CLOUD COMPUTING APPLICATIONS

SUMMARY OF CLOUD INTRODUCTION

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Takeaways

- Multiple reasons for Cloud adoption
- Clouds allow economies
- Sharing for the Big Data revolution?
- Another round in innovation: everyone benefits from Clouds?

Careers

- Almost all people will use Cloud computing: search, video streaming, social networking
- IT specialists need to know Cloud
  - When to outsource, applications, uses
  - Architectures, sharing, privacy
  - Programming, efficiency, parallelism, scale
- General audience
  - Huge impact on society, business, government
  - New capabilities, policies, ways to communicate
  - Privacy and security

First Exercise

- Show scalability of web service
- Demonstrate user application
- Software-defined architecture
  - Management controls
  - Billing
  - Software modules available
- Distributed computing
  - Reliability, parallelism
- Provides insight to the power of sharing data

Summary