

Cloud readiness

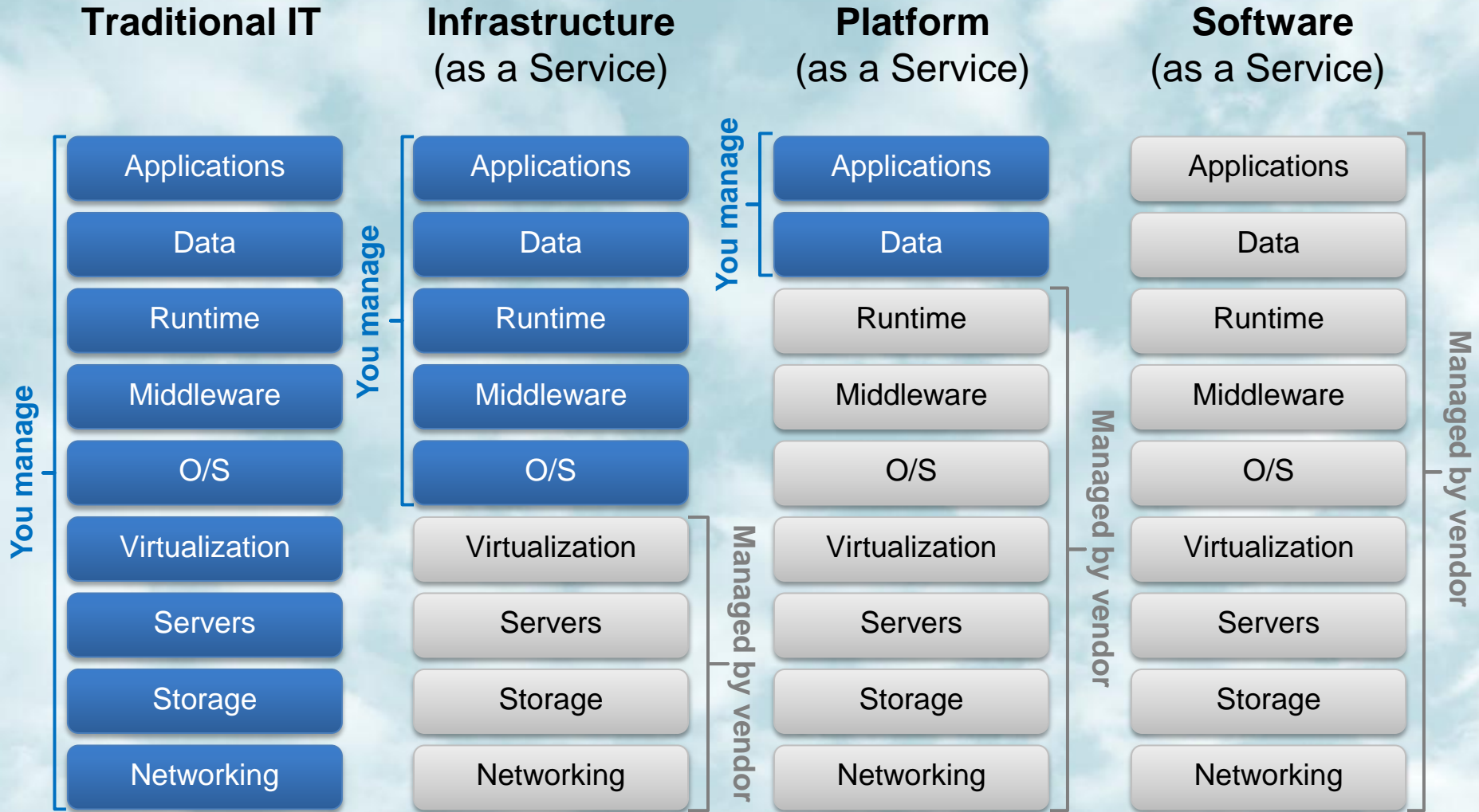
Being positioned to exploit and understand the cloud applications and services that can benefit your business

Bob Tarzey

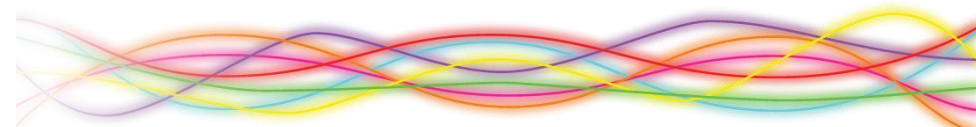
Analyst and Director, Quocirca

October 19th, 2011

What is the cloud?



Courtesy of 2e2



Cloud based services

SaaS




PaaS

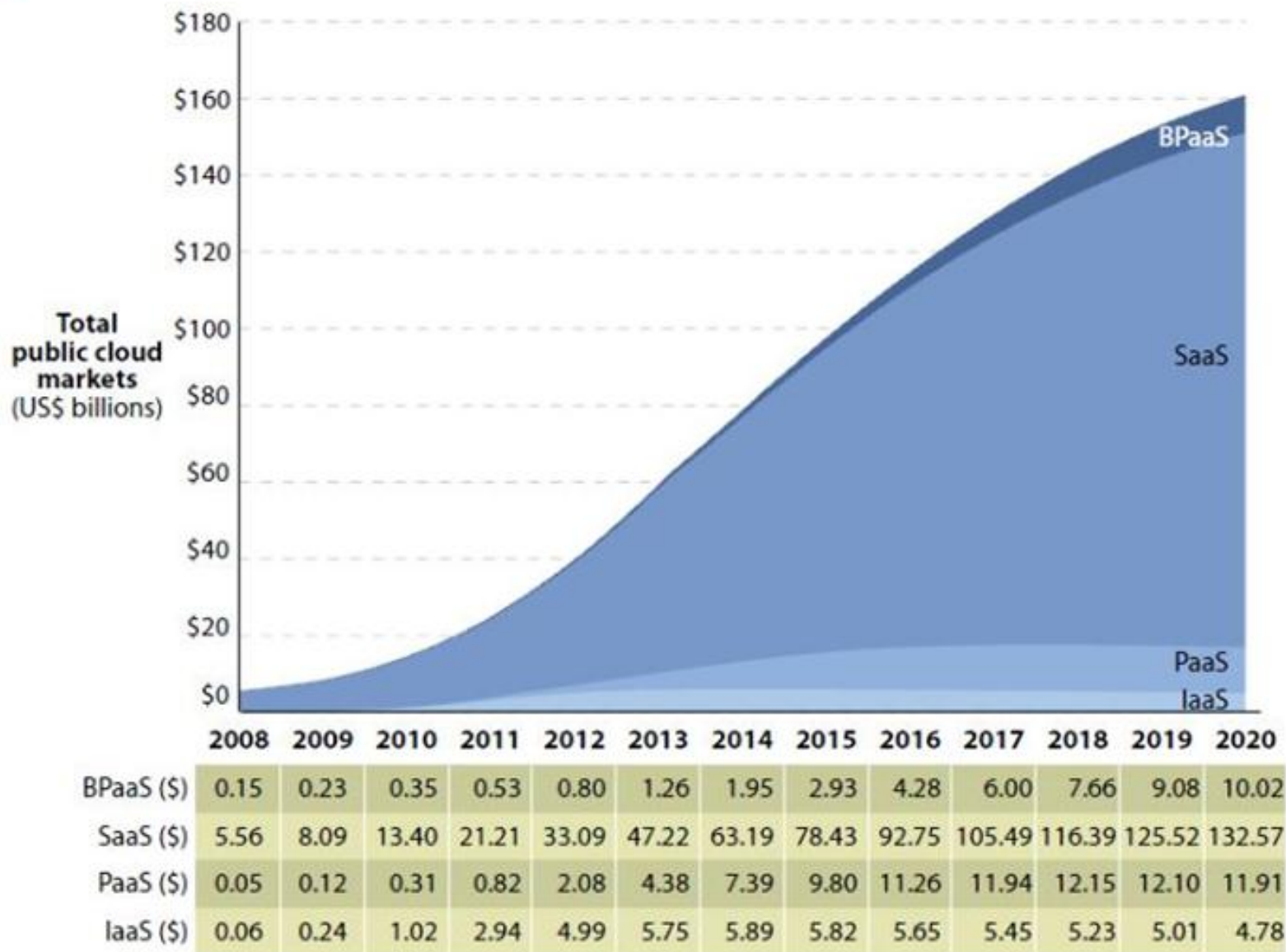


IaaS



Figure 3 Forecast: Global Public Cloud Market Size, 2011 To 2020

 The spreadsheet detailing this forecast is available online.



