How a converged infrastructure will drive business value and redefine the role of the IT organization

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On the CIO agenda

- Problems to solve
  - How to combine growth with operational efficiency
  - How to enhance the customer experience
  - How to cut cost

- Top 3 IT strategies
  - Deliver Business solutions
  - Reduce the cost of IT
  - Manage or develop a flexible IT infrastructure

Systems → **Services**

IT Agility → **Business Agility**

Information → **Innovation**

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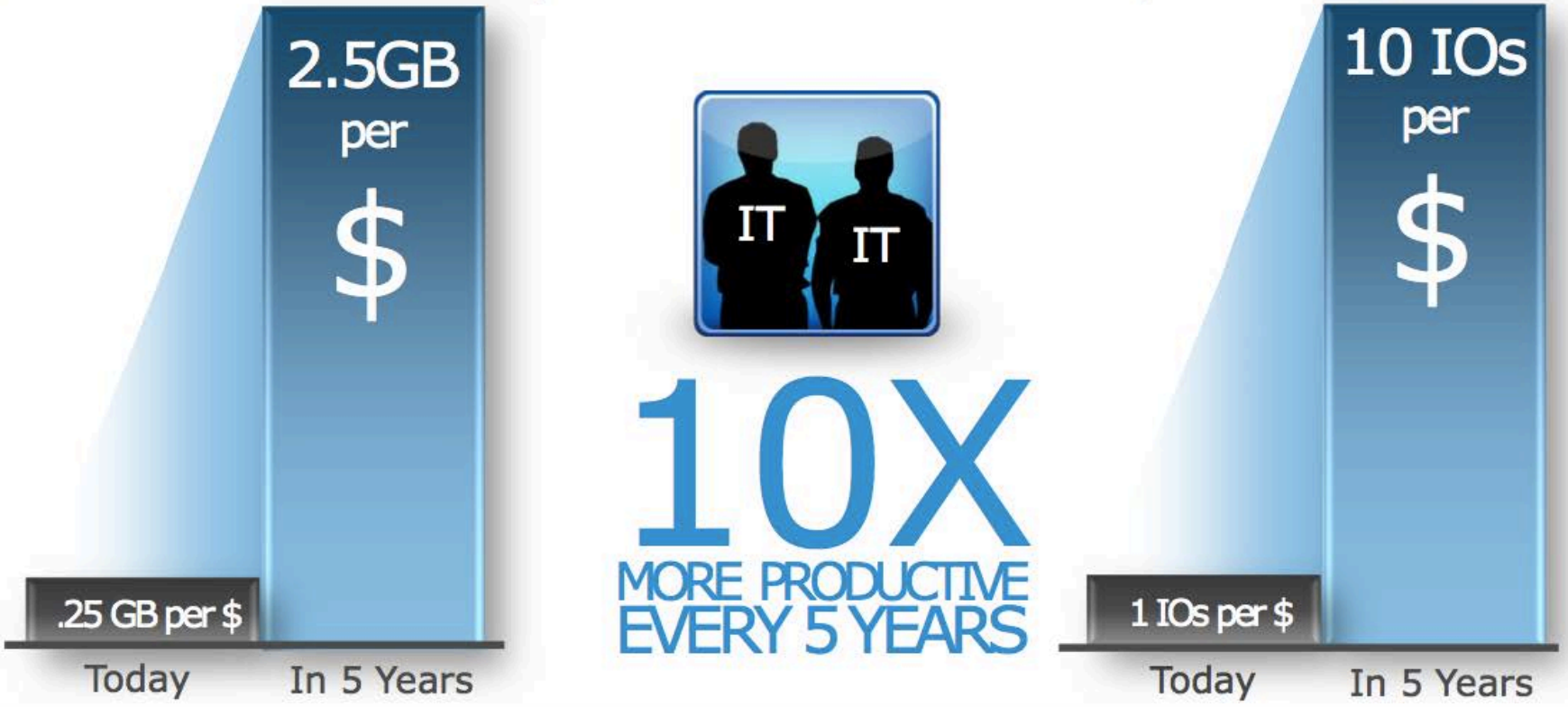
The IT Productivity Challenge

