

IBM SolutionsConnect 2013

Turning Opportunity into Outcomes.



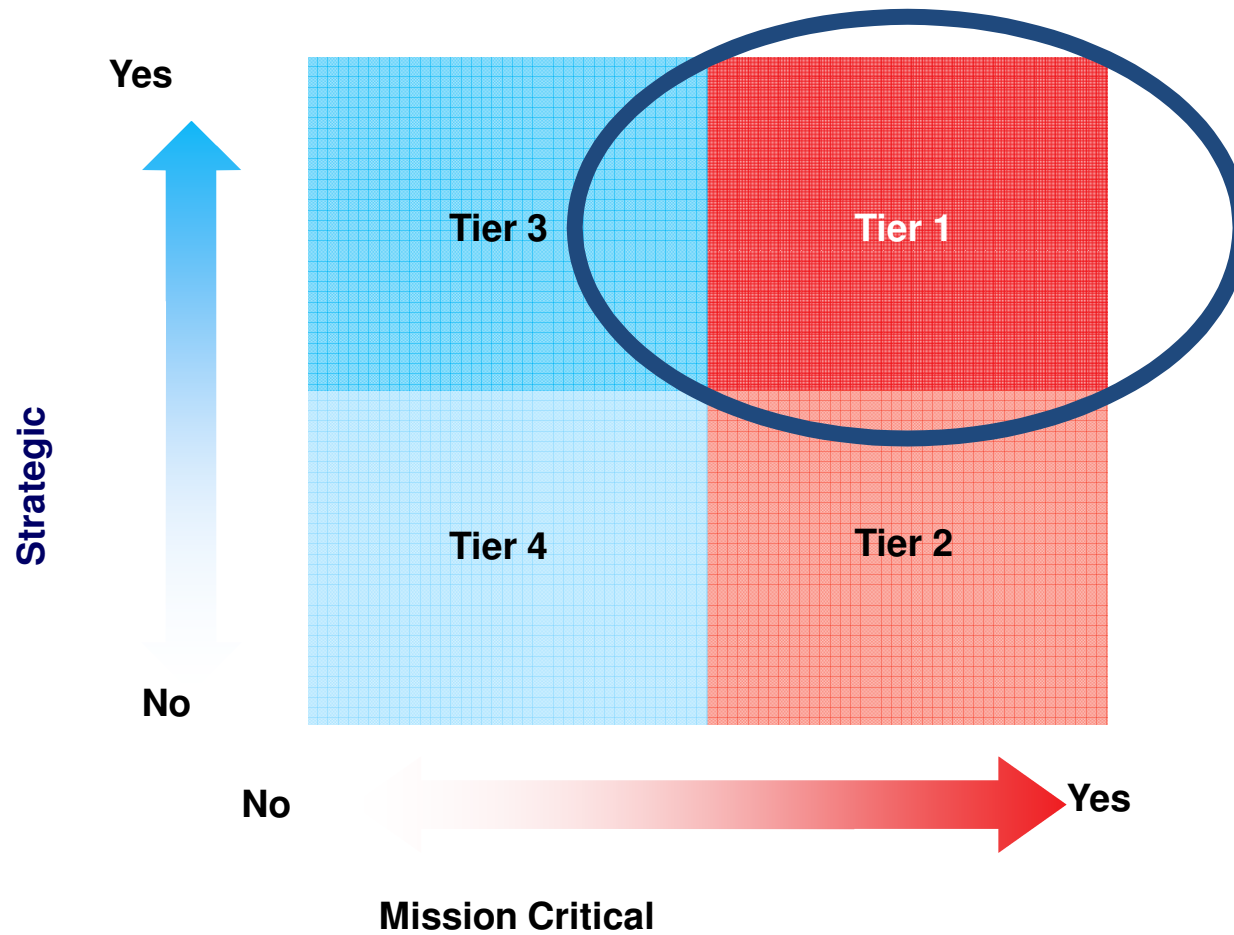
**If your head is in the cloud,
where are your feet?**

The near future of cloud is Hybrid

Bart Bogaert

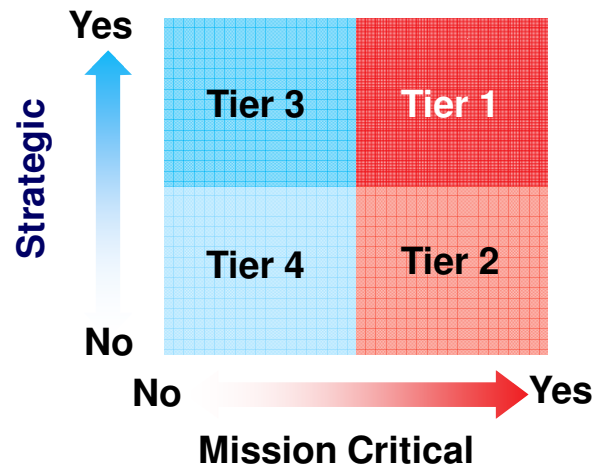


Everything we do in IT is strategic and business critical





Everything we do in IT is strategic and business critical ... or not?