Other “clouds”

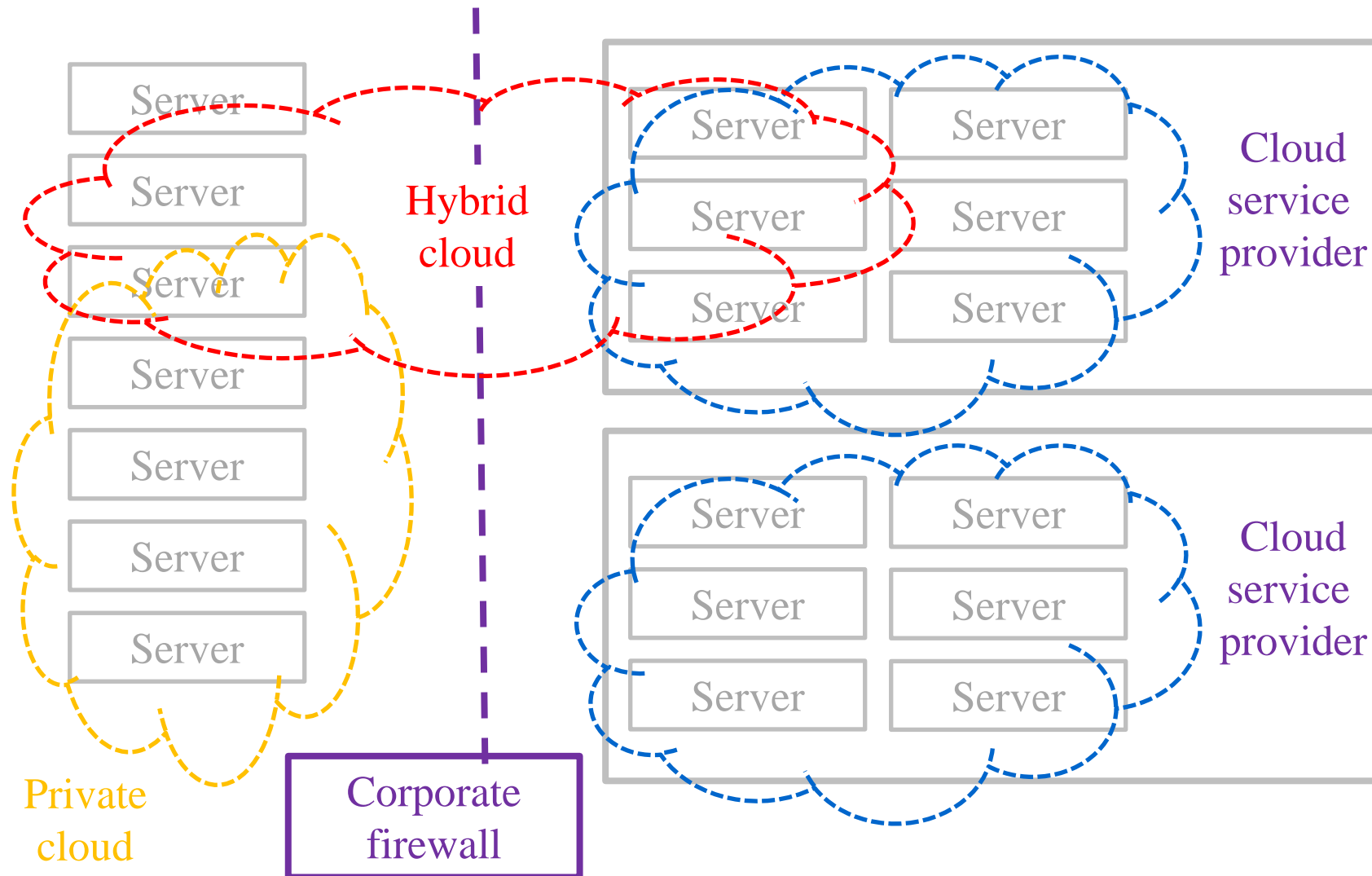
- Private clouds
- Consumer cloud services (web 2.0)
- G-Cloud



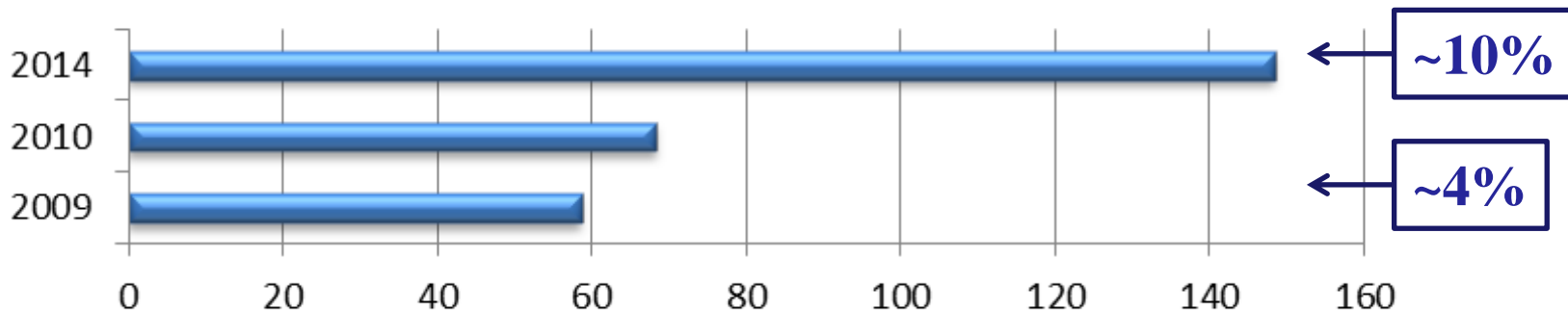
Public clouds, private clouds and hybrid clouds

