Instructor Notes:

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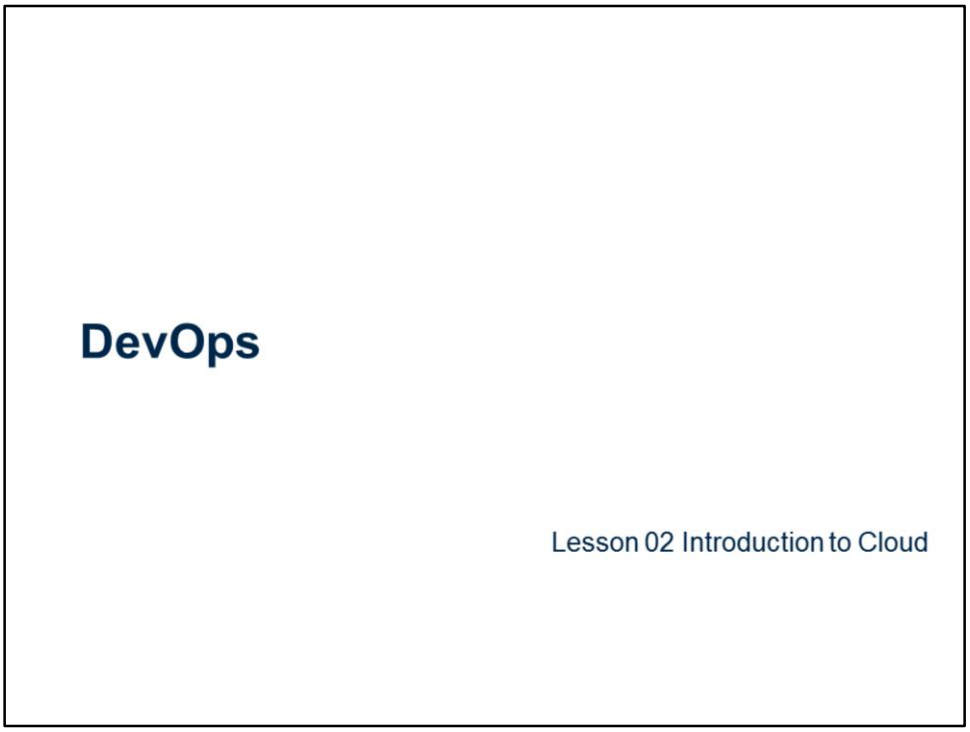

Instructor Notes:

Add instructor notes here.

Lesson Objectives

- To understand the following topics:
  - What is Cloud
  - What is Cloud Computing
  - Deployment Models
  - Cloud Computing Services
  - Advantages
  - Disadvantages
  - Cloud Storage
  - DevOps and Cloud

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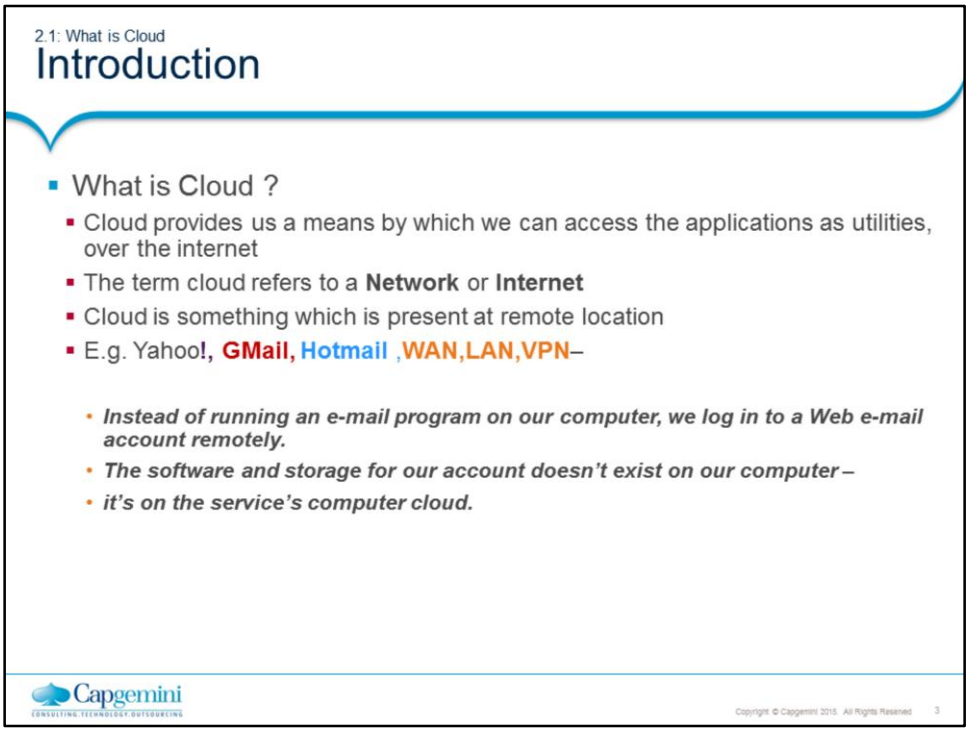