- Most clients have many Tier 4 and relatively few Tier 1 applications
- Start by migrating Tier 4 applications to a cloud environment, moving lowest-risk applications first
- Apply lessons learned to subsequent migrations of higher tier applications

	Tier 4	Tier 3	Tier 2	Tier 1
Application Class	Not strategic or mission critical	Strategic but not mission critical	Mission critical	Key - Most critical
Typical distribution	55%	20%	20%	5%
Availability required	Low 95% or less	Medium 95-98.5%	High 99.5-99.7%	Very high Never down
Support effort	Best effort	Business hours	24*7	24*7
Monitoring	No monitoring	Basic server	Infrastructure	Application level

Make sure you choose the right cloud-mix

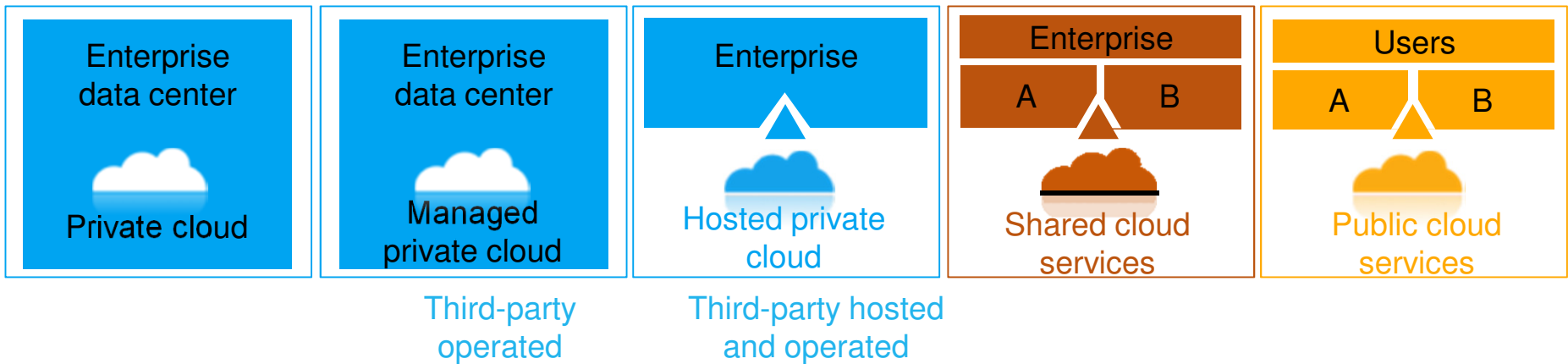


Private

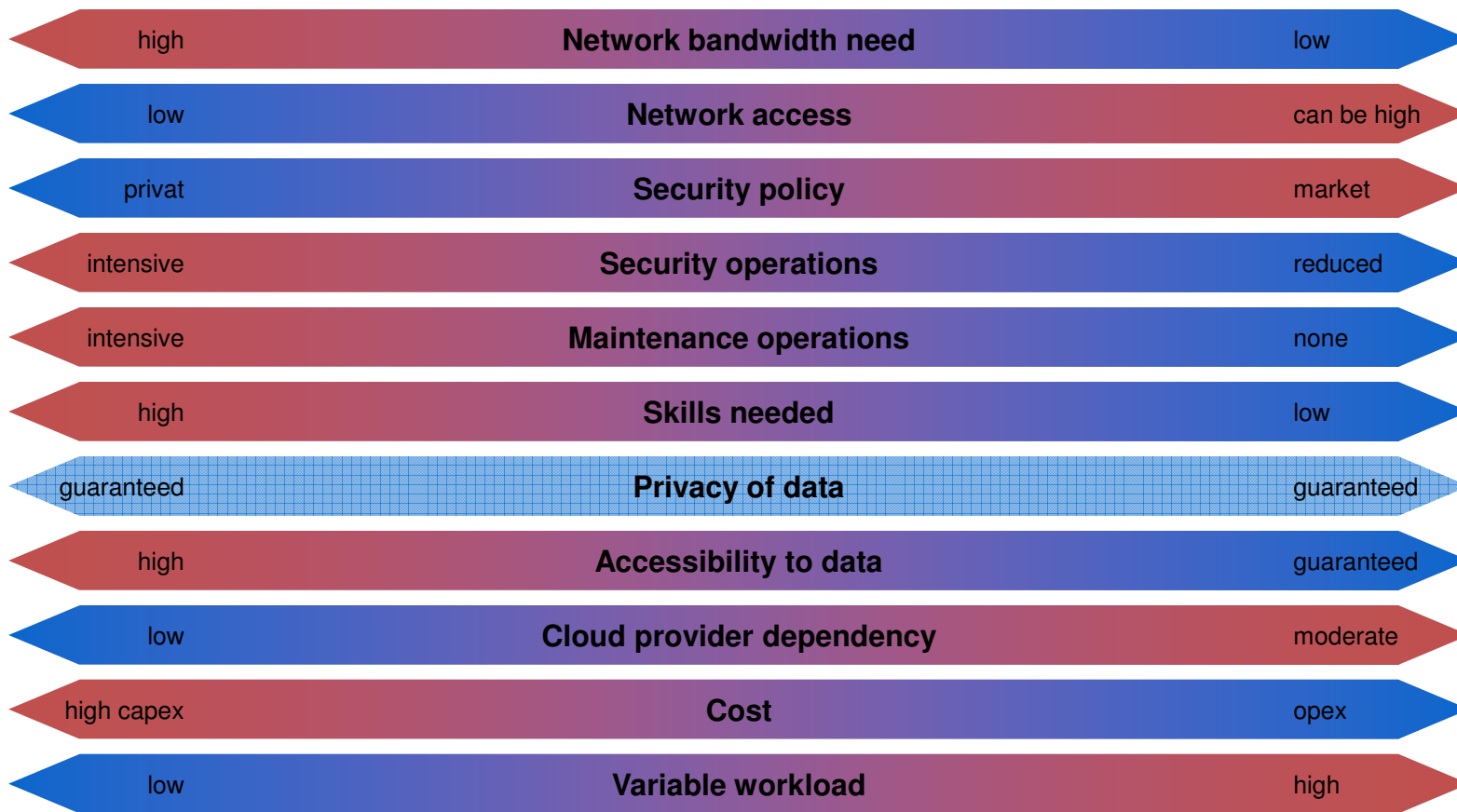
IT capabilities are provided “as a service,” over an intranet, within the enterprise and behind the firewall