Private infrastructure

Public cloud infrastructure

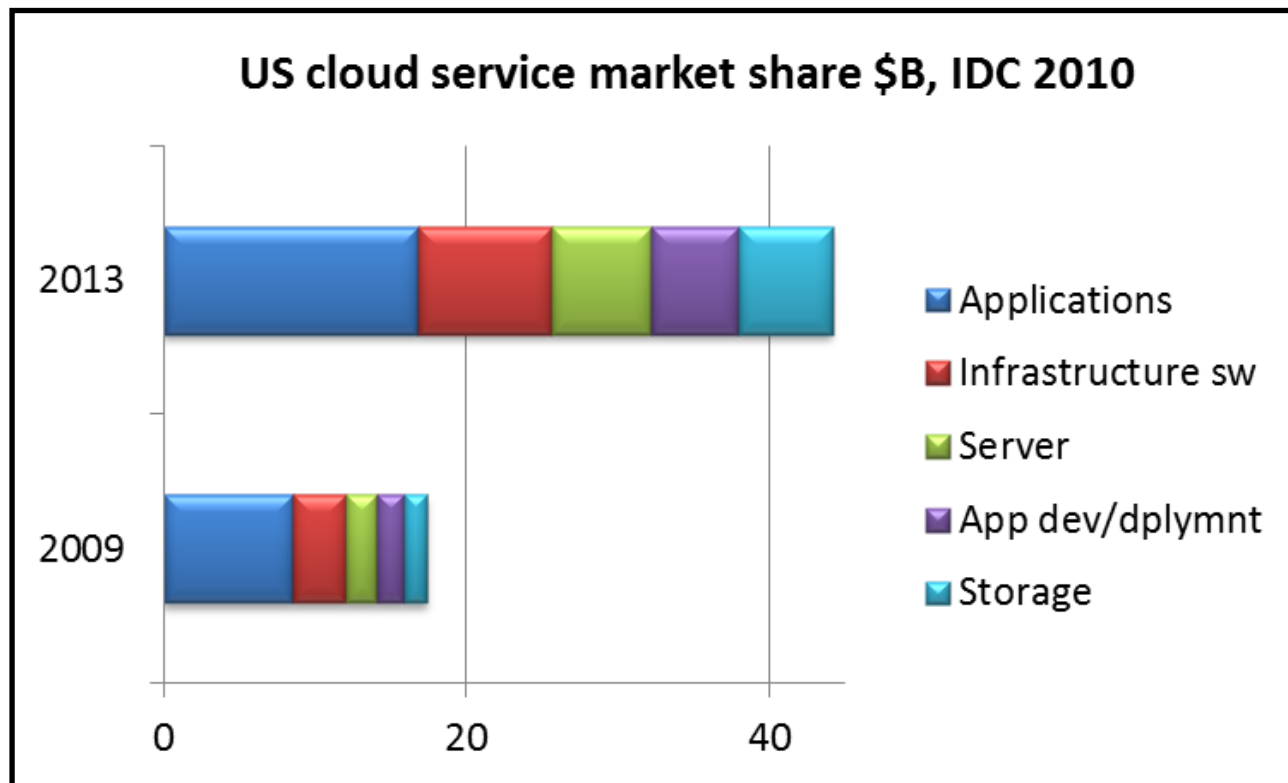


Gartner worldwide cloud revenues (2010) - \$B



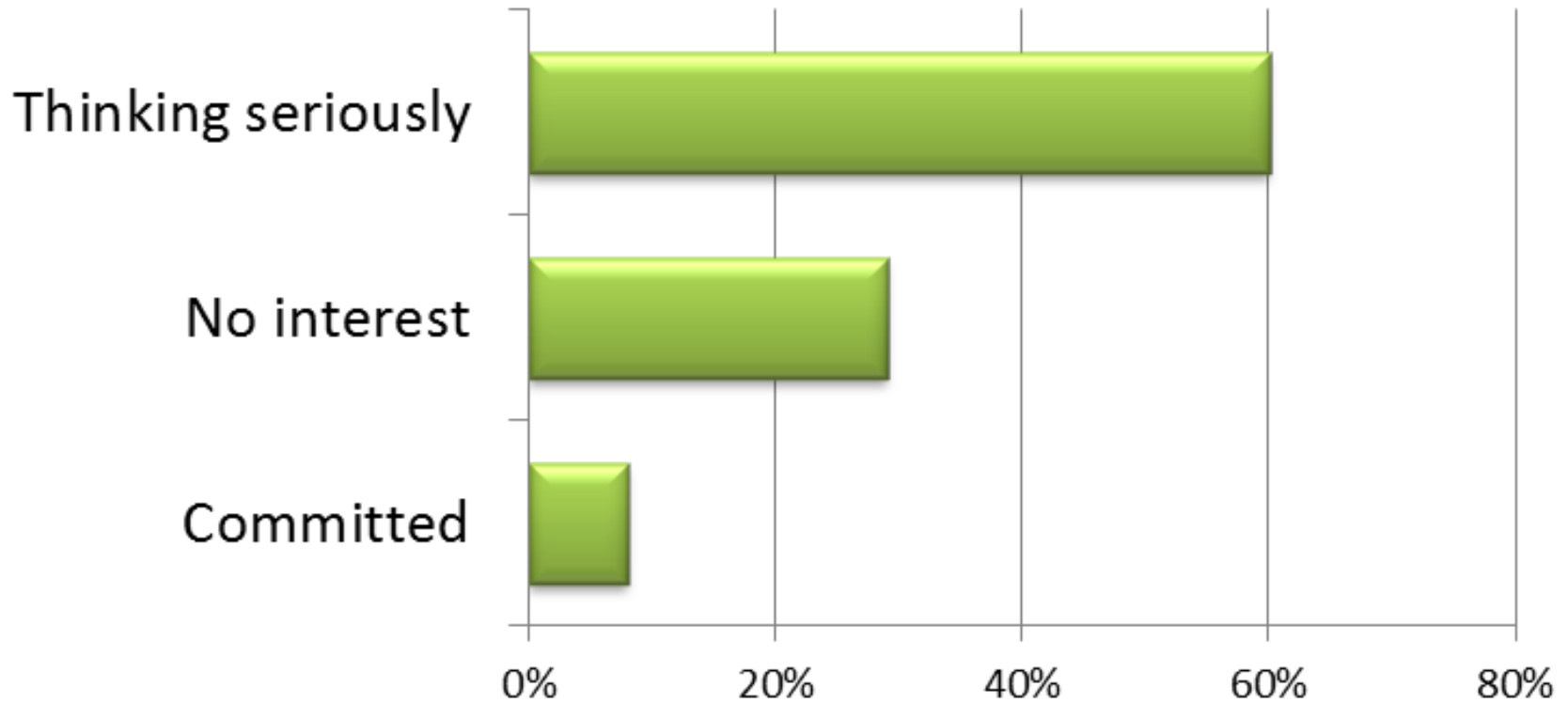
Total global IT spending 2011 = \$1.5Ttn (Economist)

US cloud service market share \$B, IDC 2010

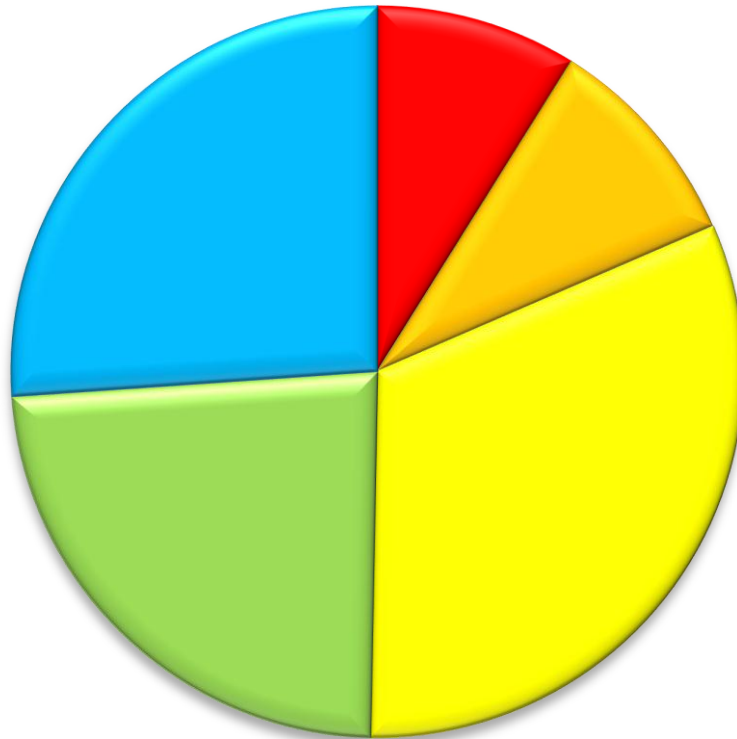


CIO view of cloud

CIO Magazine 2010 - views on cloud computing
(800 responses)