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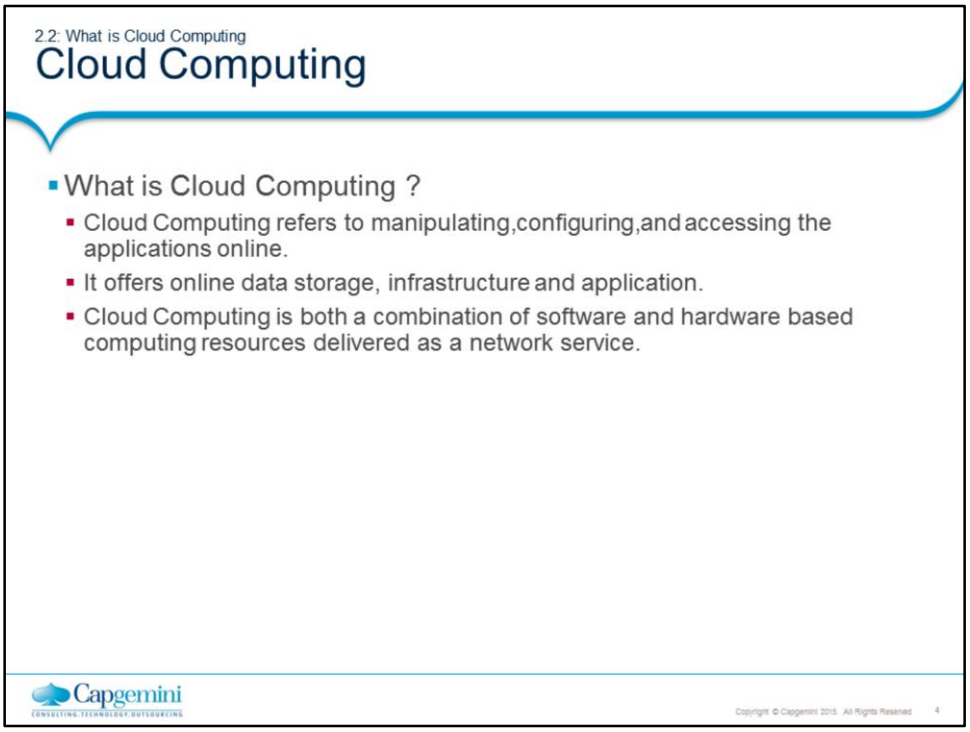