Public

IT activities / functions are provided “as a service,” over the Internet



Decide by objective criteria



**Private
Cloud**

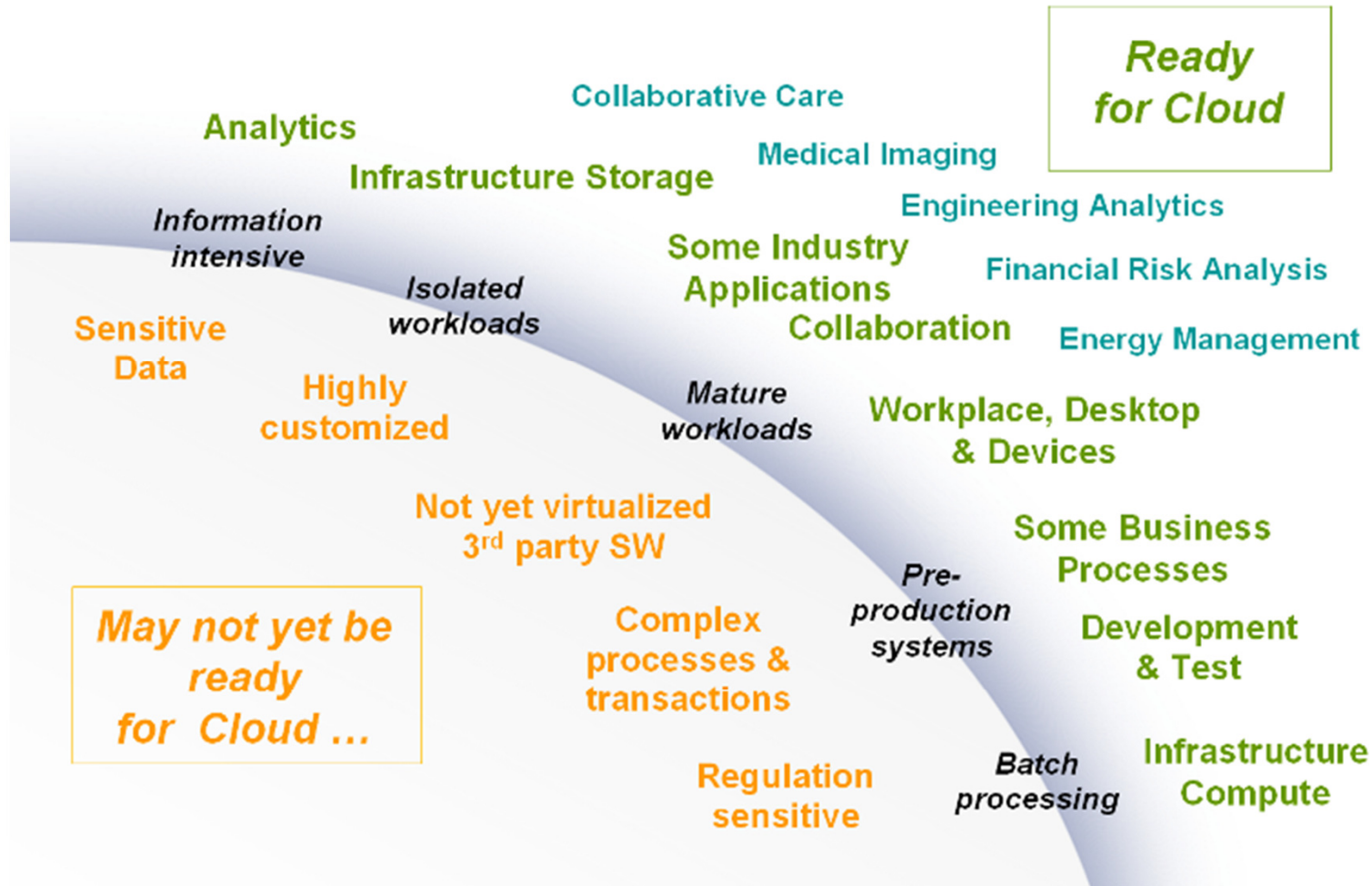


**Public
Cloud**





Still, combining workloads not ready for cloud and workloads ready for cloud, or already in the cloud read is today's challenge