New Levels of Efficiency and Automation is Key to Success



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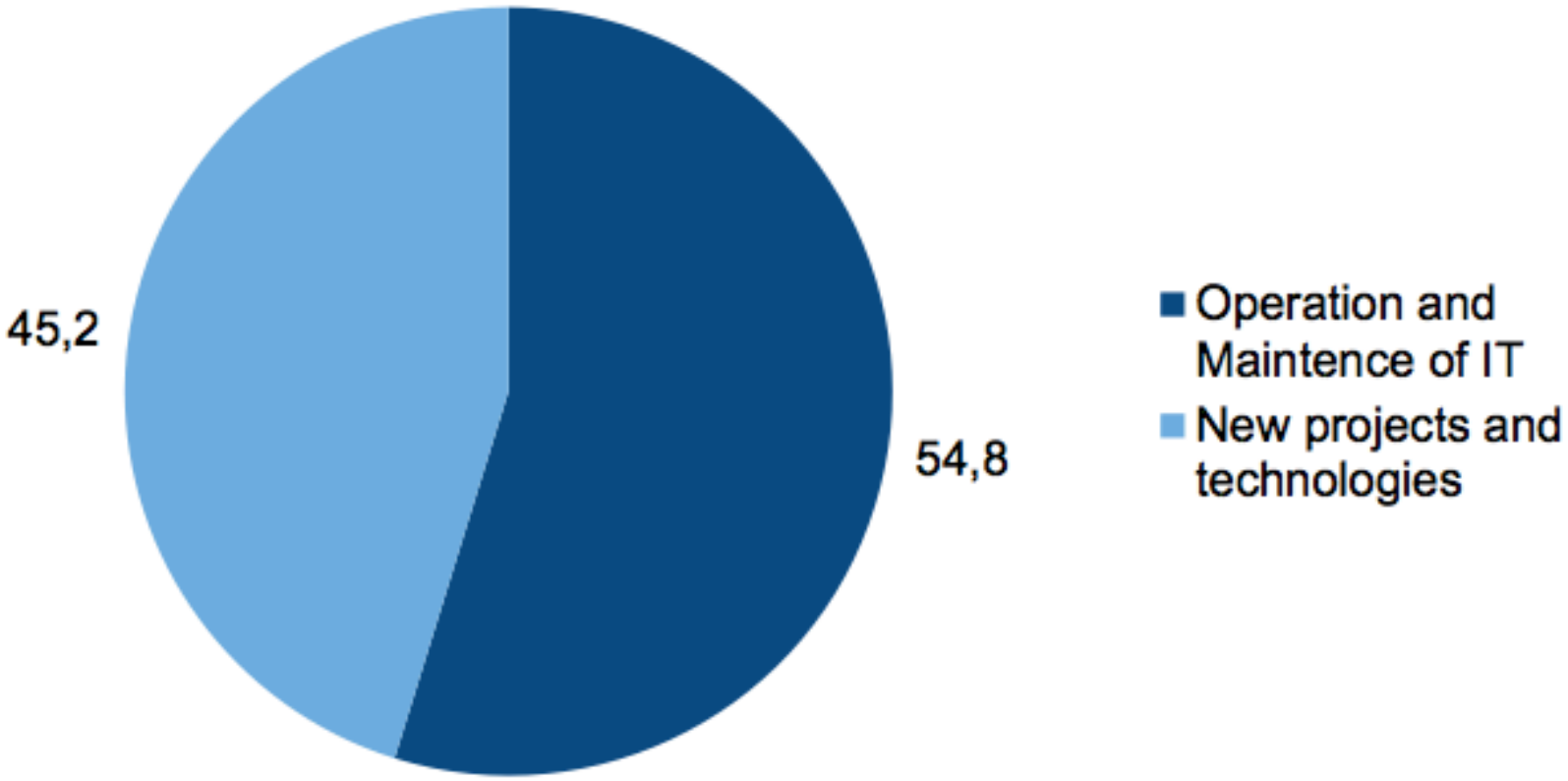
Mission impossible ?

- Flat IT Budgets
- Continue to support existing IT solutions
- Investments in new IT services
  to drive innovation
- Gartner research shows IT infrastructure and operations spending consume 60-70% of all IT budgets worldwide

How is the IT Budget spent?