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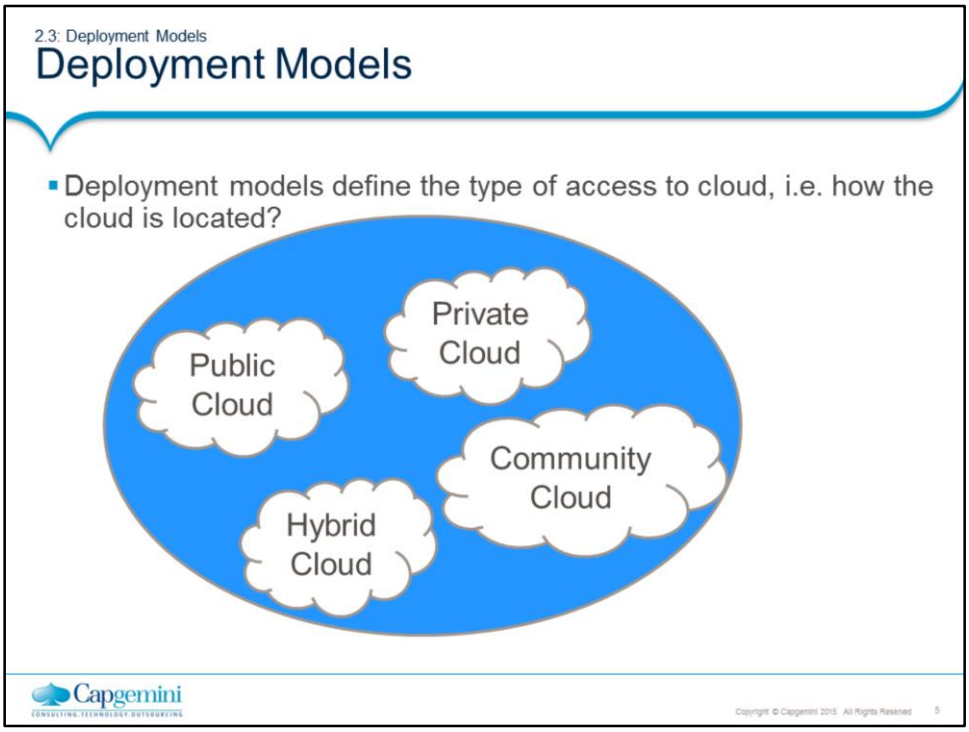

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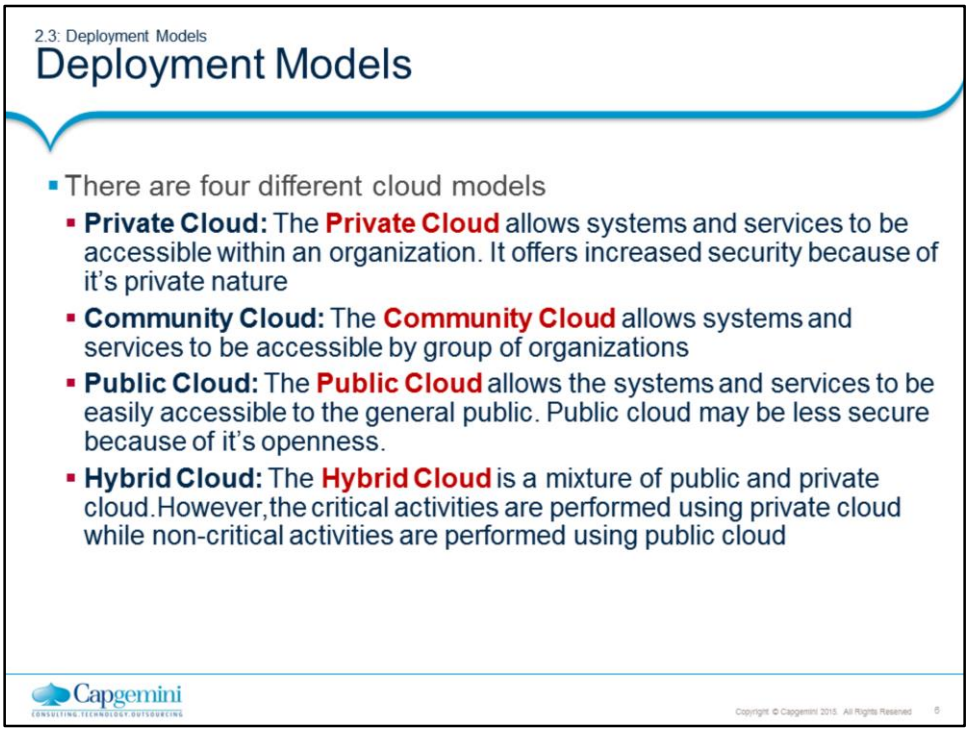

Cloud can have any of the four types of access:
Private Cloud: Here**,** computing resources are deployed for one particular organization. This method is more used for intra-business interactions. Where the computing resources can be governed, owned and operated by the same organization.
Community Cloud: Here**,** computing resources are provided for a community and organizations.
Public Cloud: This type of cloud is used usually for B2C (Business to Consumer) type interactions. Here the computing resource is owned, governed and operated by government, an academic or business organization.
Hybrid Cloud: This type of cloud can be used for both type of interactions - B2B (Business to Business) or B2C (Business to Consumer). This deployment method is called hybrid cloud as the computing resources are bound together by different clouds.