Hybrid IT: bridging traditional IT with all cloud delivery models



Private cloud

On or off premises cloud infrastructure operated solely for an organization and managed by the organization or a third party



Public cloud

Available to the general public or a large industry group and owned by an organization selling cloud services.



Hybrid IT

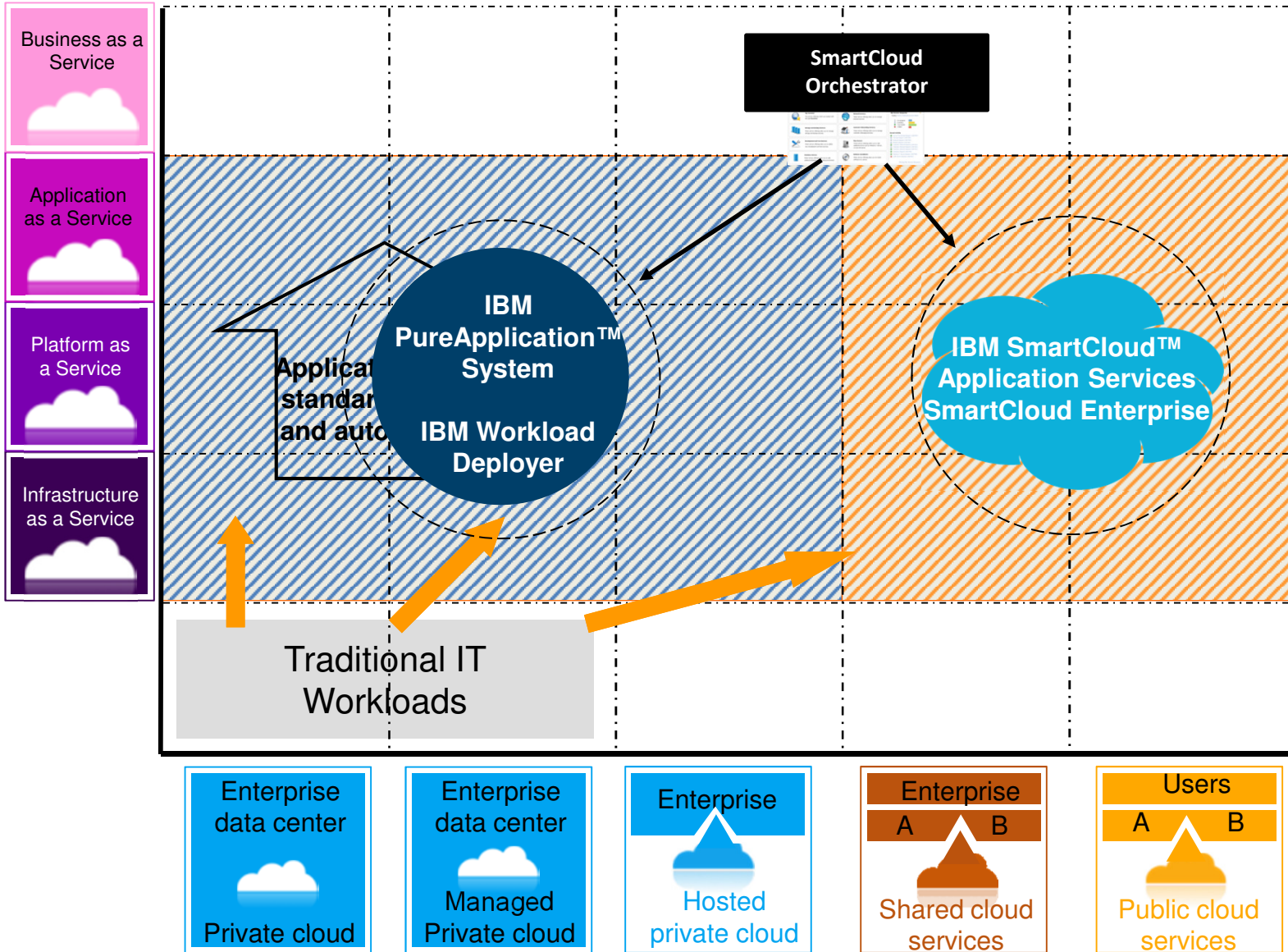
Traditional IT and clouds (public and/or private) that remain separate but are bound together by technology that enables data and application portability