Source: 2013 European Services Survey, n=796

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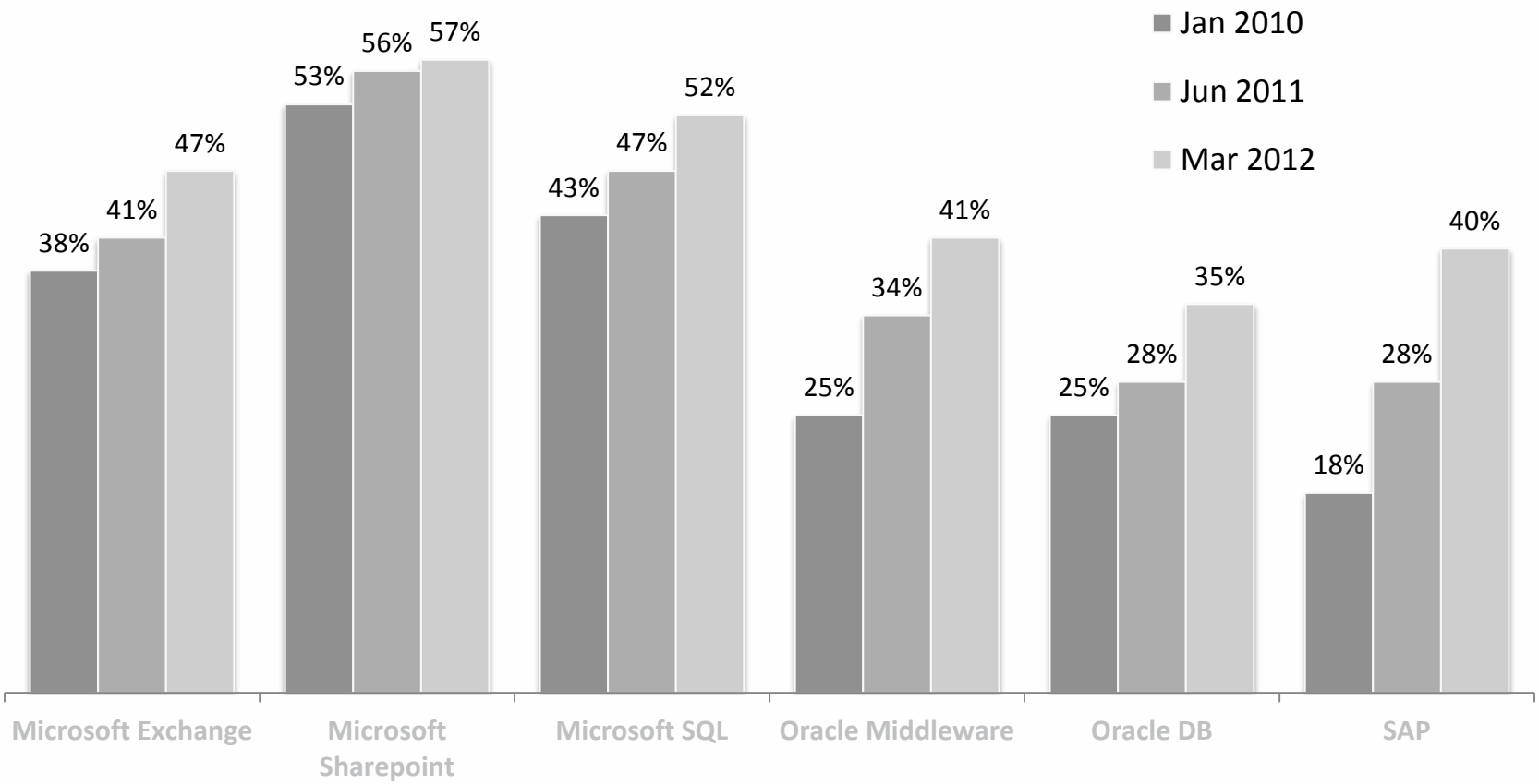
% of Workload Instances That are Virtualized



Source: IDC

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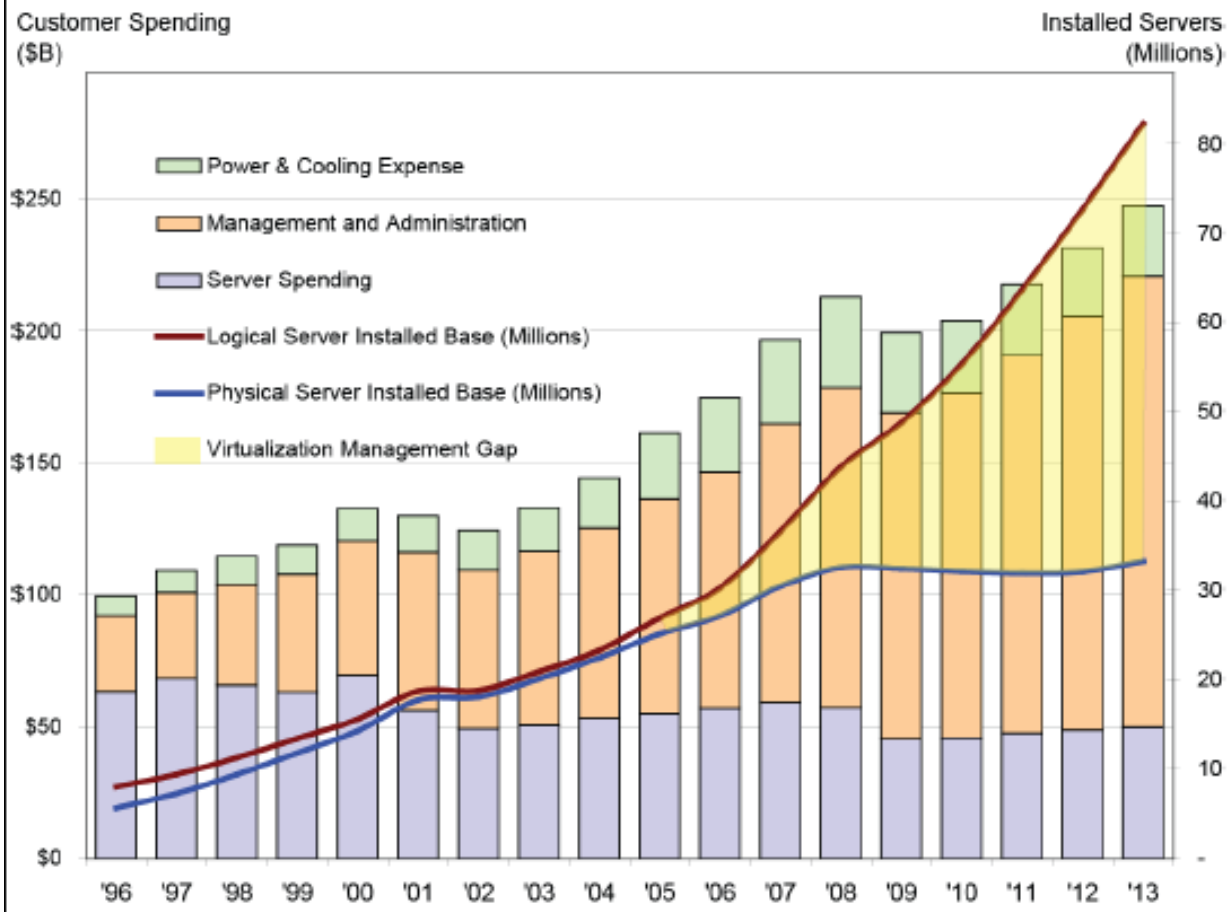
Rapid Growth in Virtualized Applications;
Increasing Pressure on IT Management/Administration