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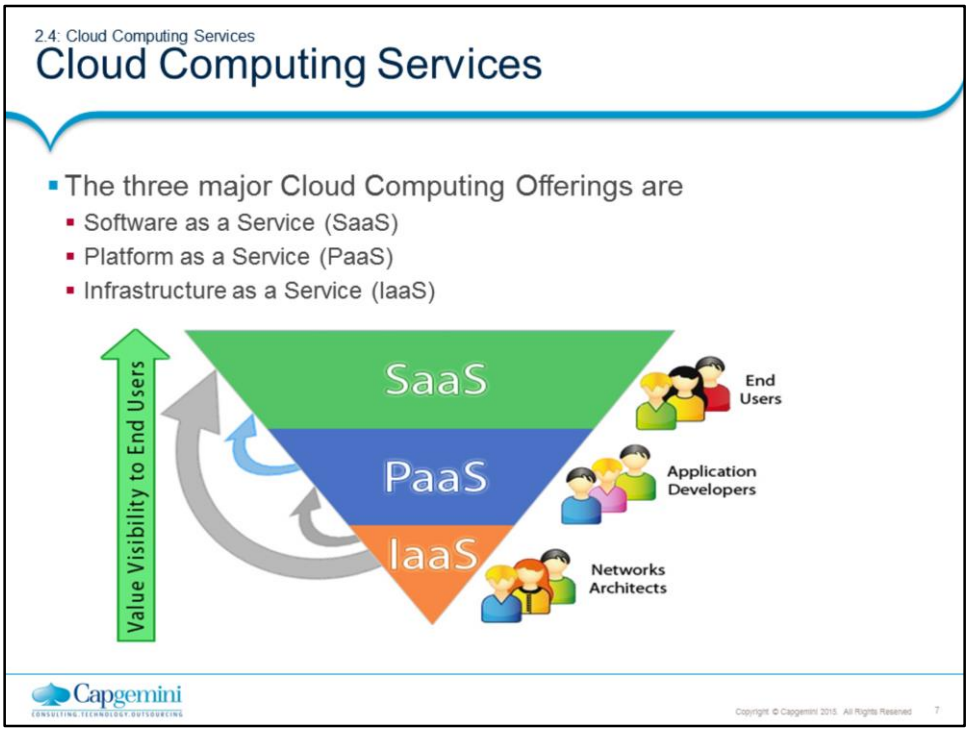

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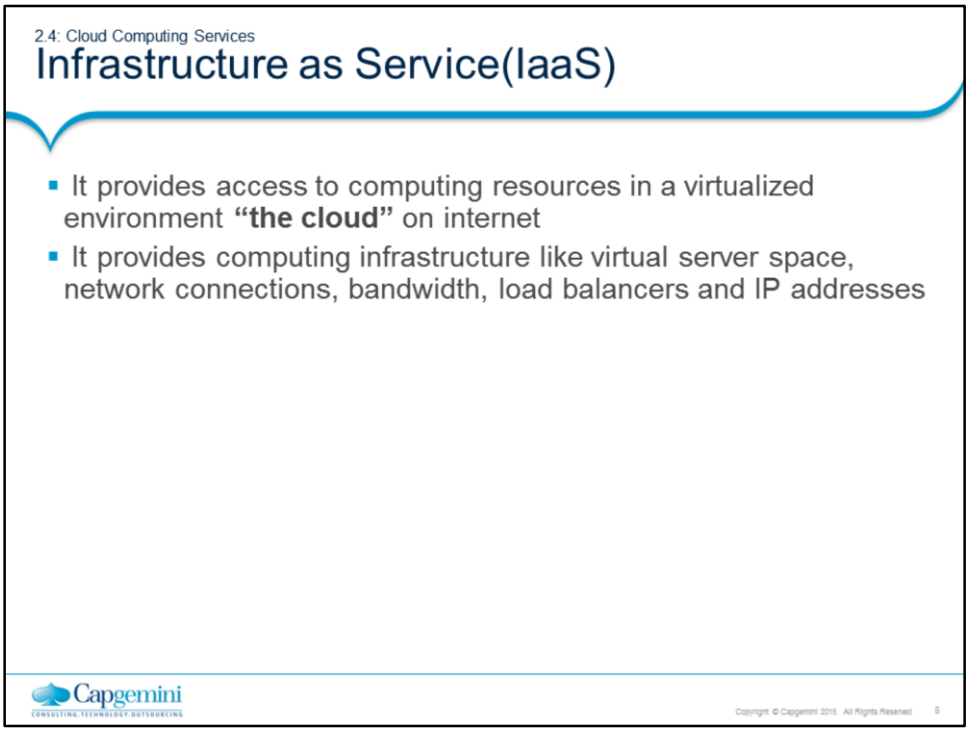