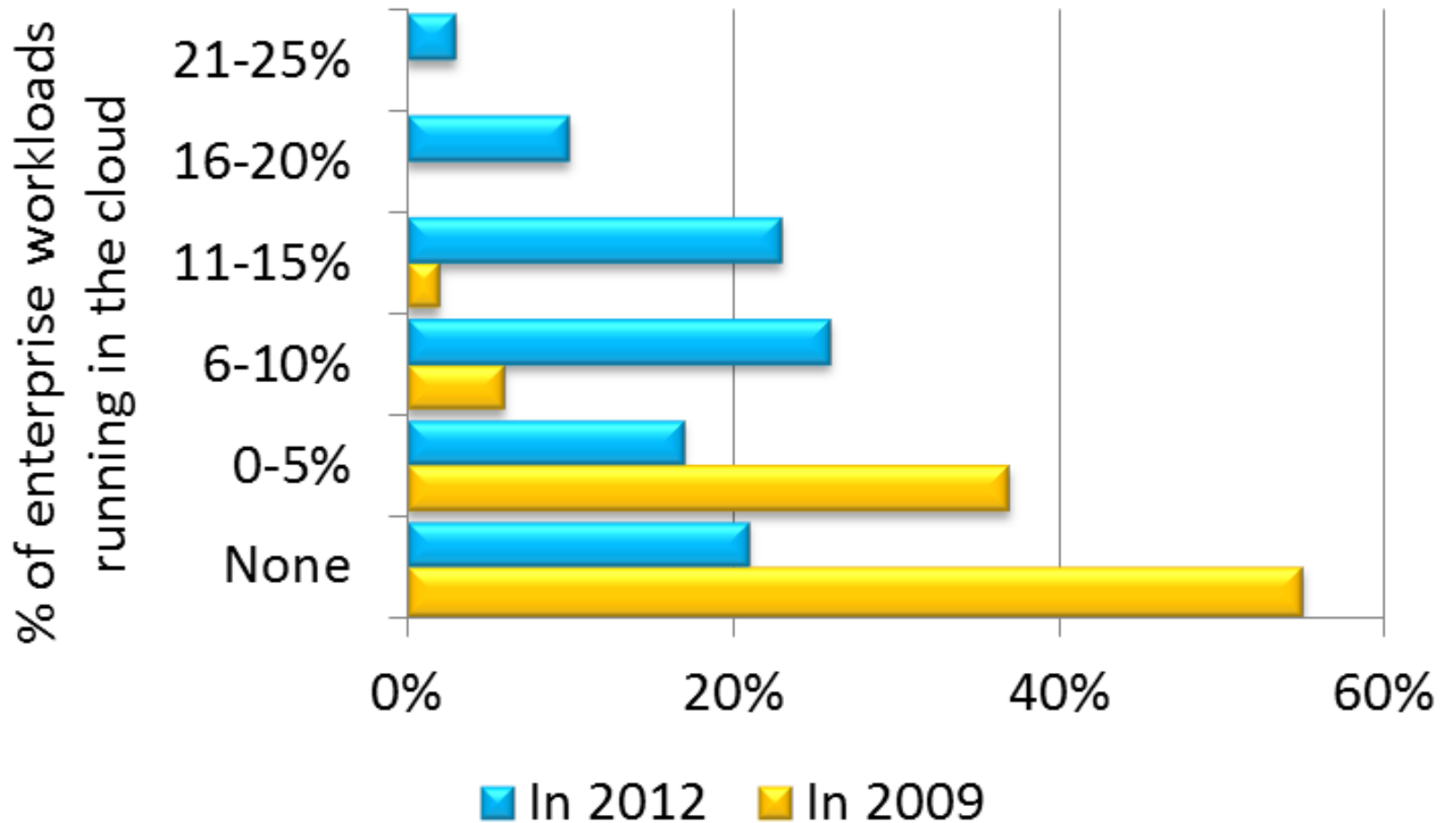


ISACA - UK organisations cloud computing plans (April 2010)



- Mission critical IT services
- Only low risk IT services
- No plans for any IT services
- No formalised plans
- Not aware of any plans

Growth in use of cloud – source Nov 2009, Goldman Sachs IT Spending Survey



Machines in the sky

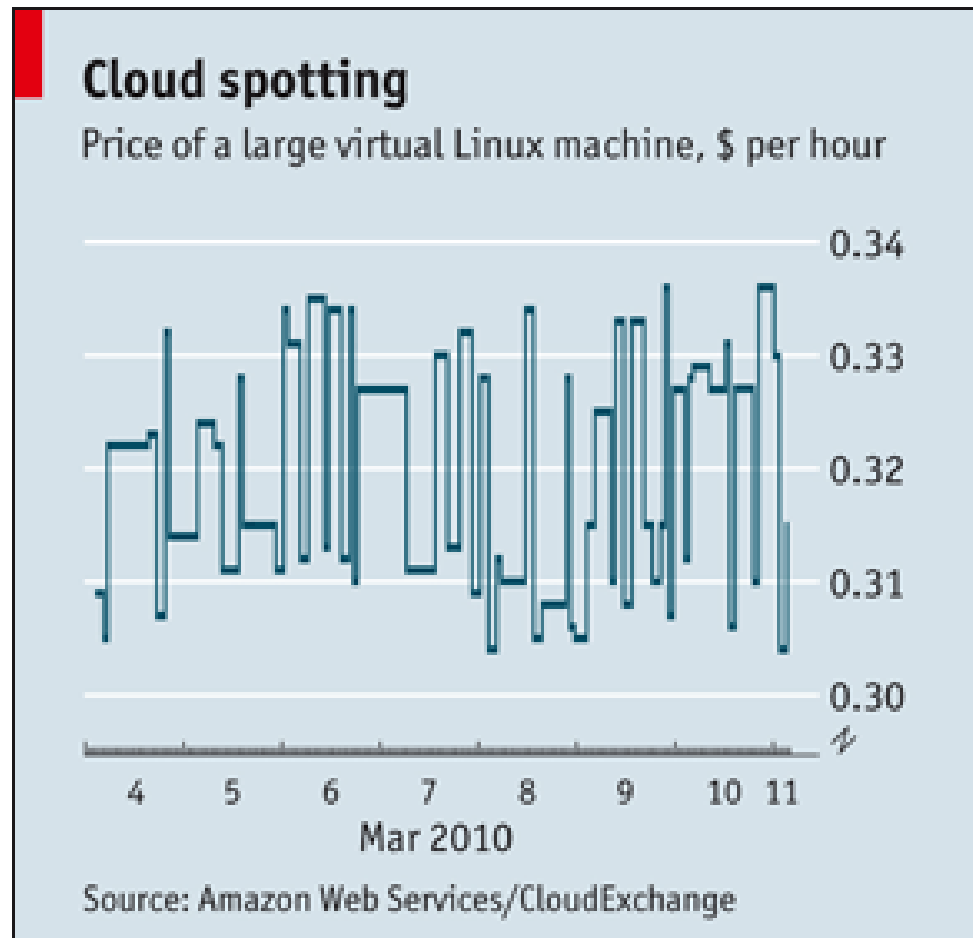
Amazon's virtual computers, '000 created per day*



