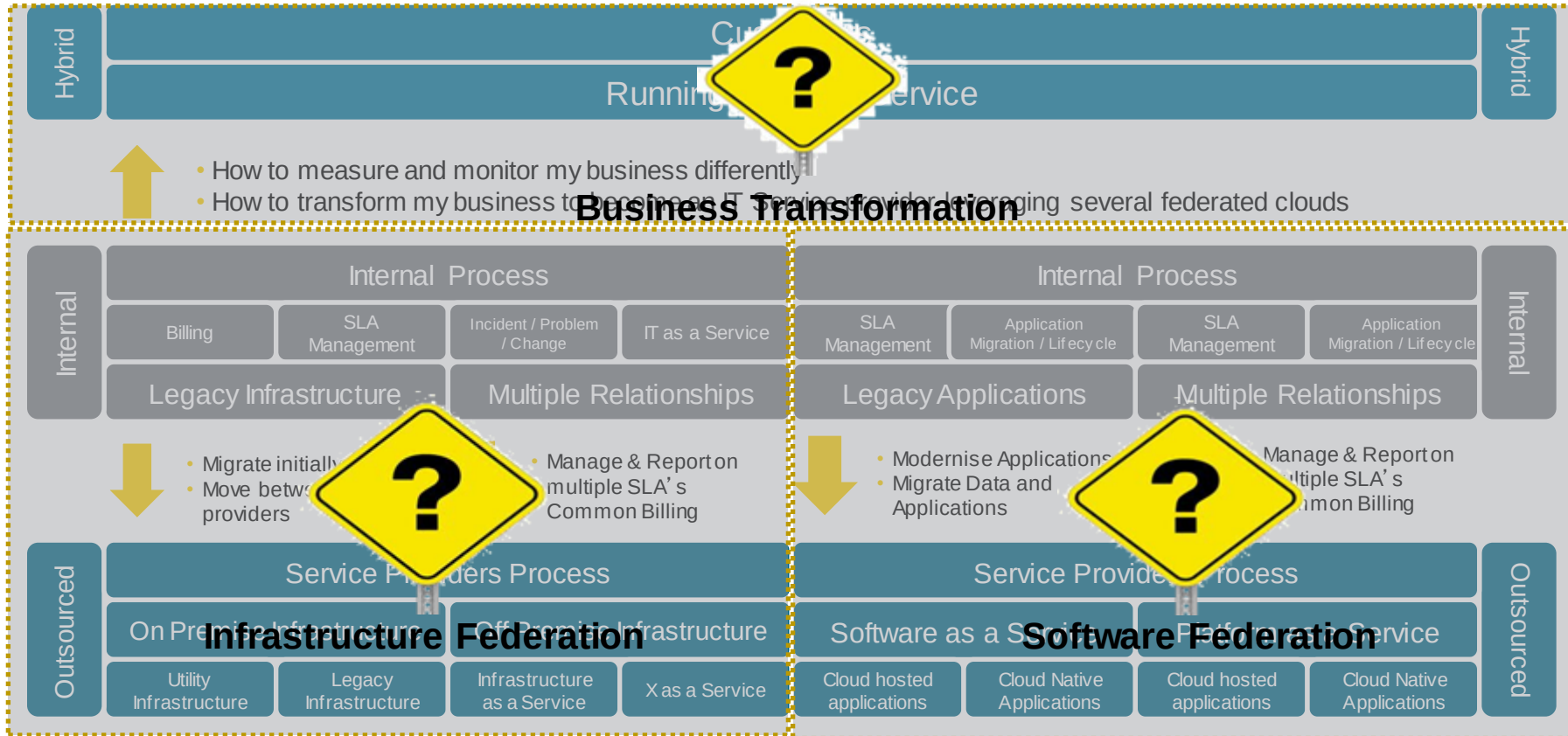
Guiding the transformation

Change the thinking

- Cloud is about optimising application workloads -not infrastructure
- Focus on the right workload placement to Improve the SDLC and get the best ROI from Cloud
- Financial impact of moving application workload to the cloud instead if infrastructure is higher



A few years on.. What our customers are saying



The Biggest Challenge



Managing different service
provider 'colours'