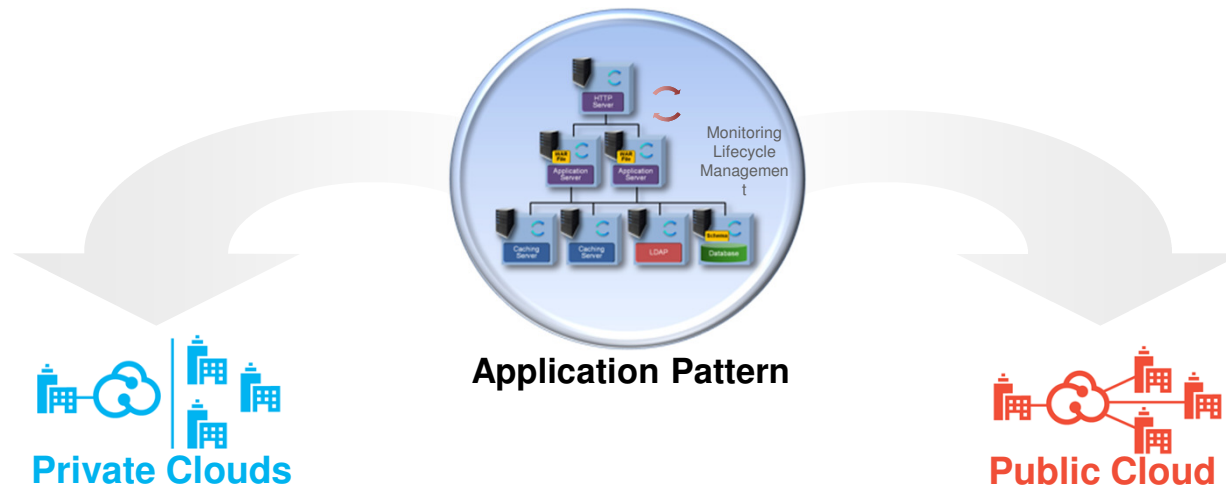
Traditional IT

Appliances, pre-integrated systems and standard hardware, software and networking.

Hybrid Cloud: integration and orchestration



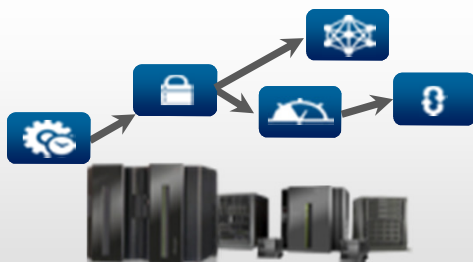
IBM SmartCloud supports Application Patterns across deployment options



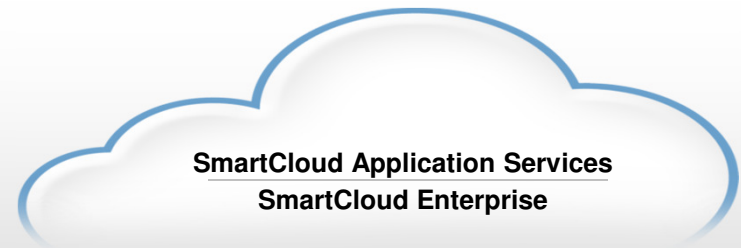
Deploy patterns to your existing infrastructure with SmartCloud Foundation