Source: IDC, 2012

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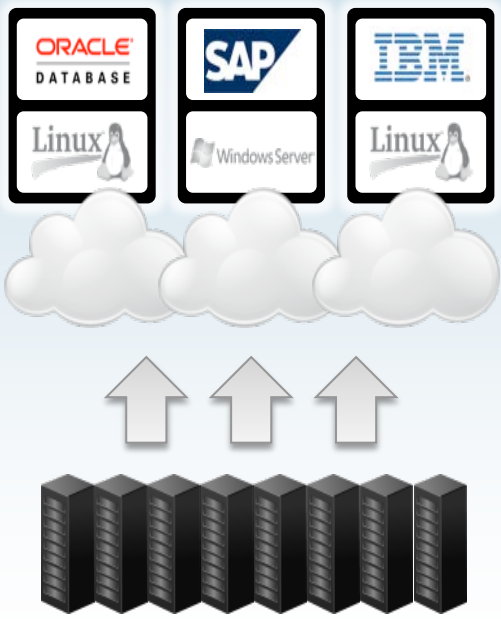

1 Standardize

2 Virtualize

3 Automate

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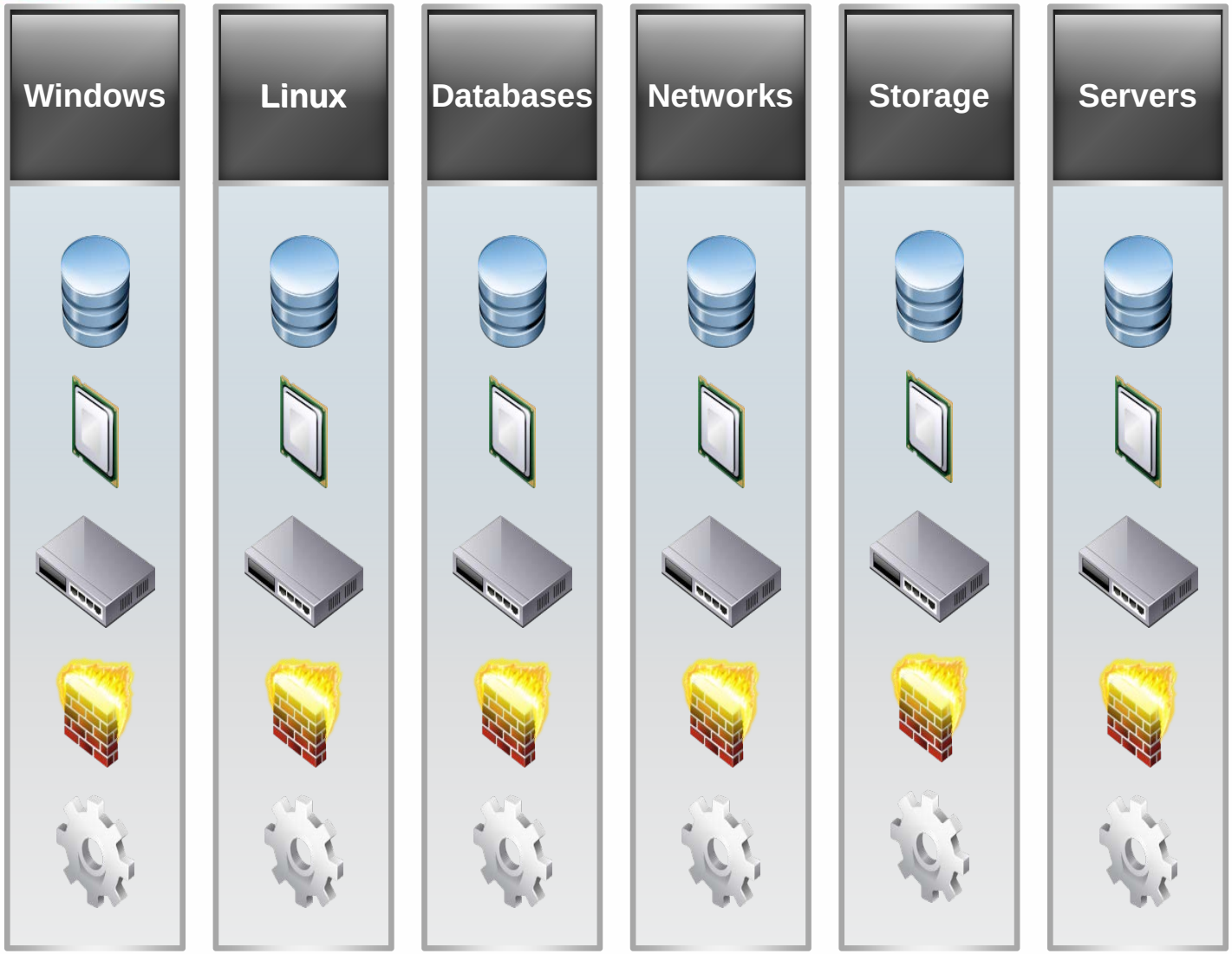

