

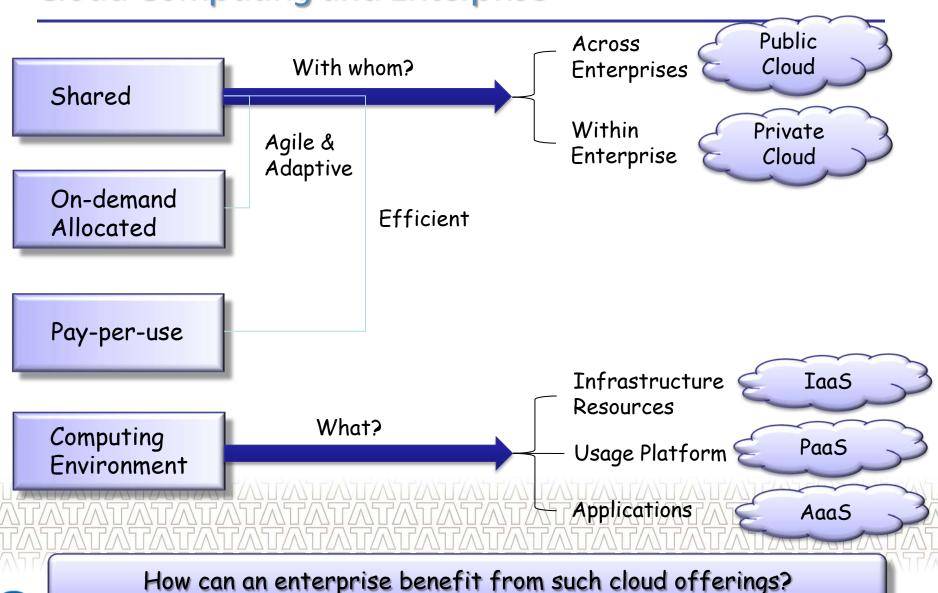
Enterprise Cloud Computing: Opportunities & Challenges

Harrick M. Vin

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Cloud Computing and Enterprise





Enterprise Cloud Computing: Challenges

The problem: Too-many choices and constrains

- Lots of different platforms
- · Many providers different levels of service
- · Several different financial models
- Many enterprise constraints
 - · Business: Security/Privacy; Reliability/Availability; Auditability; ...
 - Technology: Specialized platforms; software licenses; ...
 - Application and usage:
 - · Vertically vs. horizontally scalable applications
 - · Predictable vs. highly fluctuating workloads

The challenge: Deciding on what, when and why

- "One-size-does-not-fit-all"
- Custom strategy depends on:
 - · As-is state: Scale and complexity
 - · Characteristics of solution platforms: Costs, benefits, risks and side-effects

Enterprise Cloud Computing @ TCS

Two-pronged Approach

Analytics-led transformation planning and execution

- Monitor → Analyze → Plan → Execute
- iTransform: Fact-based, systematized and automated strategy derivation
 - Address the what, when and why questions
 - Automation → Evolve strategy to accommodate change
- Cloud migration strategy execution
 - · Leverage TCS Co-Innovation Network (CoIN)

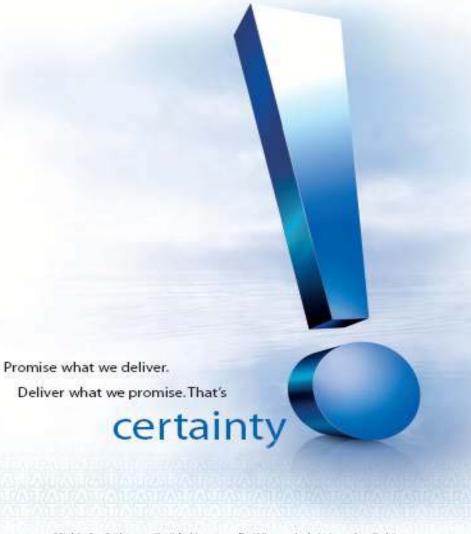
Create specialized cloud-based solution platforms

- · Domain-agnostic platforms: DR-as-a-Service and Assurance-as-a-Service
- Domain-specific platforms for SMB
 - Education, Manufacturing, Wellness, Retail, ...

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Experience certainty.

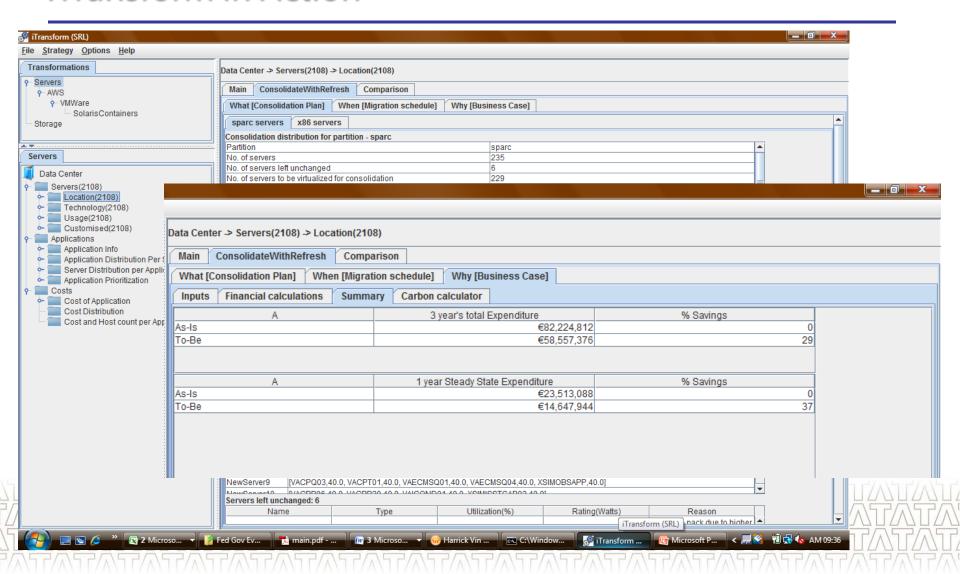
IT Services in Business Solutions in Outsourcing



1981 - 2006



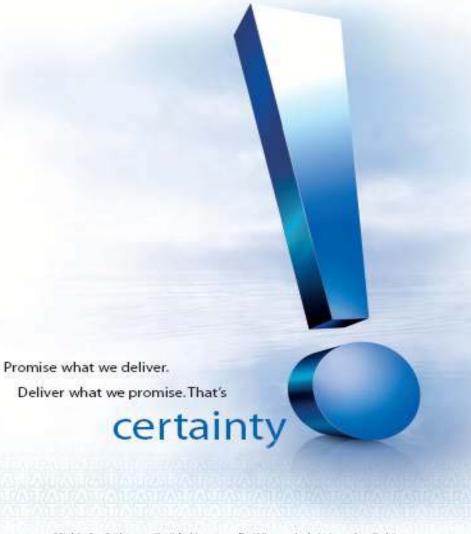
iTransform in Action



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