Deploy patterns to PureApplication System

Deploy patterns to SmartCloud Application Services



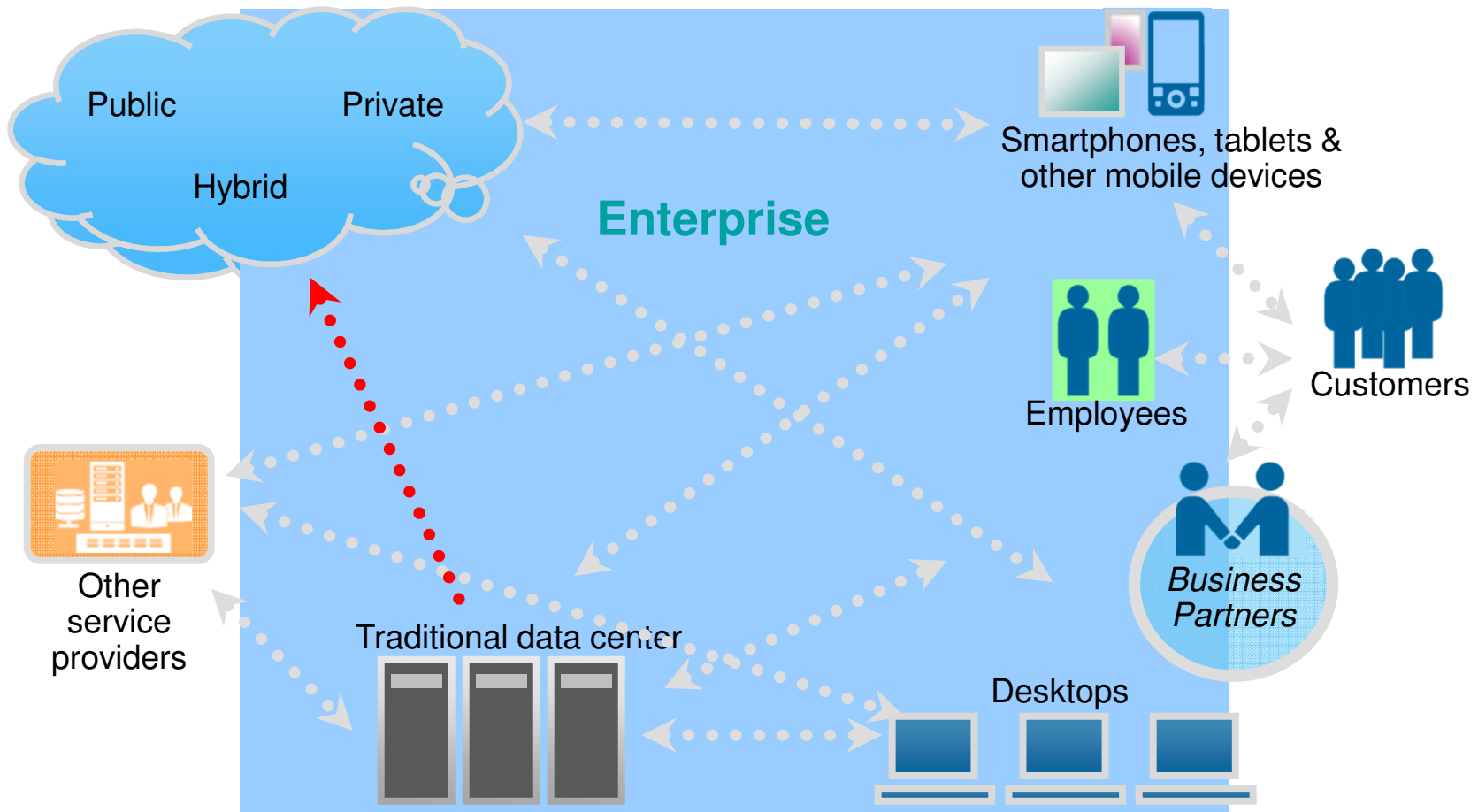
PureApplication



IBM SmartCloud Foundation

IBM SmartCloud Services

The future of the CIO Office





... with expected challenges ahead on multiple dimensions

Integration

How to connect on-premise services and data to off-premise counterparts, including business data mapping and service integration.

Security

How to integrate on-premise/off-premise identities, policies, auditing systems; how to ensure proper security of off-premise cloud workloads; How to secure management and payload interactions.

IT Service Management

Operational aspects of IT services and cloud adoption impact on IT processes.

Management

Manage capacity in the cloud; provisioning- and de-provisioning based on monitoring data, capacity overflow from on-premise to Cloud; DR and resiliency.

Governance

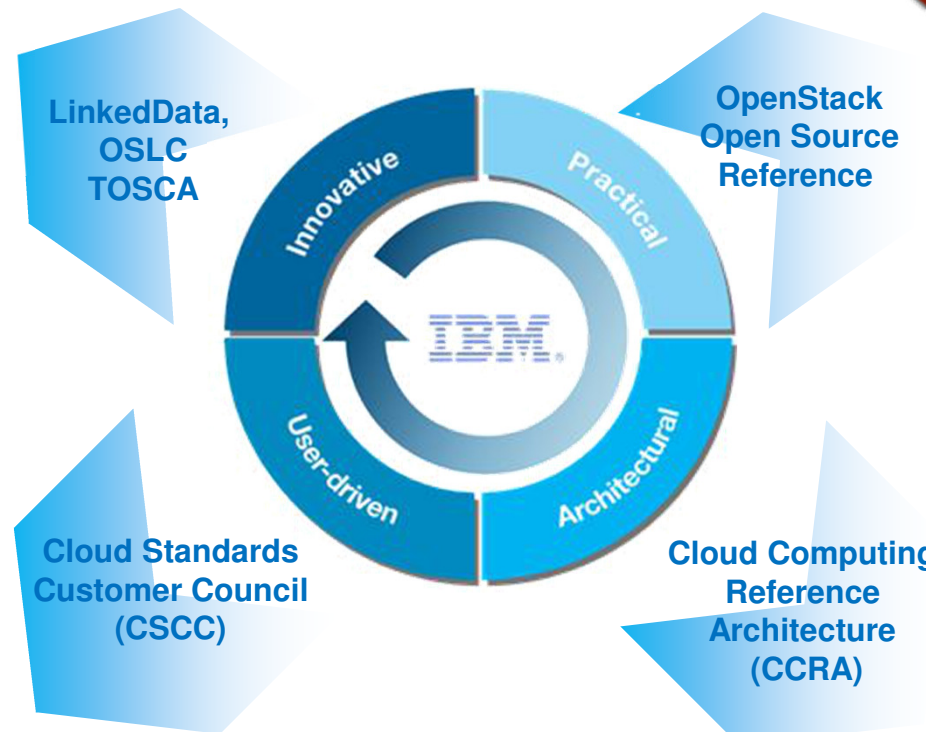
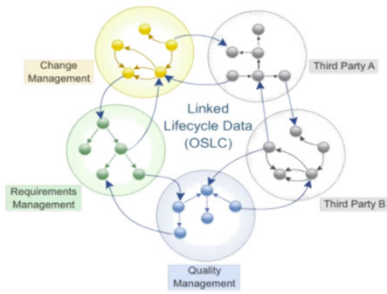
Who can, does, or should use which cloud-based services; characteristics of service request management of on- and off-premise resources.