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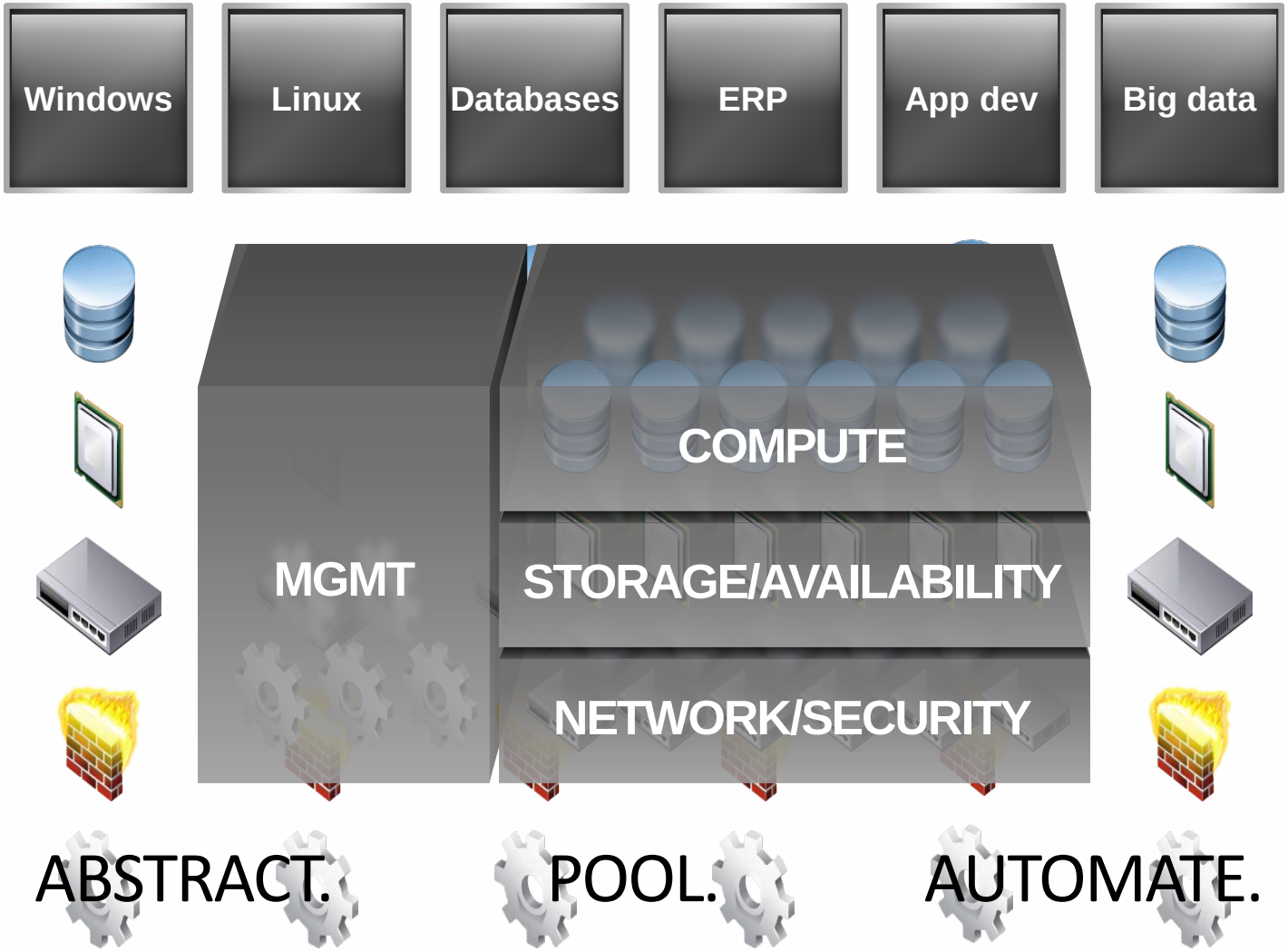
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ABSTRACT.
POOL.
AUTOMATE.