Source: Cloudkick

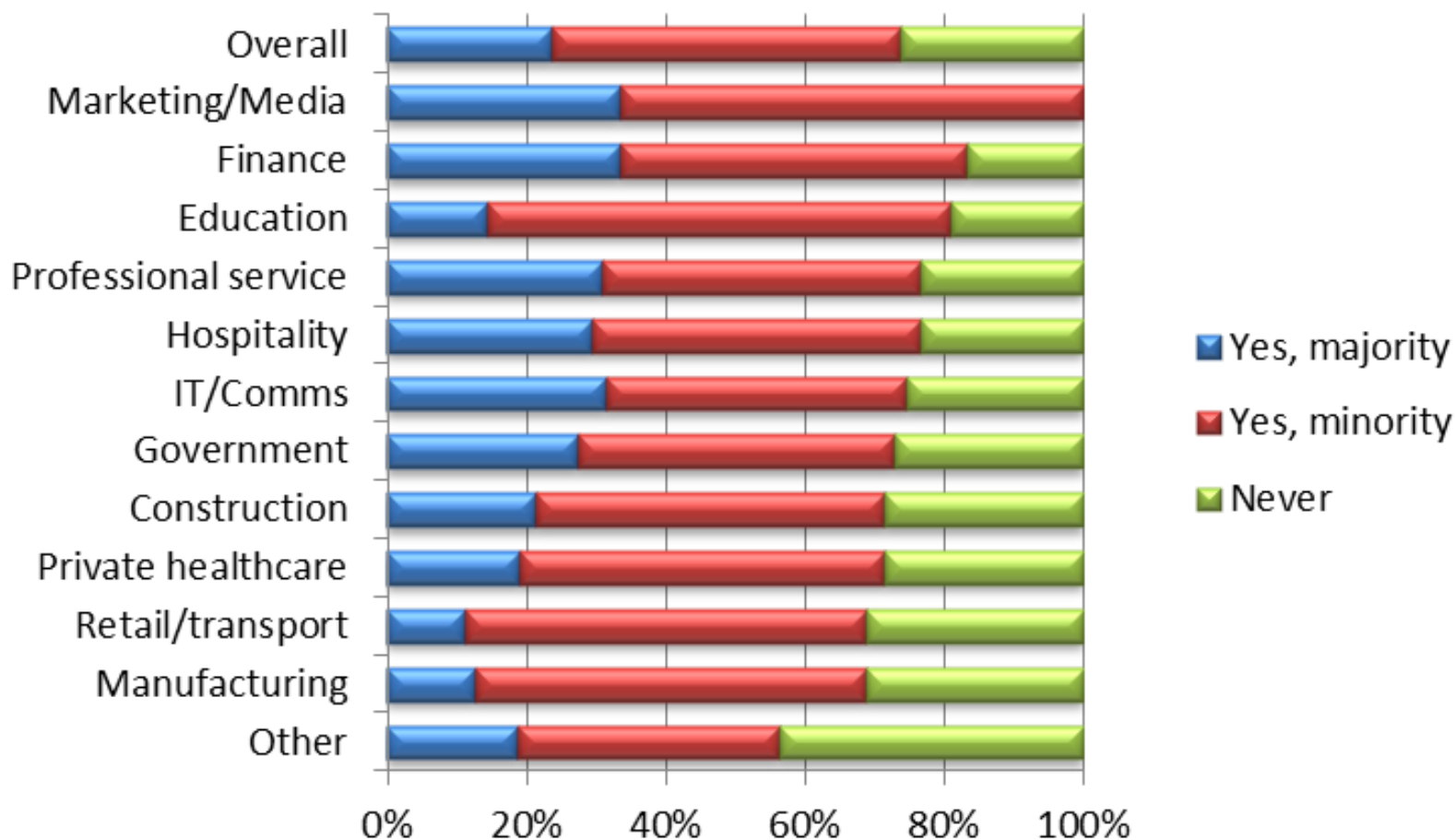
*3-month moving average

The commodity cloud



Sell capacity
Buy capacity (save 60%)

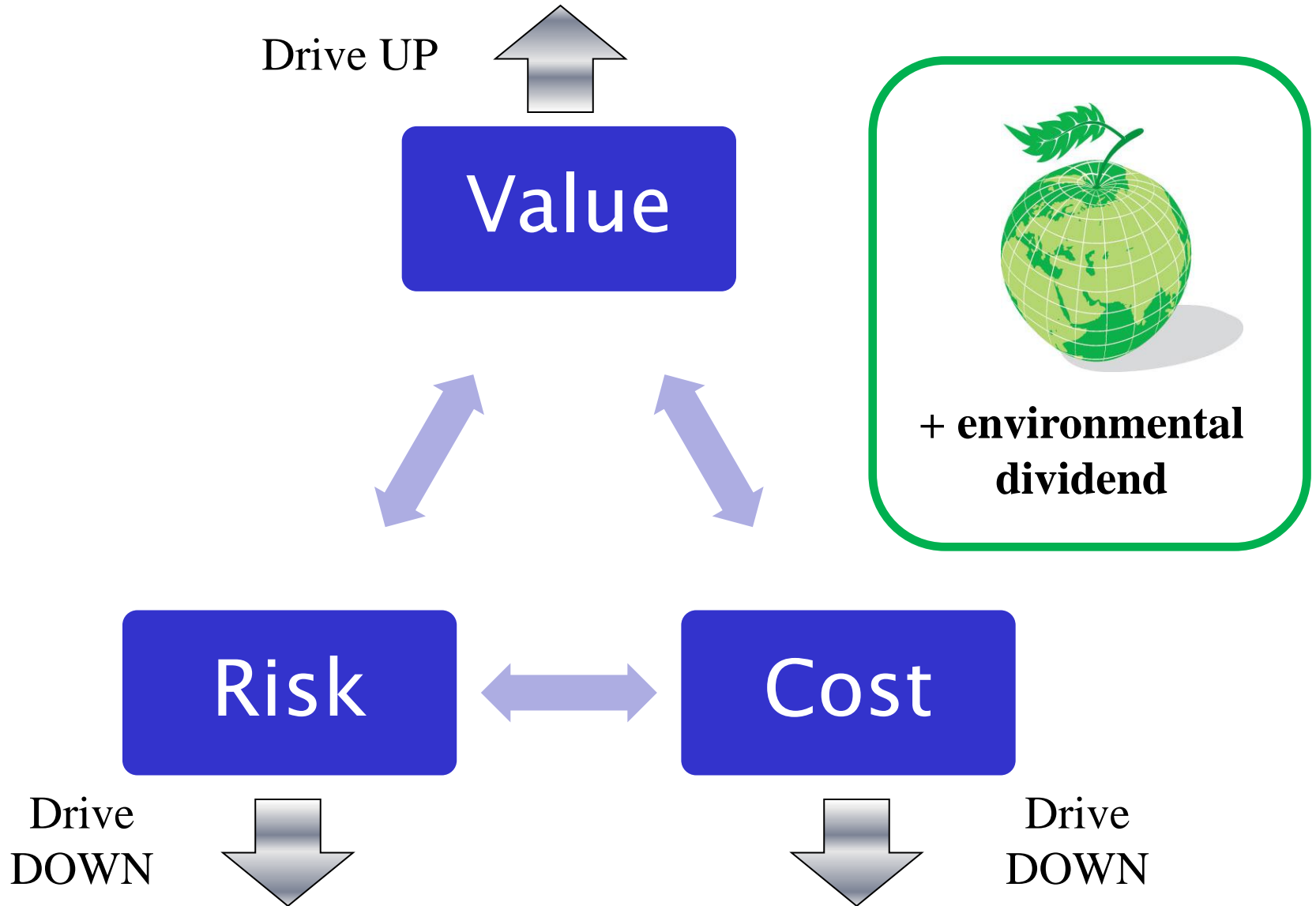
Do you allow employees to use their own devices to access data and certain applications?