Monitoring

Integrate monitoring of off-premise infrastructure and applications with an on-premise management system; Enable on-premise monitoring and event infrastructure to reach into clouds.

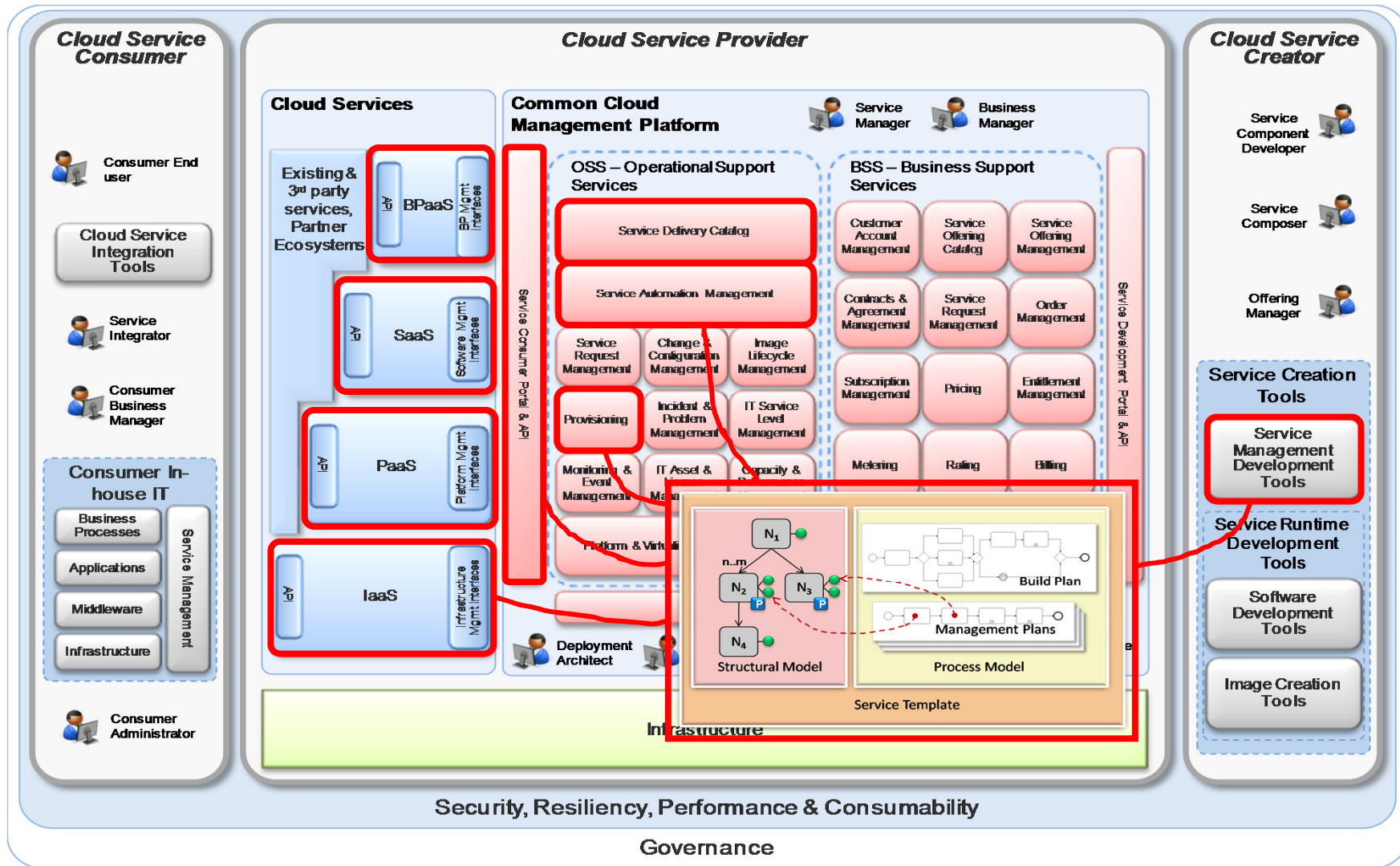


Pay close attention to vendor lock-in, even with cloud services ...

