

Lecture 4

Adoption of cloud based IT resources

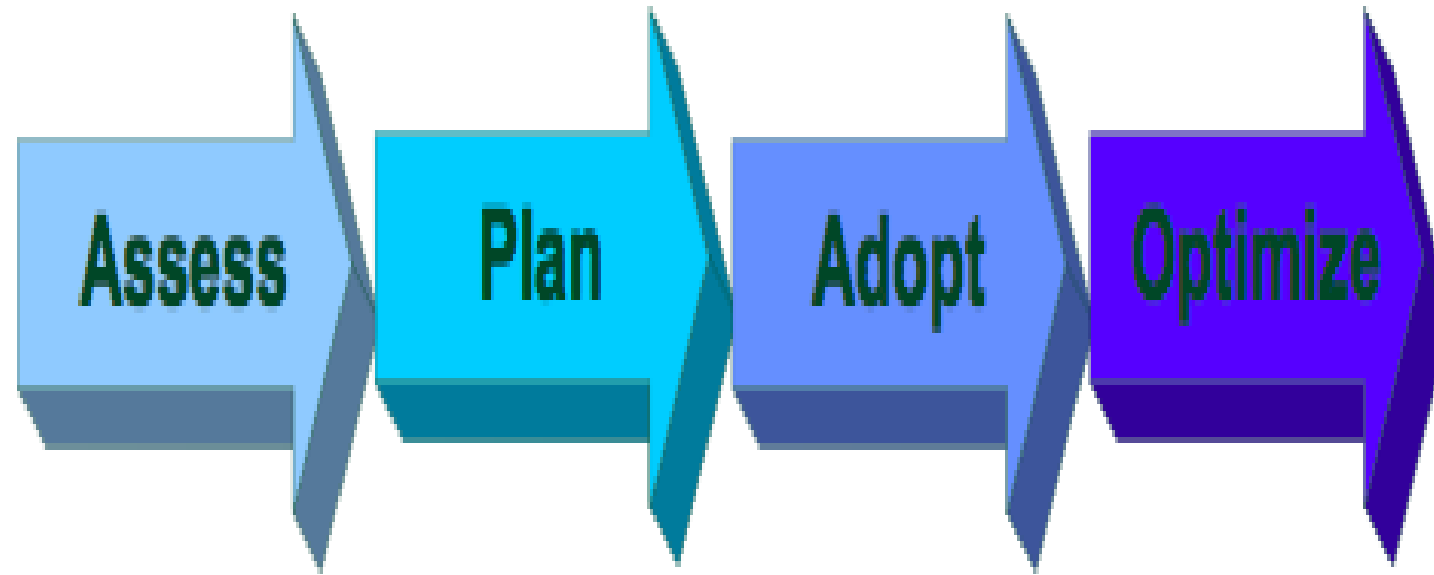
Challenges of cloud computing

Section 1: Adoption of cloud based IT resources

Cloud adoption is a strategy used by enterprises to improve the scalability of Internet-based database capabilities while reducing cost and risk.

Each organization's cloud adoption journey is unique. However, in order for any organization to successfully migrate its IT portfolio to the cloud, three elements (that is, people, process, and technology) must be in alignment. Business and technology leaders in an organization must understand the organization's current state, target state, and the transition that is needed to achieve the target state so they can set goals and create processes for staff.

How does cloud adoption works?



Assess

- Assess the cloud deployment challenges, opportunities and success rates in the market
- Understand the business value, IT feasibility and success factors for your organization to deploy your applications in cloud
- Evaluate and document the success stories, risks and barriers involved in cloud adoption
- Assess the cloud vendors for cloud partnerships

This analysis will provide definitive guidance for evaluating the pros and cons.

Plan

- Identify applications that are **quick to market** and critical to business in terms of revenue and customer satisfaction
- For early adopters, it is a good strategy to choose applications that are **stand-alone and simple to migrate** and focus is on learning from the cloud adoption processes
- For those organizations that are on the path to enhancing their customer and business value through cloud, it is a good idea to think about IT innovation, productivity, and efficiency while identifying applications for potential cloud deployments, then they can apply their cloud experience to deploying more complex systems

Plan

- It is important to know the **suitability** of public, private or hybrid clouds and the cloud models—SaaS, IaaS and PaaS, or a combination
- Remember to identify and document what you expect to gain for your business **SLAs** (service level agreements), what you plan to deliver to your customer **Quality of Service** (QoS) and what the terms of understanding are (policies and governance) with your cloud vendor. This will help develop a cloud strategy for a successful, well-managed cloud deployments
- Engage the **IT architect and development** teams to develop suitable use cases for this deployment
- Research cloud providers and engage business capture teams to determine suitable **payment plans**