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The definition

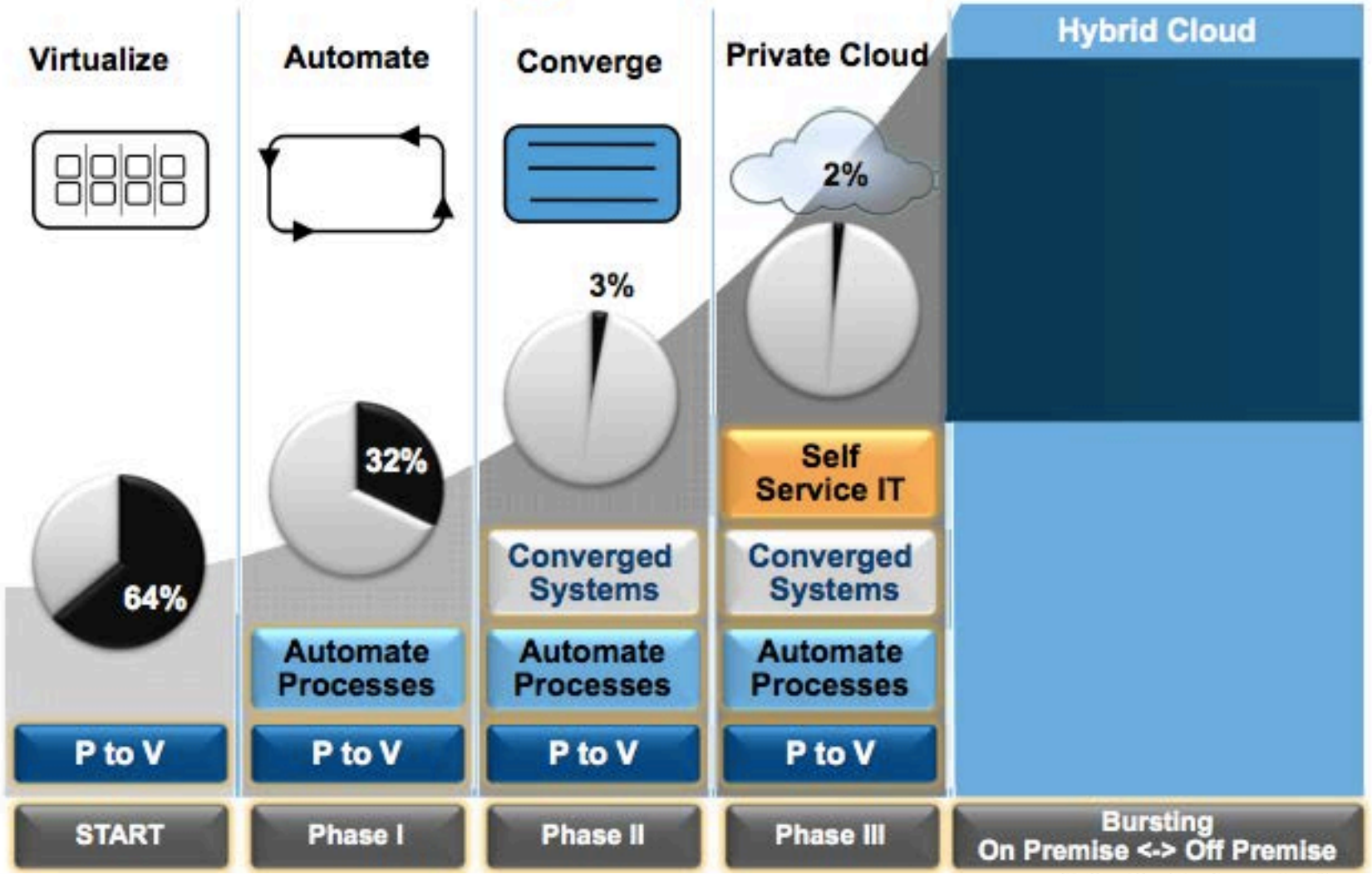
- **Converged infrastructure** packages multiple information technology (IT) components into a single, optimized computing solution. Components of a converged infrastructure solution include servers, data storage devices, networking equipment and **software for IT infrastructure management, automation and orchestration**

  Source: Wikipedia

- **Converged infrastructure** (CI) is an integrated set of compute, storage, and networking components with infrastructure management software that provides a **single logical chunk of hardware and software** that is either specifically engineered together or at the very least **tested and proven** in a variety of configurations and applications. Converged infrastructure simplifies hardware and software management and accelerates the deployment of infrastructure for private clouds.

