



Empowering the Cloud Connected Organization

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What if you could...

- > Respond instantaneously to Organizational Demand?
- > Provide optimal levels of quality and security?
- > Provide non-interrupted supply – even at peak times?
- > Run cost-effectively?
- > Leverage virtualization and cloud for Just-in-Time resourcing?

Challenges



Responsive to the Organization

Policy Time

Organizational Time

IT Time



Increase Quality of Service



Lower CAPEX & OPEX



Resources



Mainframe



Distributed



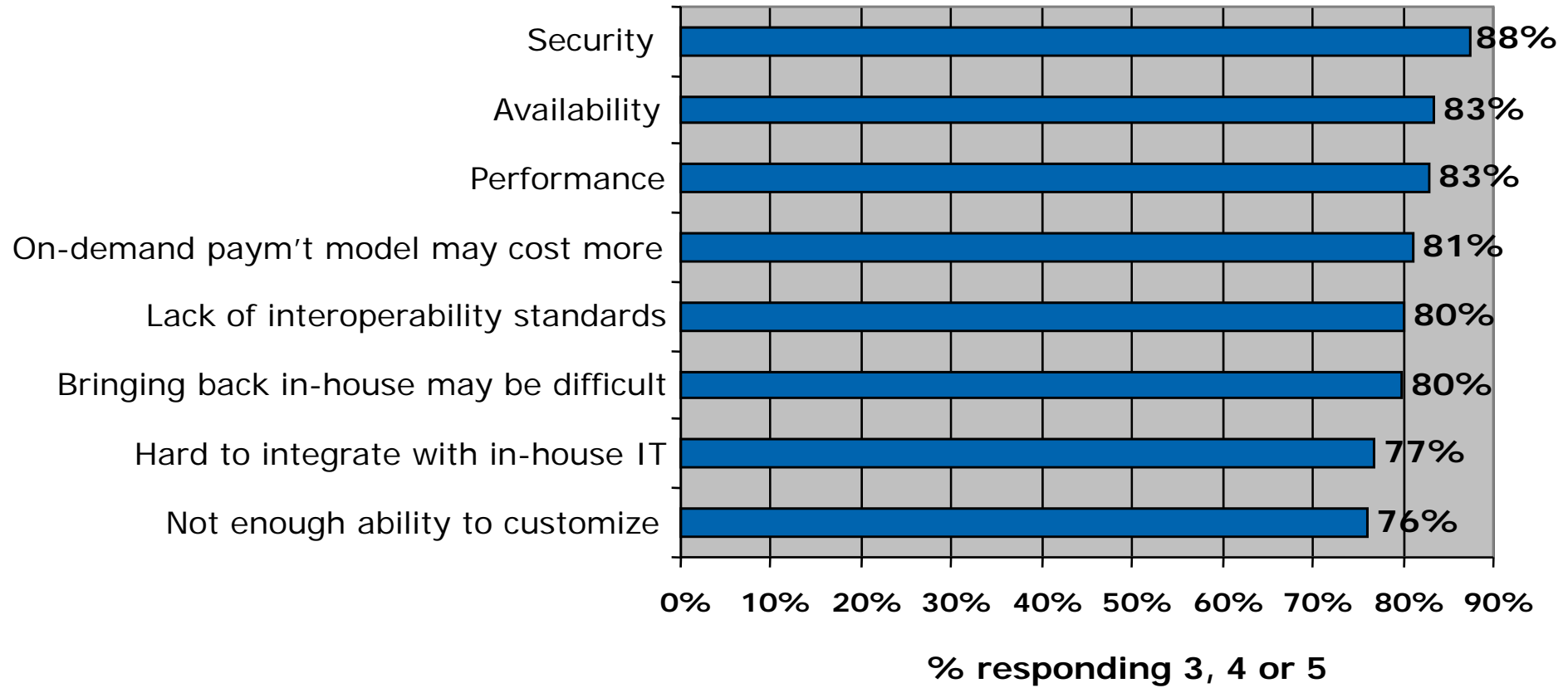
Virtual



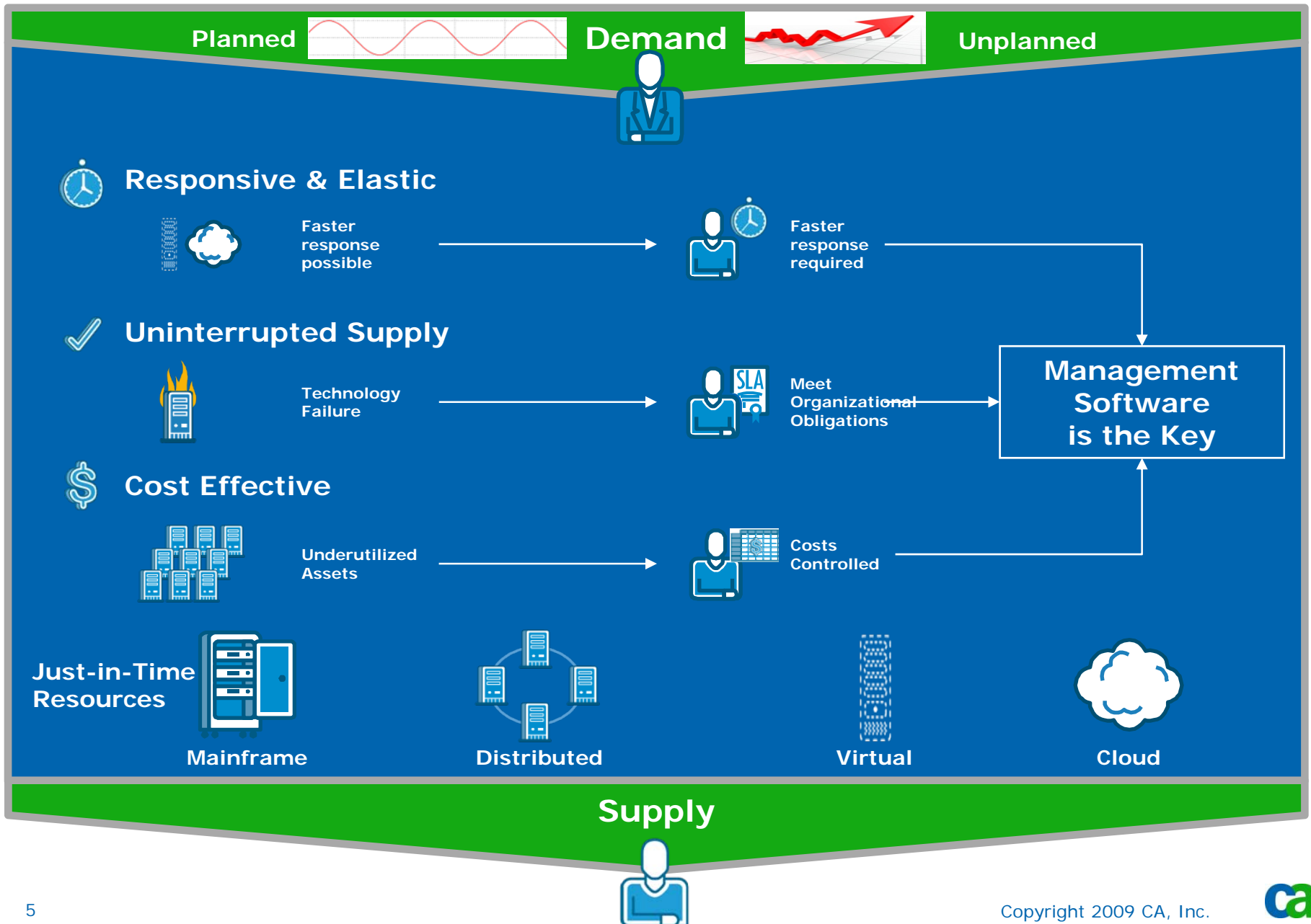
Cloud

Q: Rate the challenges/issues of the 'cloud'/on-demand

(Scale: 1 = Not at all concerned 5 = Very concerned)