Adopt

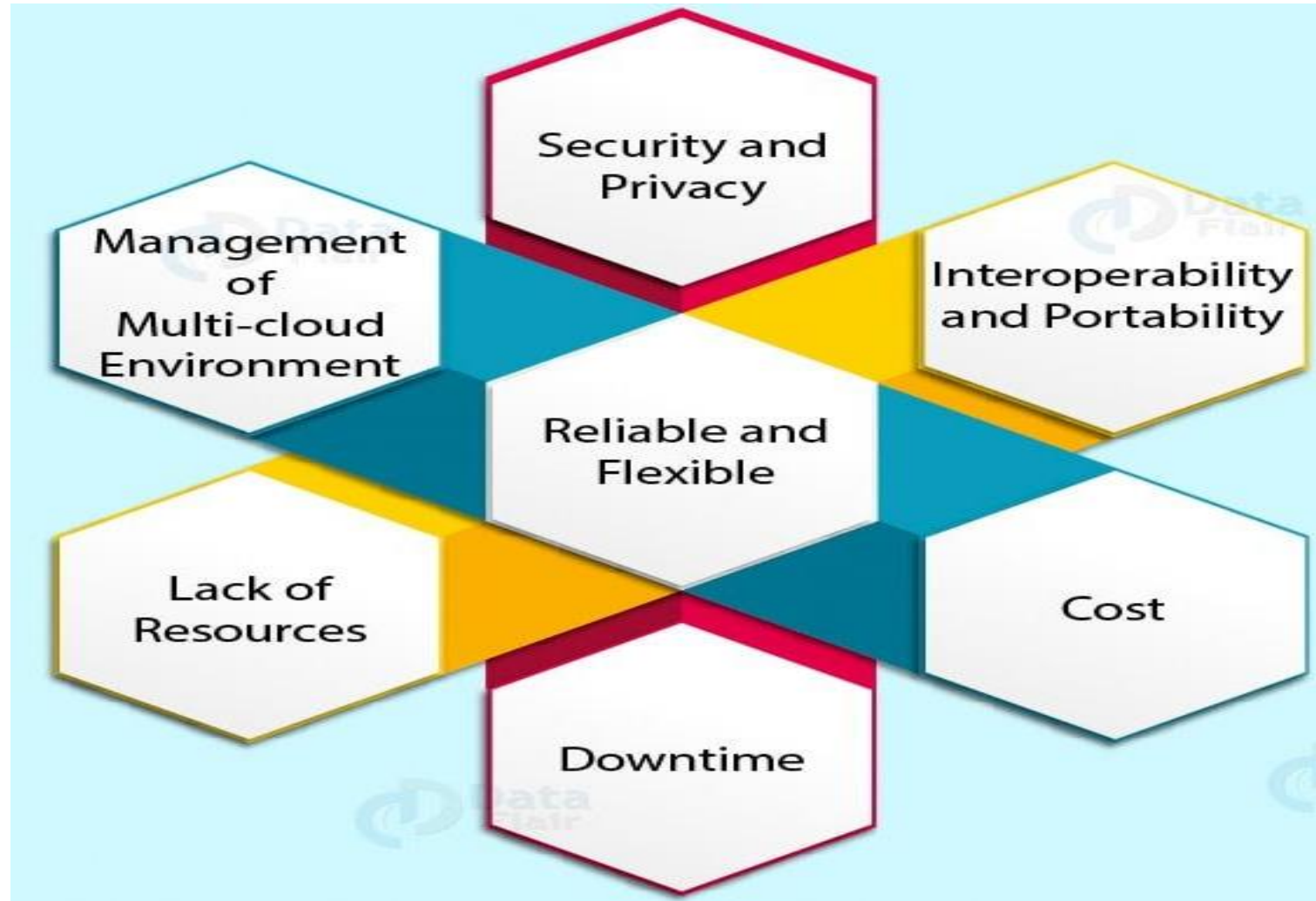
The planning and adoption phases are closely woven together and have multiple steps that need reiteration. For example, while reviewing the collateral during planning, it is equally important to understand available cloud computing and adoption standards. Identify the servers, the data stores and the software to realize migration roadmaps

Optimize

Optimizing business processes and software licenses will help you realize the benefits of improved organizational efficiencies to provide increased value to the organization and the customer.

- Conduct “**lessons learned sessions**” after each cloud deployment and refine your processes and methods accordingly
- Develop required skill roadmaps and assemble skilled resources ahead of a deployment

Section 2: Challenges of cloud computing



Key Takeaways



Adoption of cloud based IT resources

Challenges of cloud computing

Thanks