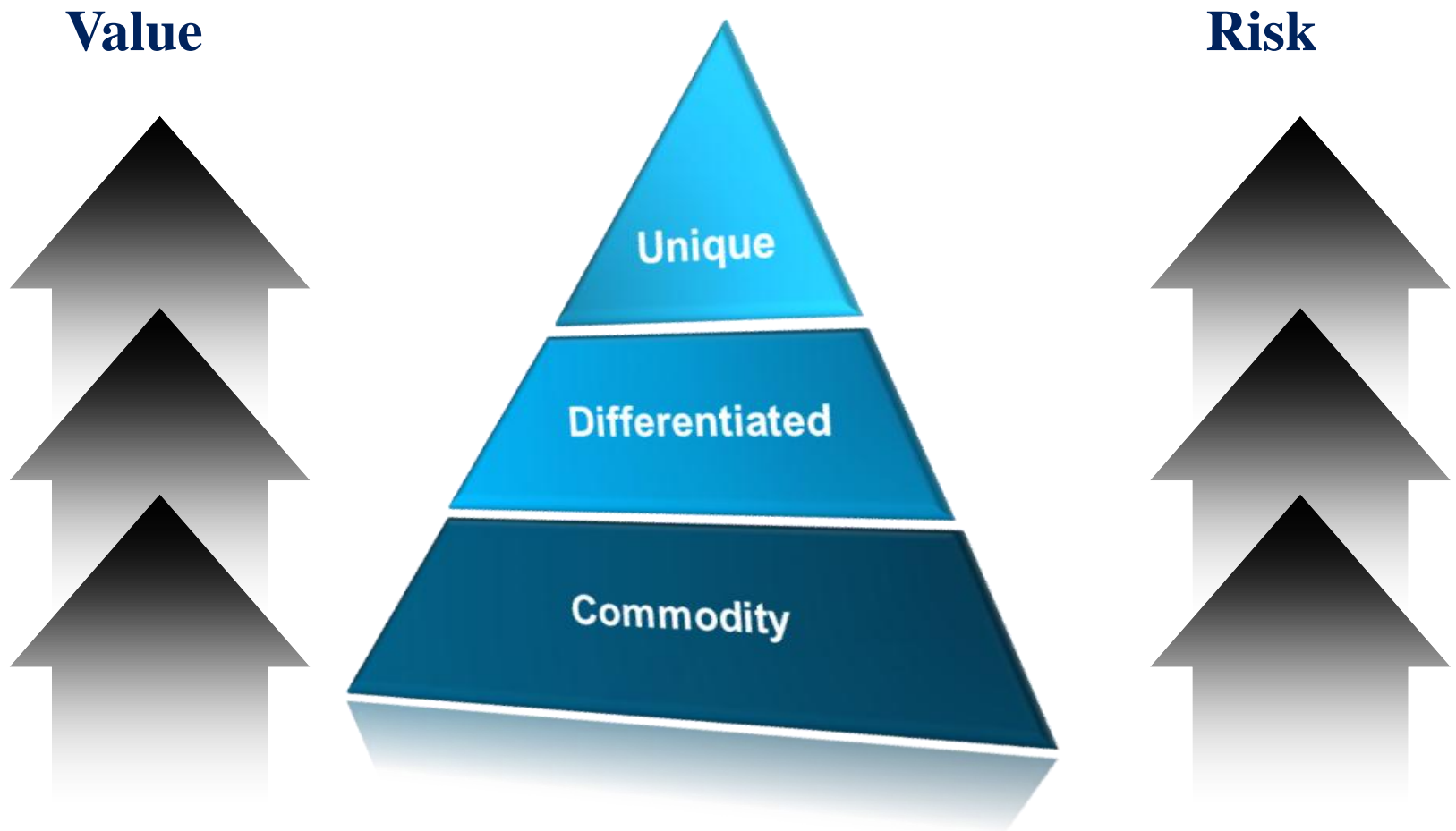
Consumer cloud services



A value proposition for the cloud



The business process triangle



Percieved risk

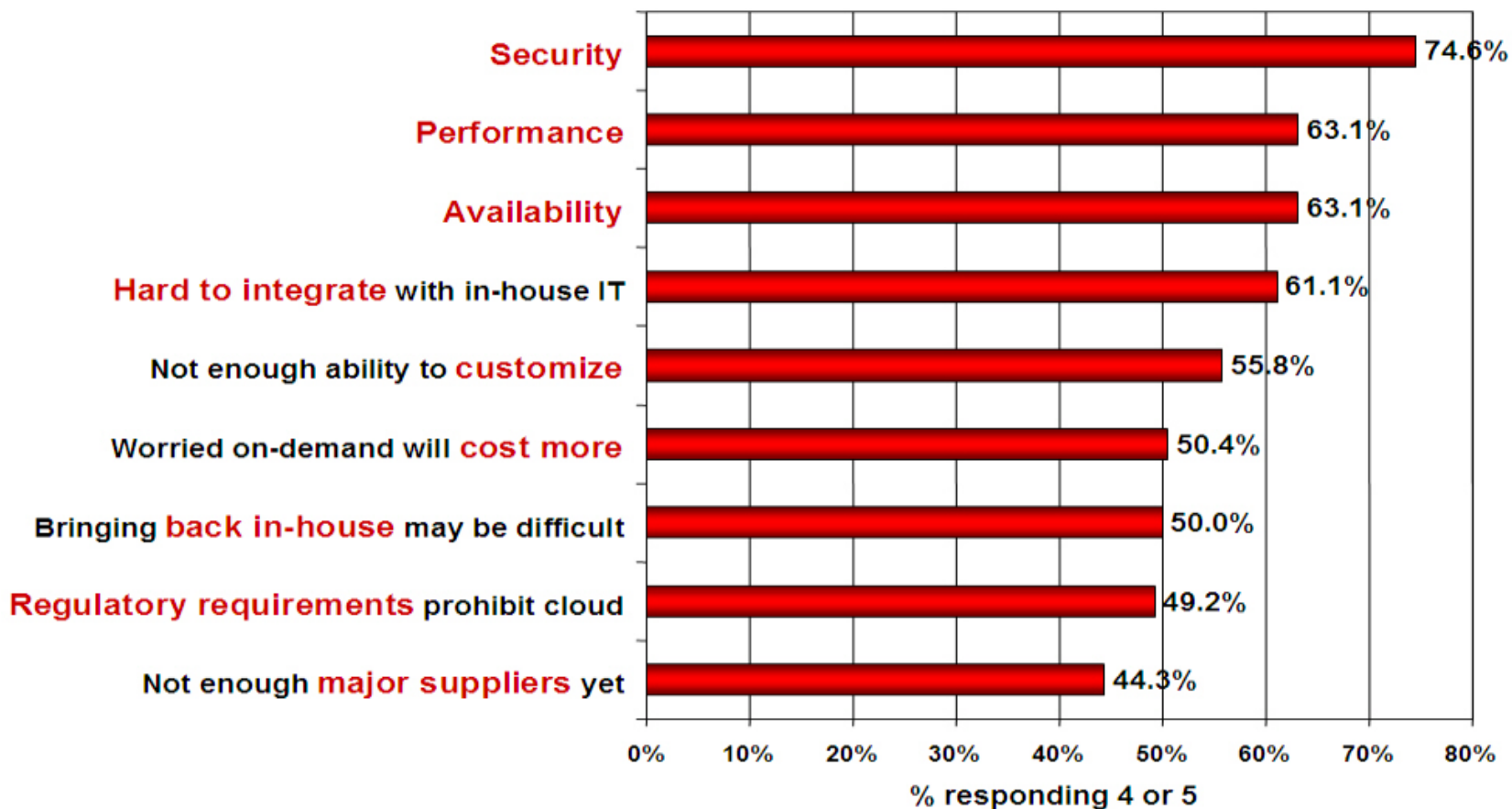
- Security
- Integration
- Regulatory requirements
- Data backup/disaster recovery/business continuity
- Availability
- Cost
- Performance
- No customisable
- Bringing back in house
- Moving work loads