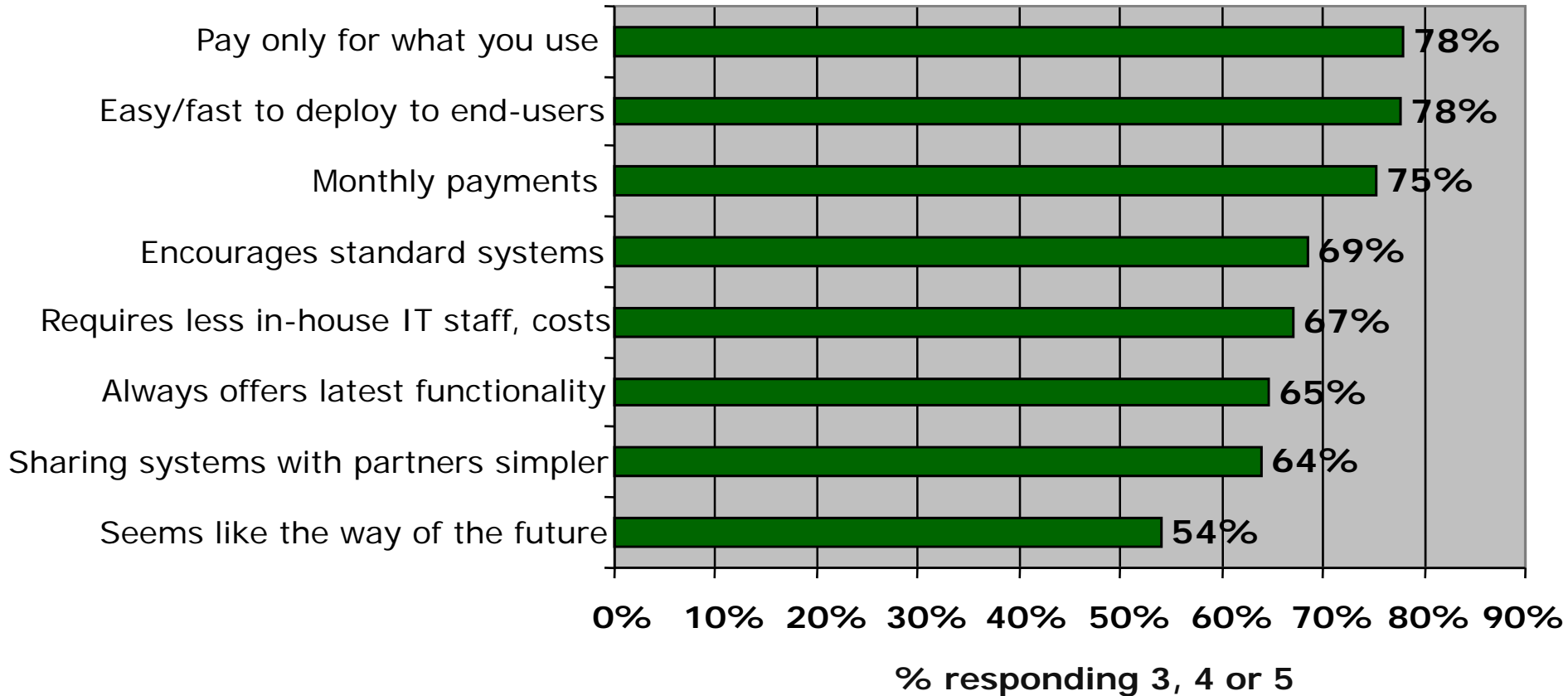


Meeting the Challenge



Q: Rate the benefits commonly ascribed to the 'cloud'/on-demand model

(Scale: 1 = Not at all important 5 = Very Important)