  Source: Wikibon

Converged Infrastructure and Cloud Are the Next Big Steps In IT Evolution



Delivering Business Agility

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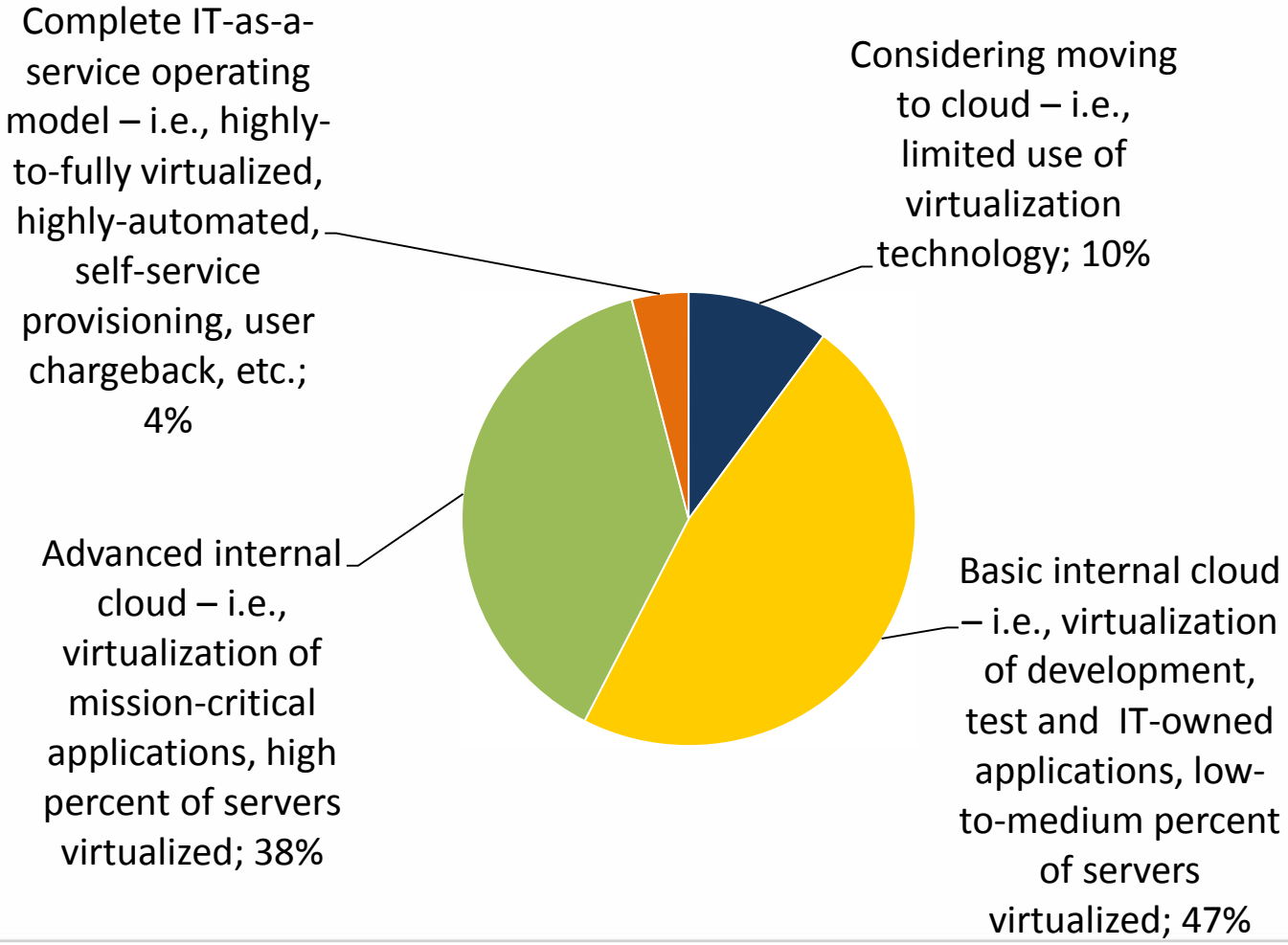
Currently, at what point would you say your organization is on its transition to private cloud computing?