**Increasing
concern
(approx)**

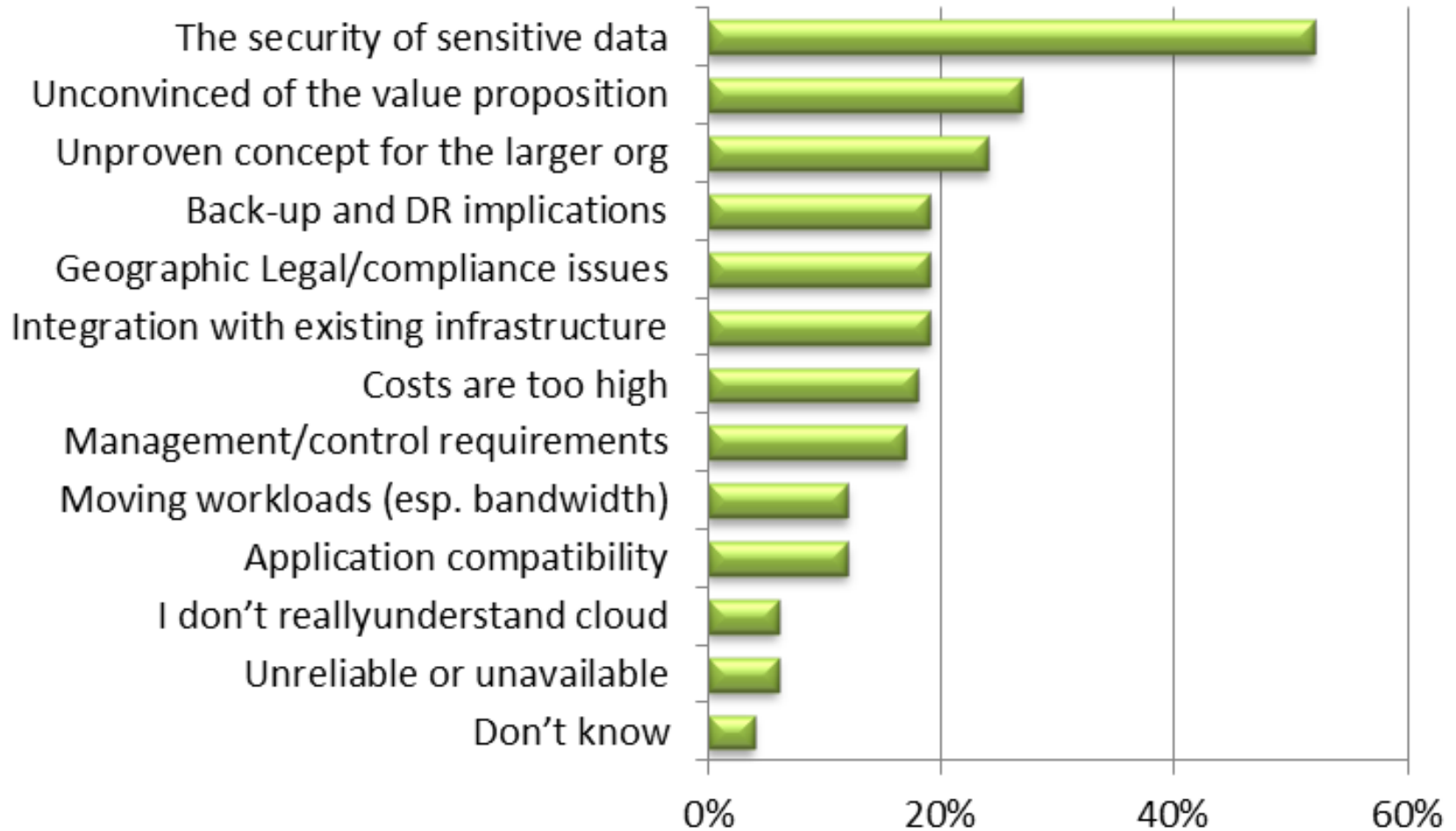
Cloud risk – IDC 2008

Q: Rate the **challenges/issues** ascribed to the 'cloud'/on-demand model
(1=not significant, 5=very significant)