Evolution of IT Architectures

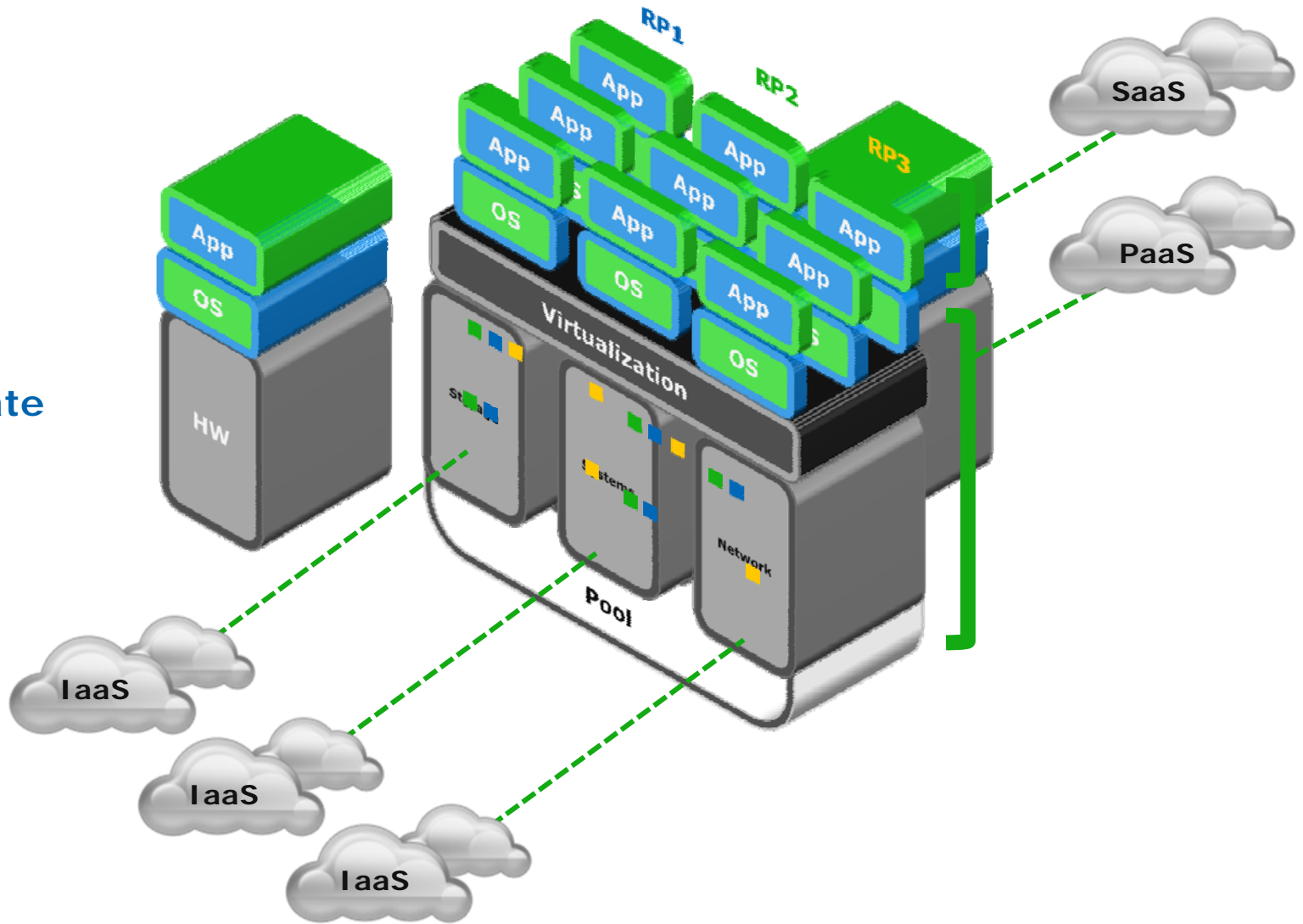
Static

Decouple

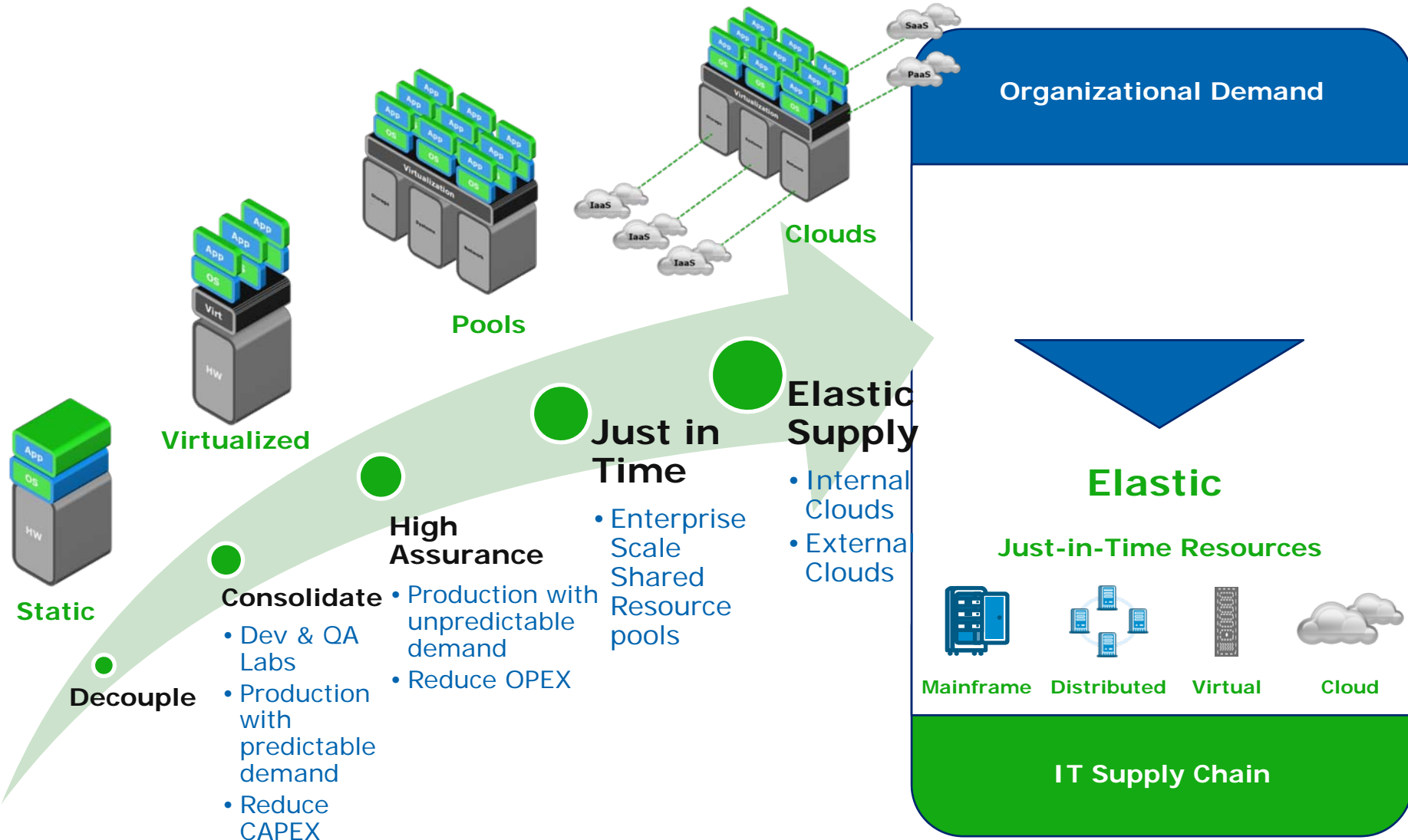
Consolidate

Pool

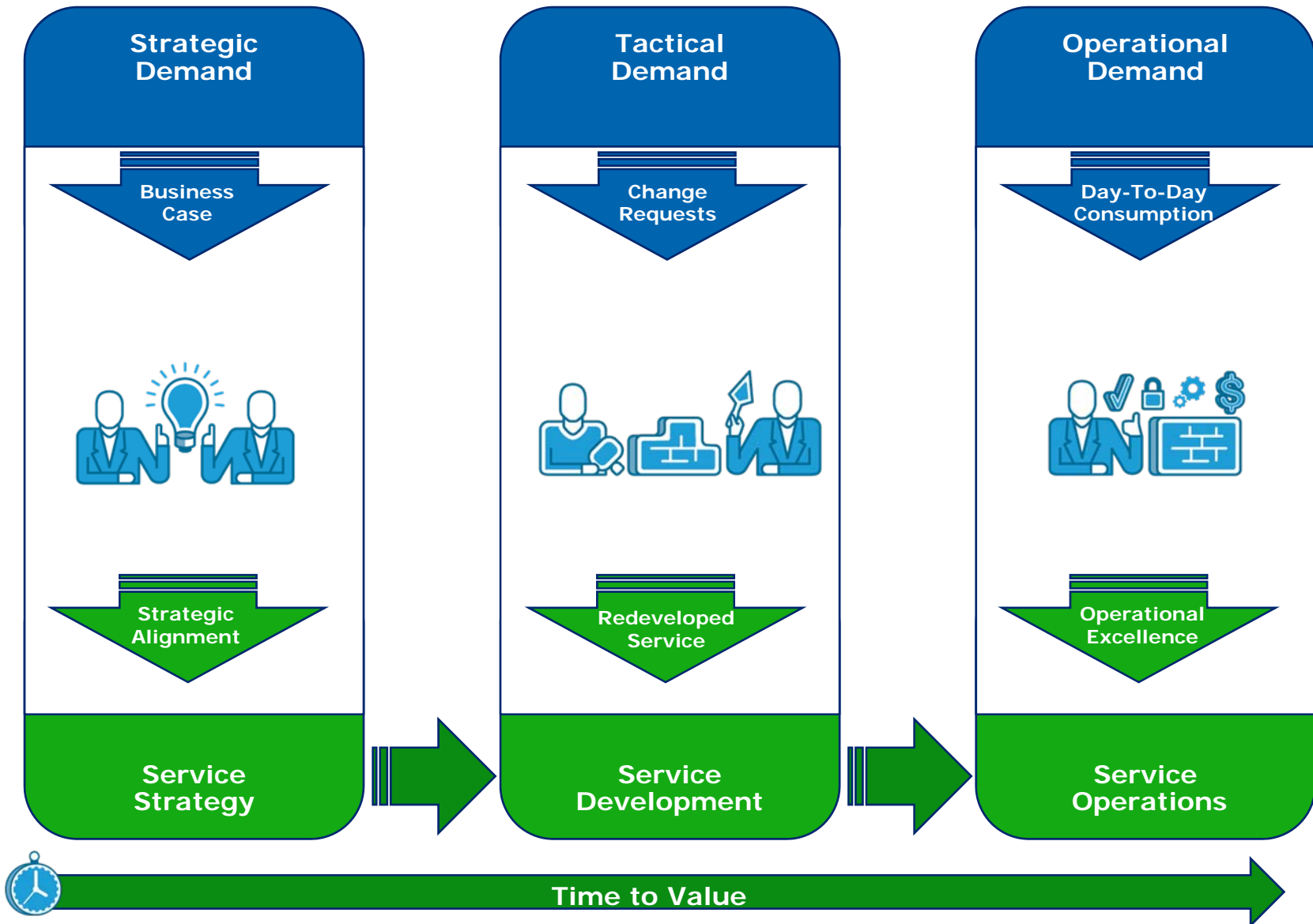
Cloud



The Transformation of the IT Supply Chain



Strategic Framework Organizational Demand and the IT Supply Chain



SUCCESS STORY: CA LABS-ON-DEMAND Cost Savings

- Lab consolidation —19 to 4 locations
- \$6.5M in labor savings to date
- Server utilization up 50%
- Increased server to admin ratio by over 400%
- Reduce configuration related issues by up to 80%

Responsiveness

- '3 clicks, not 3 Months'



Uninterrupted Supply

- ✓ • 30% reduction in Infrastructure downtime ¹
- 70% reduction in application downtime ¹
- Reduce Mean-Time-to-Repair by up to 50% ¹