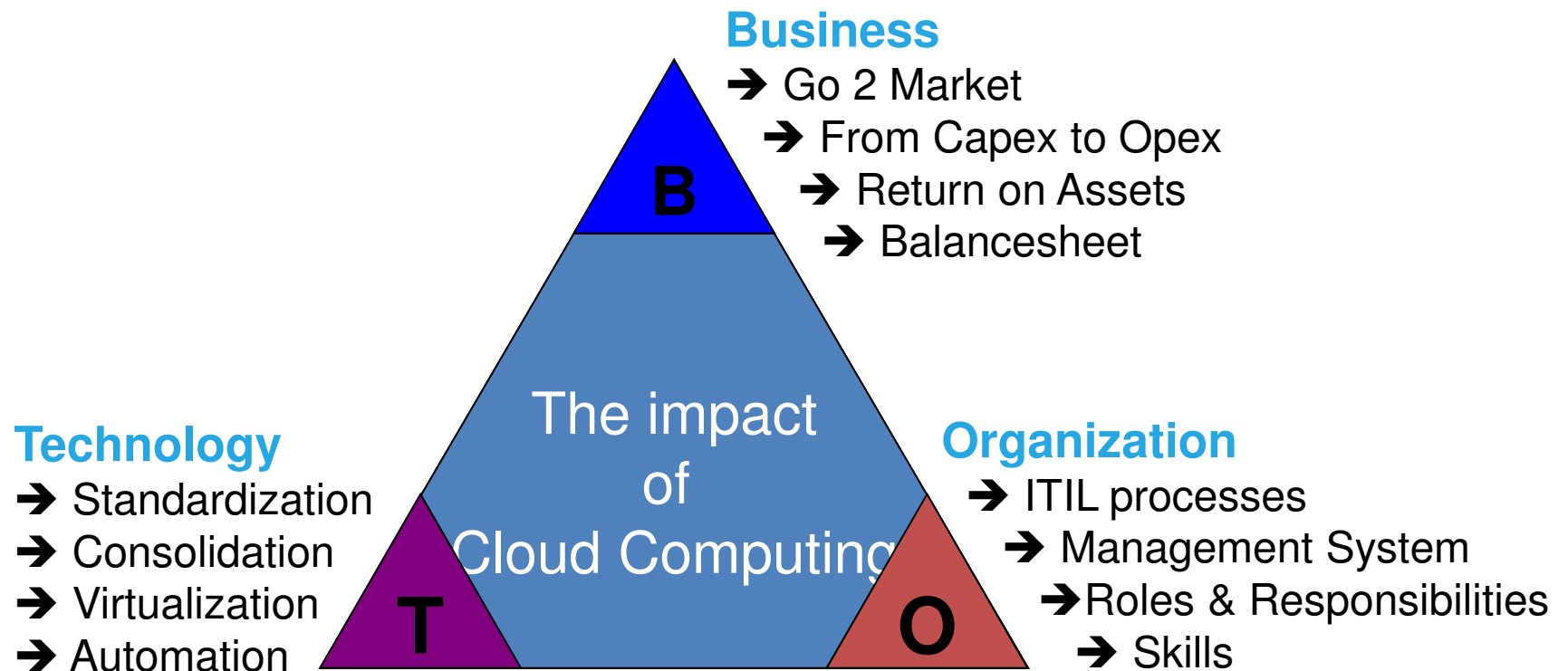




... and stay in the driver's seat using architectural control



... but don't forget that only 10% is about technology





Final Messages

- Define your **sourcing strategy** to include cloud services
- Always **stay in control** of your IT landscape:
 - Architectural
 - Security
 - Governance
- Make your cloud journey one that is **adaptable**, there will not be an definitive end-point anymore
- Make sure cloud services are properly **imbedded in your organization**



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About me ...



Bart Bogaert
Business Development
Executive at IBM
2 Eng Degrees (Ghent)
Ph.D. (Tilburg)
<http://bart.bogaert.com>

and my spending ...



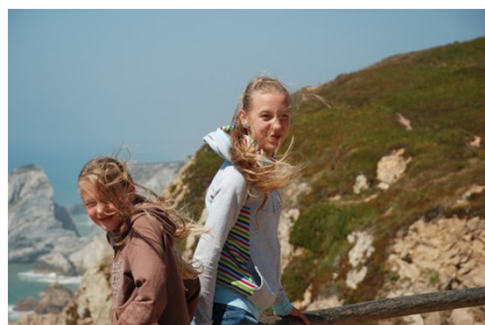
Traveling



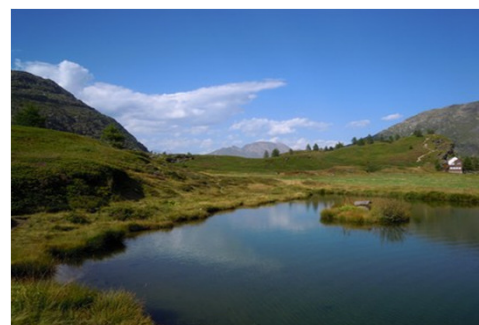
Born in medieval
Manhattan (Ghent),
Worked for Siemens
(DE and BE) and IBM
in international and
national functions.



Flying (private
licenses JAR
and FAA)



Proud father of
two daughters, oldest
loves ninja fighting
and skiing, youngest
plays violin and
dances ballet.



Photography