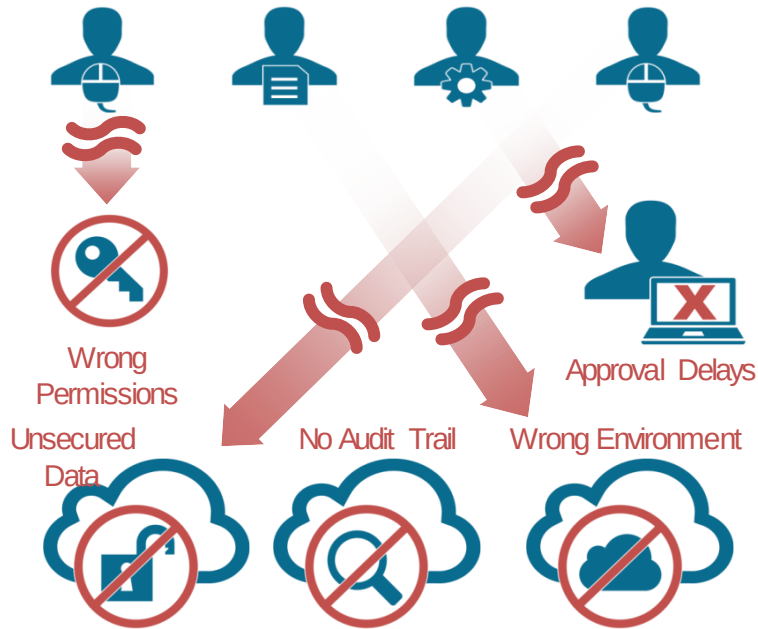
Alignment of internal
ideology to external