Service Strategy

Transactions are a Constant Monitor End User Experience

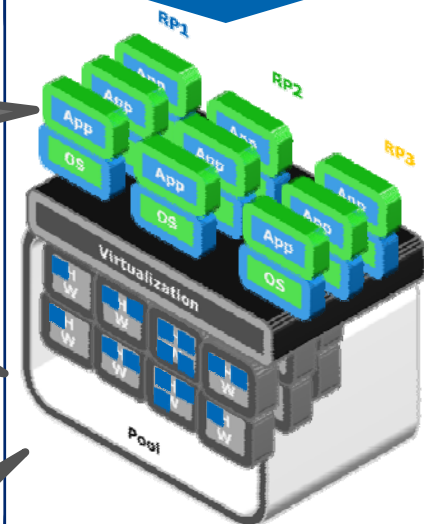
Predictive Performance Baseline Modelling

Model Based: Fault isolation and root-cause analytics across P&V

Service Development

Operational Demand

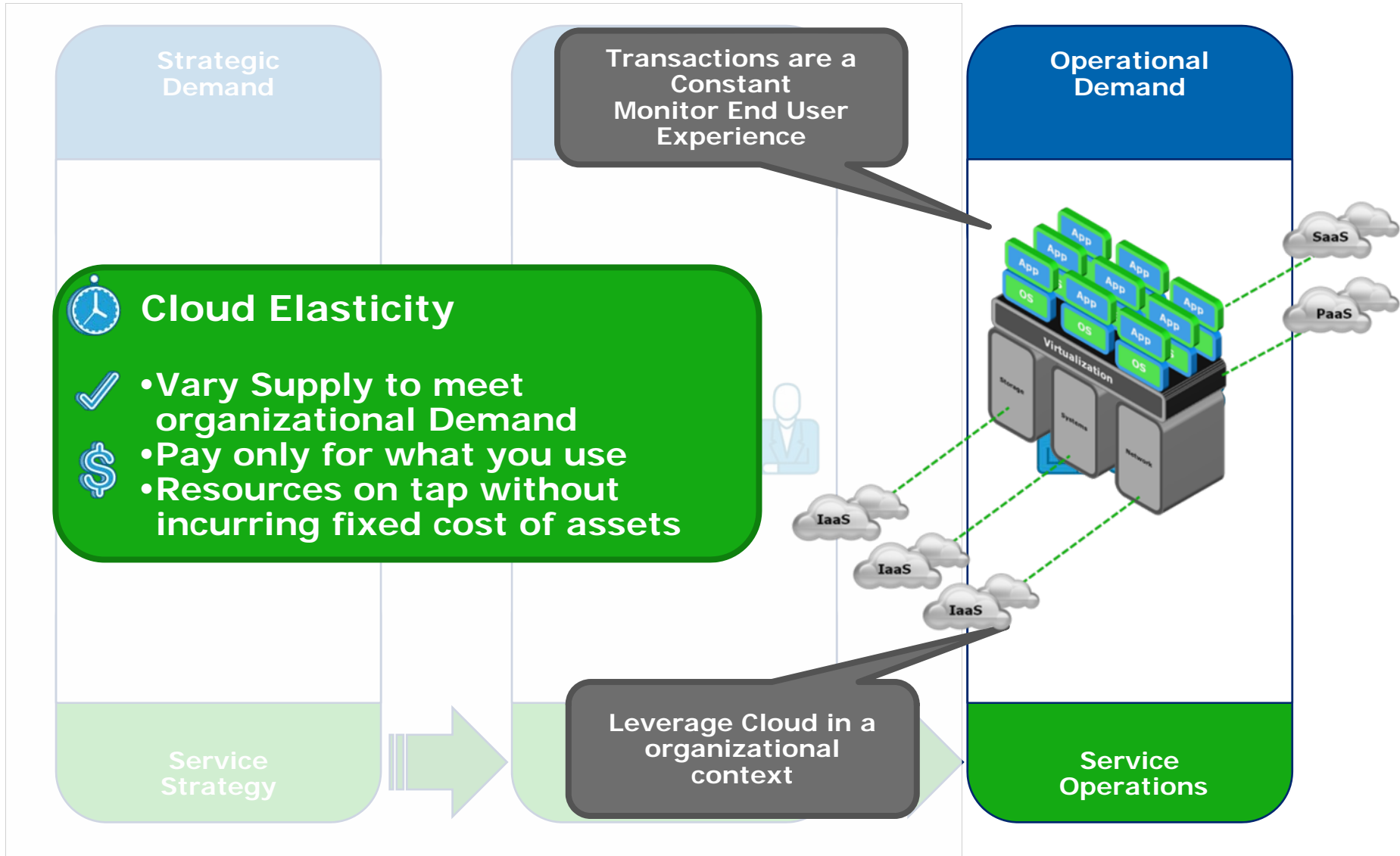
Unplanned Demand



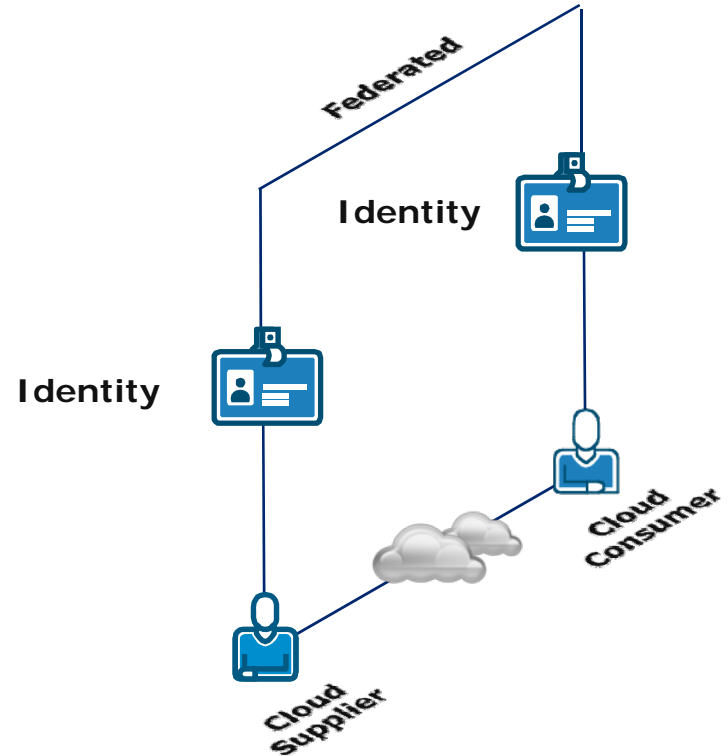
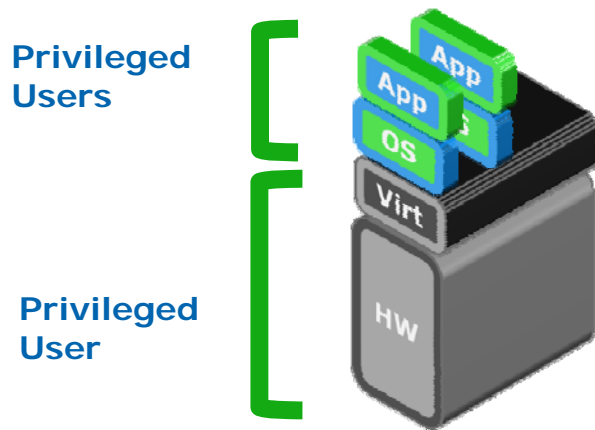