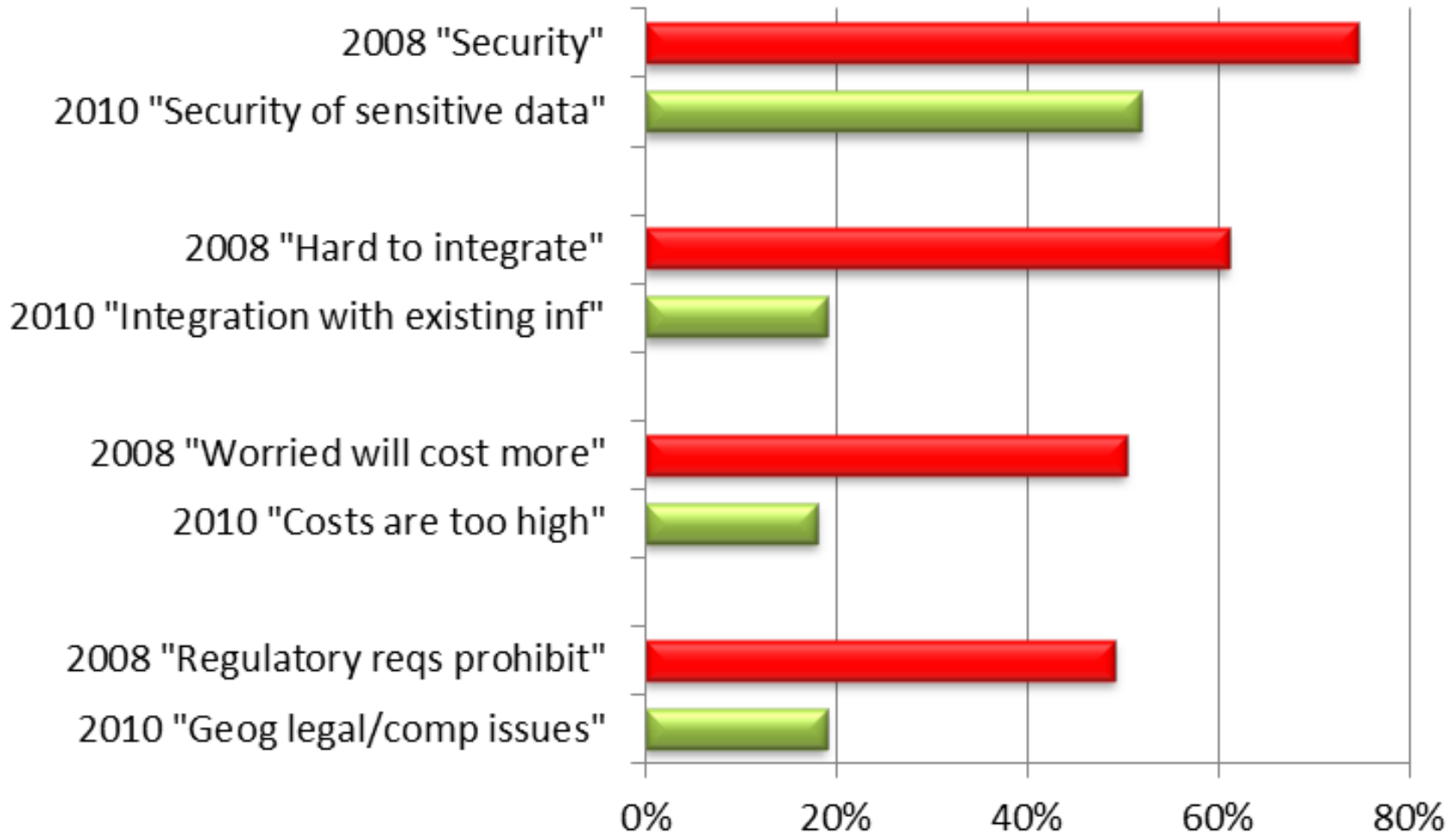


Source: IDC Enterprise Pa

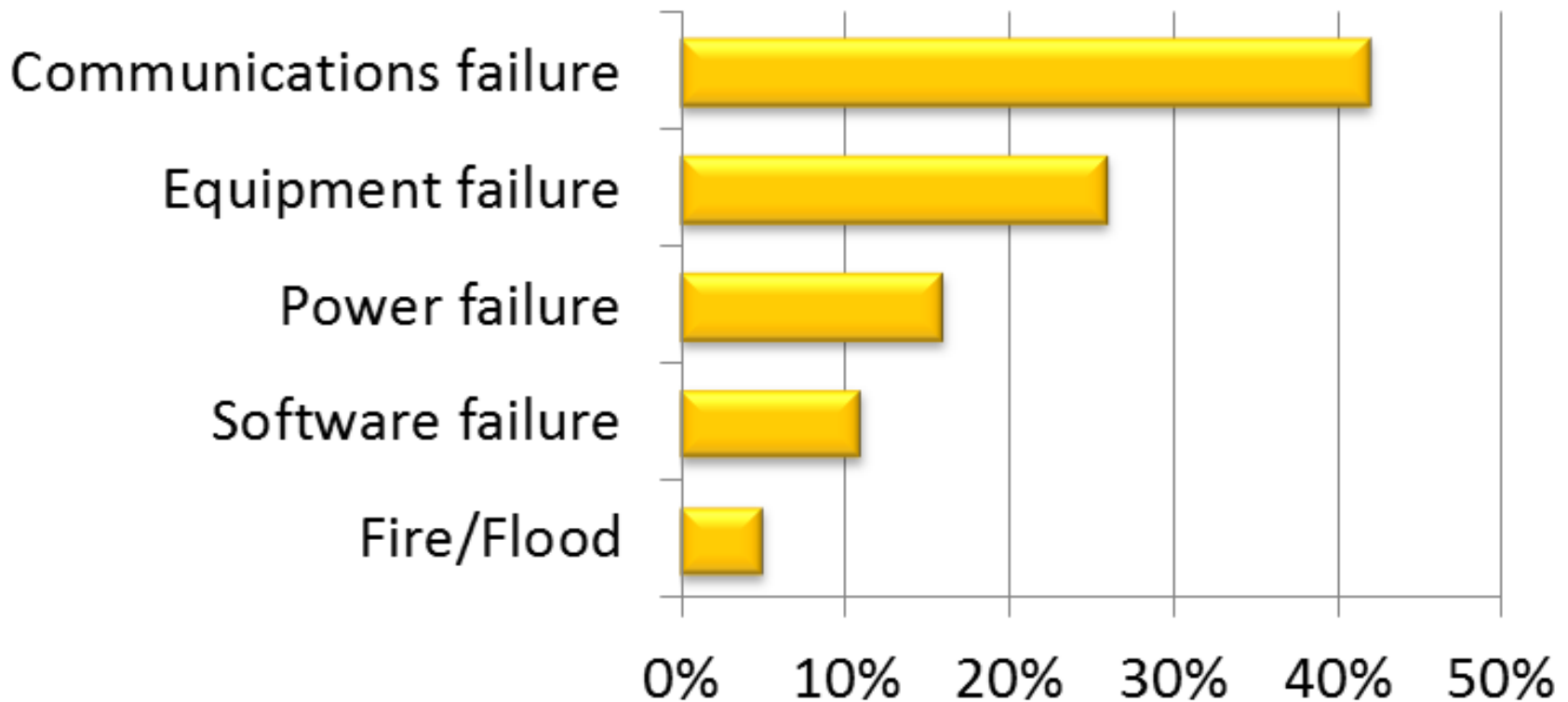
Savvis 2010 survey



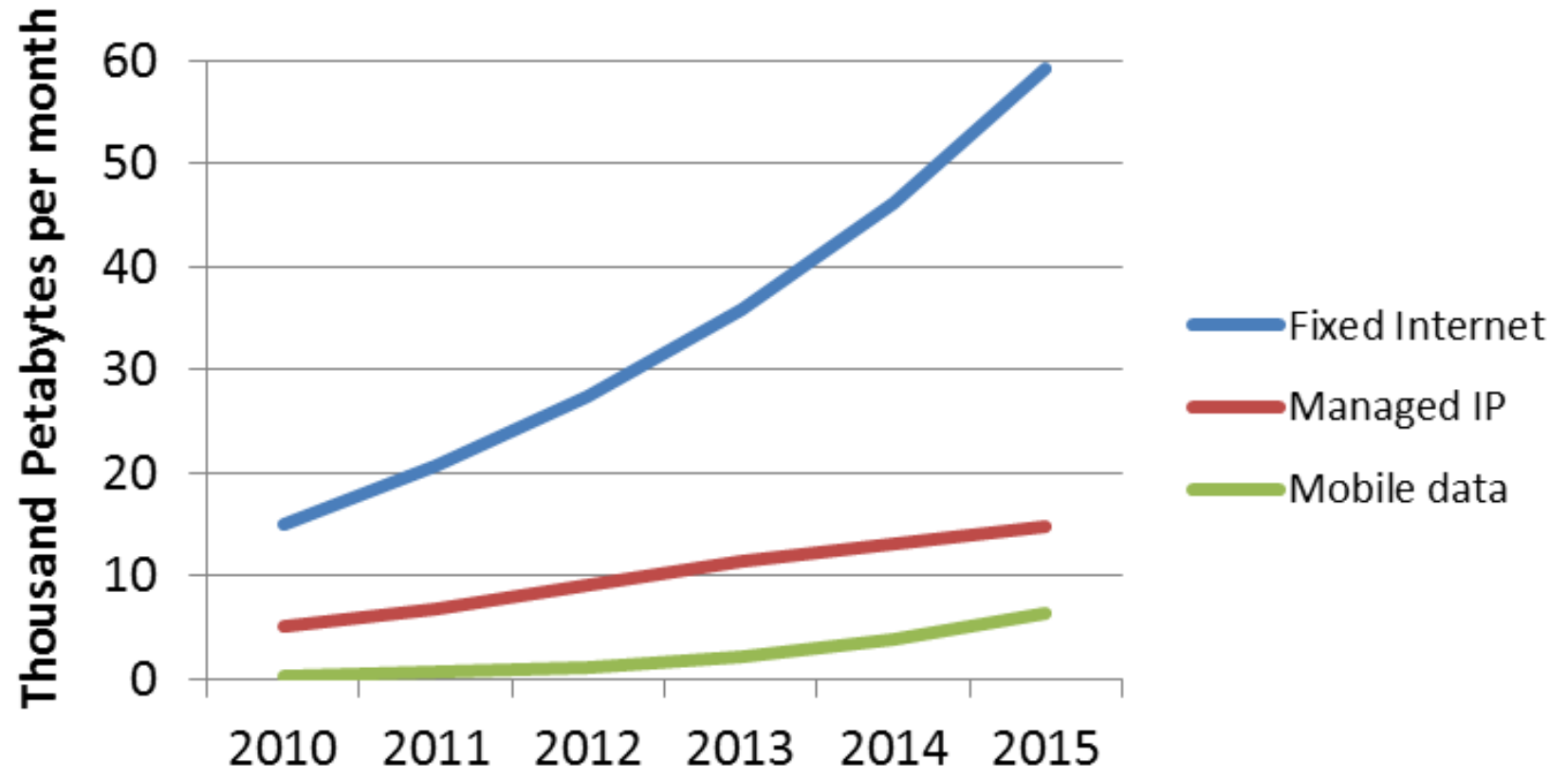
Risk – 2 years of change – a rough guide



Reasons for central application failure - source Plan B Disaster Recovery



Global IP traffic growth forecast - Cisco Visual Networking Index - June 2011²



Who owns the risk?

- Ultimately the security and compliance issues regarding your organisations data are your responsibility
- Either, it should be clear that a cloud service provider is:
 1. Providing an SLA that provides adequate cover
 2. That the SLA is being adhered to
- Or, your organisation must take the necessary measures itself

Don't over look risk reduction

- Access to enterprise class data centres
- Better business continuity
- Mundane aspects of IT outsourced to experienced 3rd parties



VALUE
Collaboration
Mobility
Business process



Business
processes



Cost
controls



Environmental



Work/life
balance

Conclusion

- The use of cloud based services is now widespread
- The tide is flowing in one direction
- There is growing acceptance of the “cloud” value proposition
- The positive and negative aspects of risk need to be communicated
- Laggards will lose competitive edge

Free Quocirca reports at www.quocirca.com

Don't forget the network



The data sharing paradox



Carrying the can (BYOD)



Next Generation Datacentres Index



Cloud Computing – Taking IT to Task



Thank you

All Quocirca reports freely available at:
<http://www.quocirca.com>

Bob Tarzey

bob.tarzey@quocirca.com