Process Interlock between
internal & external clouds

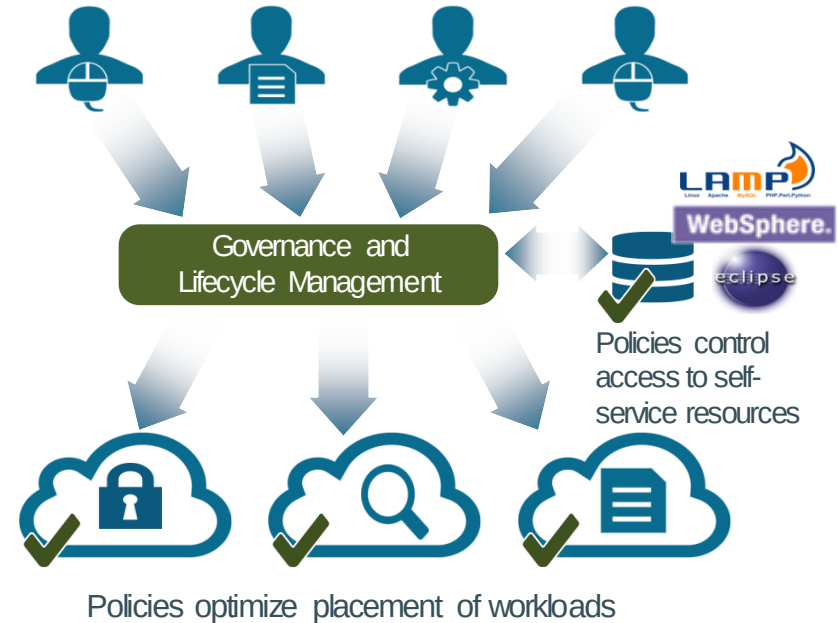
Transparent Message Bus

Implement enterprise governance cross cloud providers

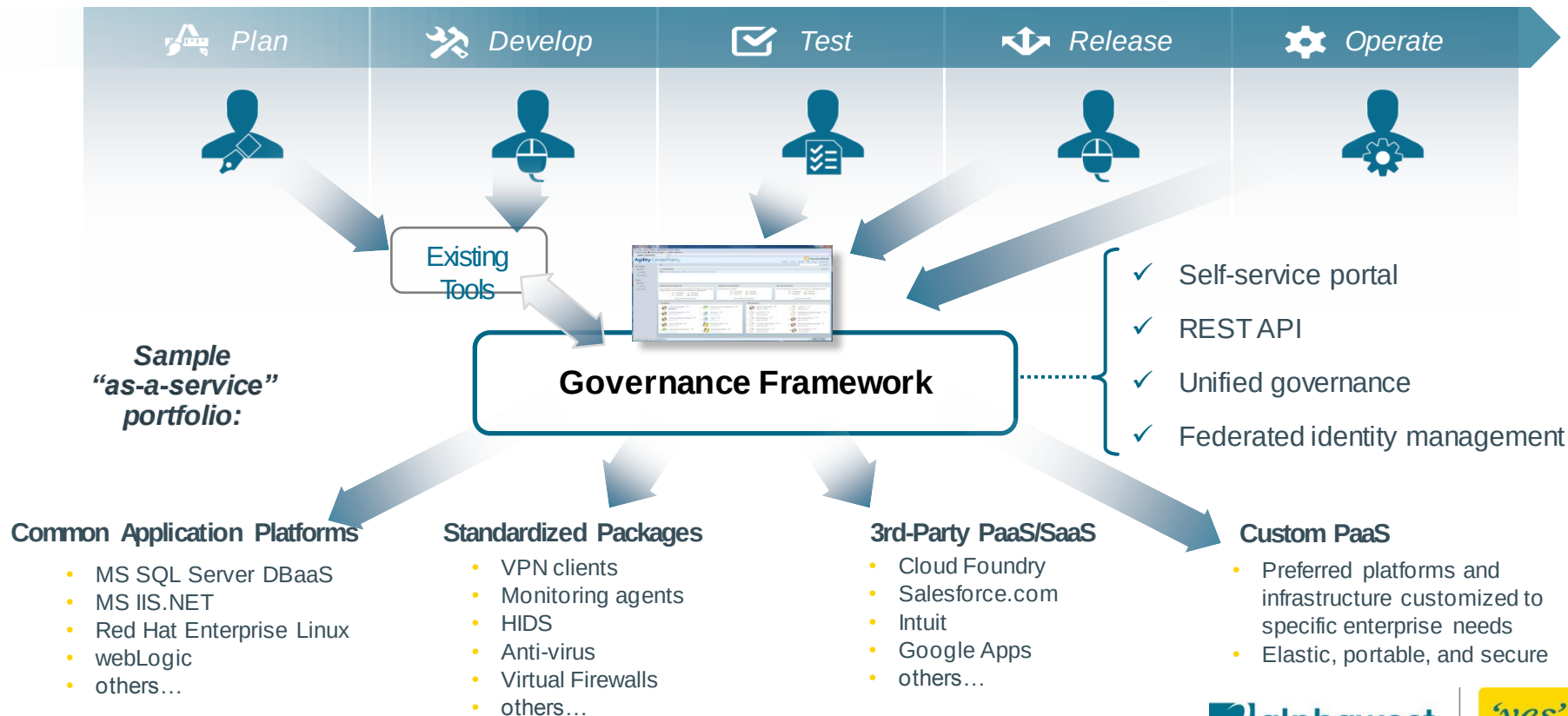
Without Policies:



With Policy-Driven Governance and Orchestration



Implement a standardised portfolio of “as-a-service” offerings



The Journey to Anything as a Service...

Enablement of cloud based services
– Realising the benefits

Realising the benefits

- You have reached your destination as an agile, cloud based service provider to your business, you now need to measure the operational efficiencies of:
 - Commoditisation economics
 - Standardisation economics
 - Multi-tenant economics
- This allows you to run your ship as optimally as possible i.e cost optimisation and happy CFO.

Change your team thinking

- SaaS, managed IaaS and PaaS move team away from managing infrastructure to managing outcomes
- IT Savvy Service Delivery Managers
- Treat your IT as a service provider, invest in IT 'Product Managers'...

Agility Benefits

- Leveraging anything as a service allows IT to rapidly launch new solutions to market to be more competitive but remember:
- Lean principles of product management
- Sell the dream
- Identify most efficient way to get product to market
- POC and test on one customer
- Grow your product once proven
- Ultimately – let projects fund IT and demonstrate the ROI!



Measure your outcomes

- Measure the success of your IT products and Services
- Establish IT Commercials and Vendor Management
- Ensure you have tested and audited SLA Management
- Adoption of managing Services and products focuses the business on commercial outcomes not technology drivers



Summary

- Get stakeholder buy in from top down
- Think about application workloads vs Infrastructure
- Be clear about desired outcomes
- Put a robust governance model in place
- Keep measuring and demonstrating ROI



Questions?