Just In Time Supply

Service Operations

Elastic Supply



What are the Security Risks of Virtualization and Cloud?



Segregation of Duties

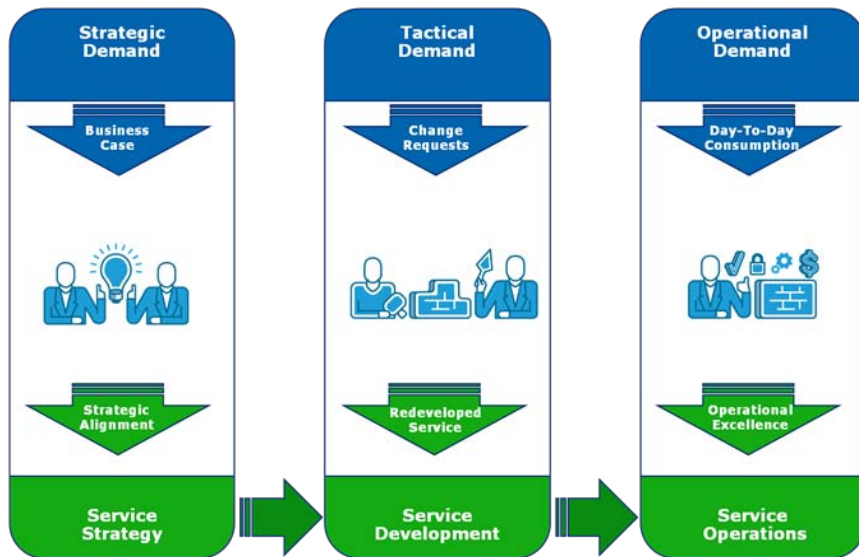
Identity and Access Management must distinguish between the two types of users and manage access accordingly



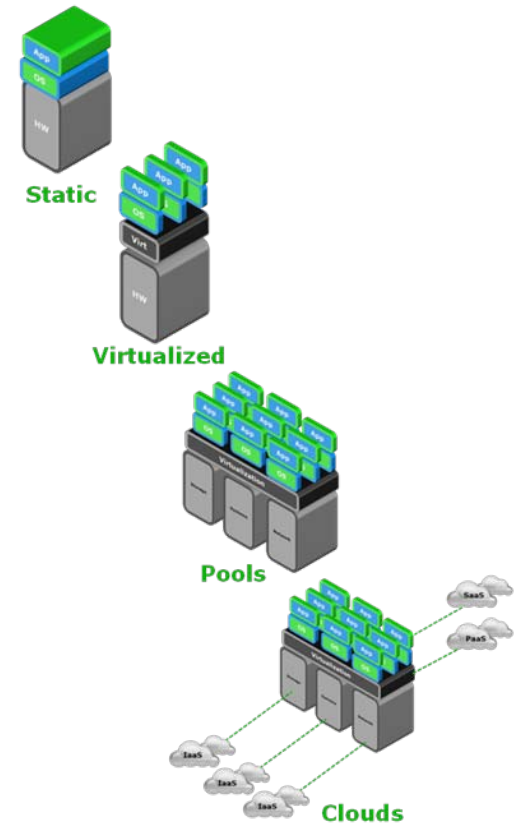
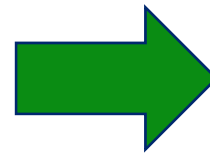
Federated Security