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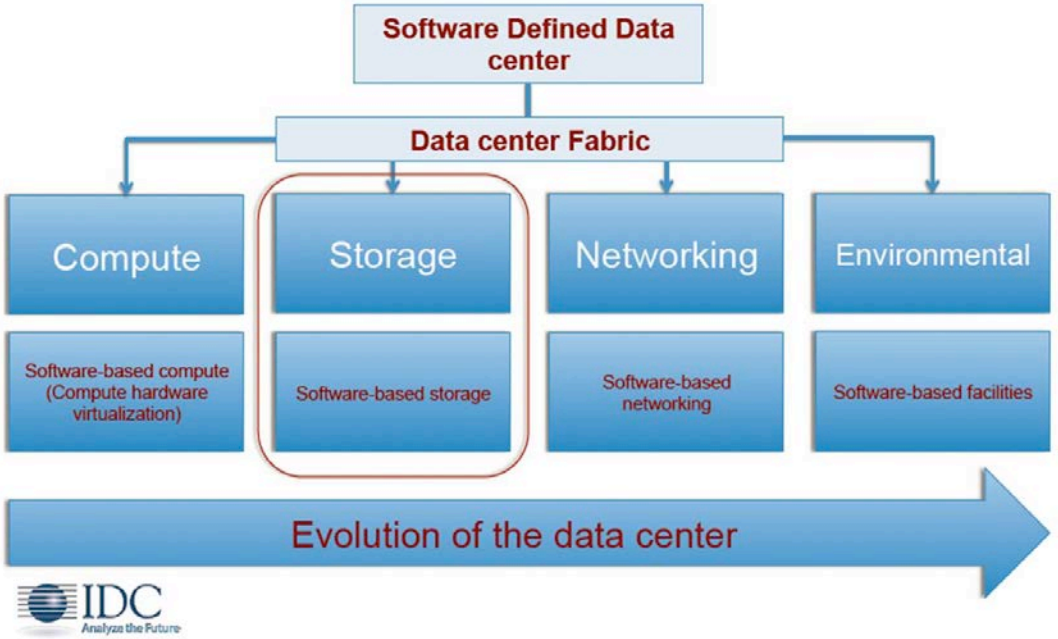
Software defined datacenter

- A loosely couple set of software components that seek to virtualize and federate datacenter-wide hardware resources such as storage compute and network



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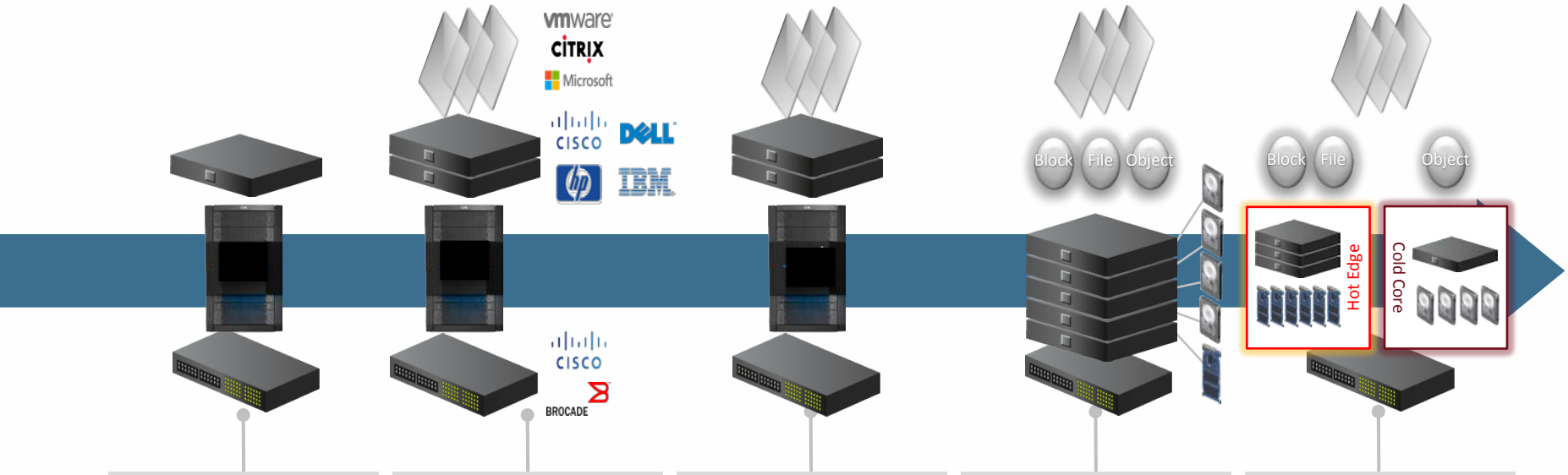
NTER SOLUTIONS
SERVICES
HYBRID
DATACE
AUTOMATION / VISUALISATION
ORCHESTRATION / AUTOMATION / VISUALISATION
ORCHESTRATION /

PROACT New Converged Architectures



BEST-OF-BREED

Selection of heterogeneous, best-of-breed server, network, & storage

Assembly by customer

REFERENCE ARCHITECTURE

Pre-qualified, best-of-breed server, network, & storage

Assembly by customer

CONVERGED INFRASTRUCTURE

Pre-packaged, vendor-specific cloud-ready system, shipped to customer in assembled form

3P CONVERGED INFRASTRUCTURE

Servers with local storage, with software-defined data plane services & VMs for 3rd platform apps

HOT EDGE 3P CI

Building blocks containing servers with local memory/flash, for 3rd platform apps