Both parties must be confident the other is who they say they are

Think Strategically.....Implement Tactically



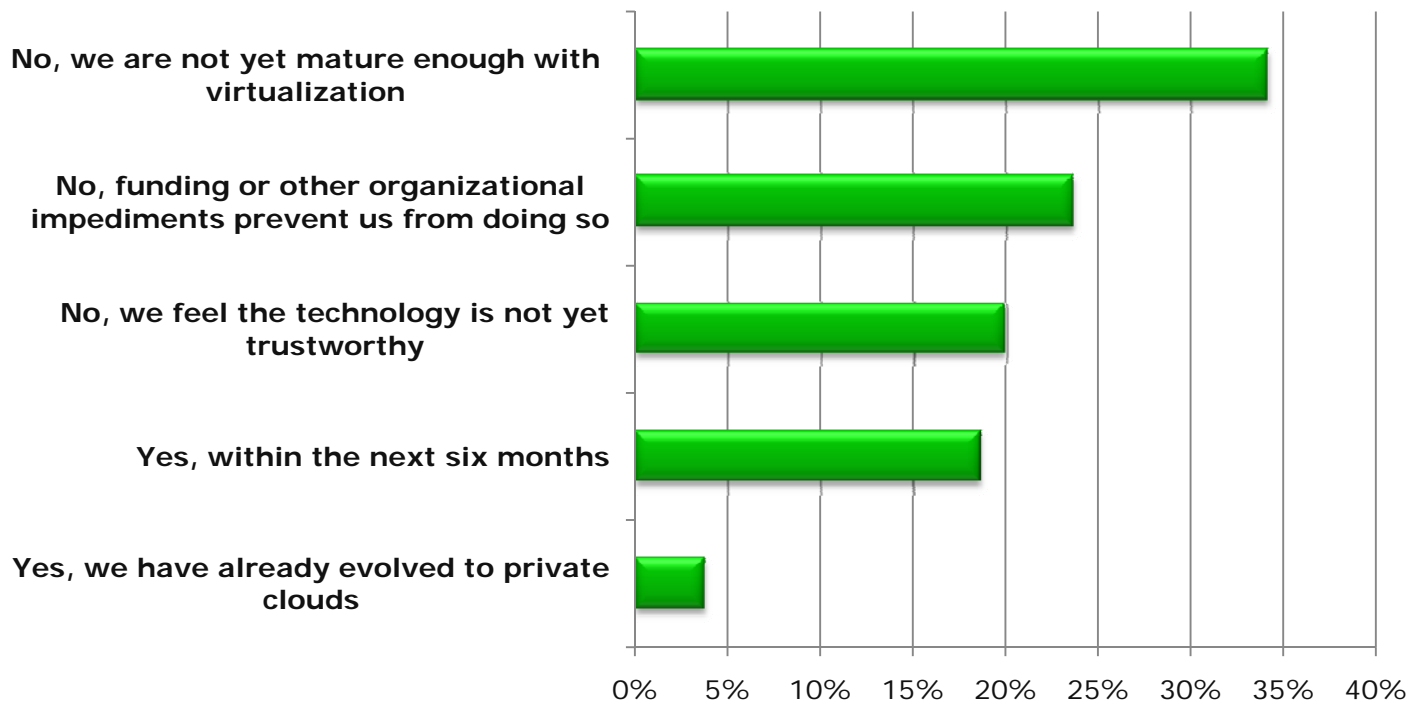
Strategic Framework



Tactical Implementation

New CA Sponsored Forrester Research

- > Is your organization ready to evolve from virtualization to private cloud computing services for some production workloads within the next 6 months?



- > Security
 - Intrusion detection
 - Access control
 - Data protection
- > Verification of data location
- > Data Recovery
- > Governance and control
 - Users bypassing IT policies
- > Availability and assurance
- > Portability and vendor lock-in

What if you could...

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- > Provide optimal levels of quality and security?



- > Provide non-interrupted supply – even at peak times?



- > Run cost-effectively?



- > Leverage virtualization and cloud in a business context?



**CA Maximizing the Organizational Value
of Virtualization and Cloud Computing.....TODAY**

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