IaaS(Infrastructure as a service) is a complete package for computing. For small scale businesses who are looking for cutting cost on IT infrastructure, IaaS is one of the solutions. Annually a lot of money is spent in maintenance and buying new components like hard-drives, network connections, external storage device etc. which a business owner could have saved for other expenses by using IaaS.

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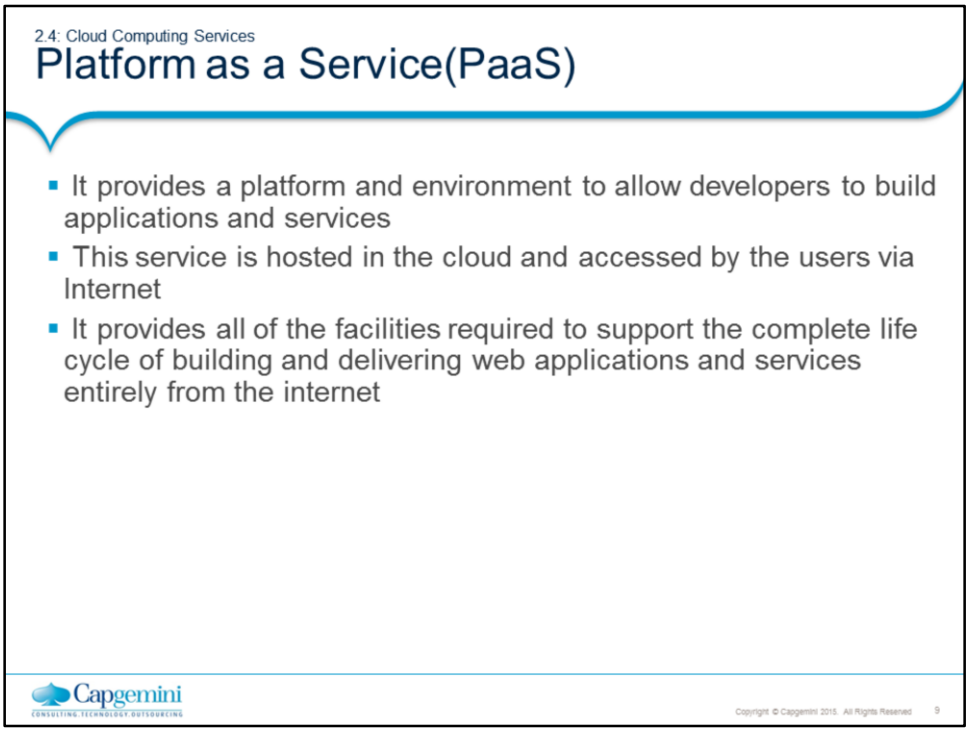

PaaS services are constantly updated & new features added. Software developers, web developers and business can benefit from PaaS. It provides platform to support application development. It includes software support and management services, storage, networking, deploying, testing, collaborating, hosting and maintaining applications.

Instructor Notes:

2.4: Cloud Computing Services

Platform as a Service(PaaS)

- To understand in a simple terms, compare this with painting a picture, where you are provided with paint colors, different paint brushes and paper by your school teacher and you just have to draw a beautiful picture using those tools.

Platform Computing can be compared to your painting class where the teacher gives you paints, brushes etc as a platform to create your painting

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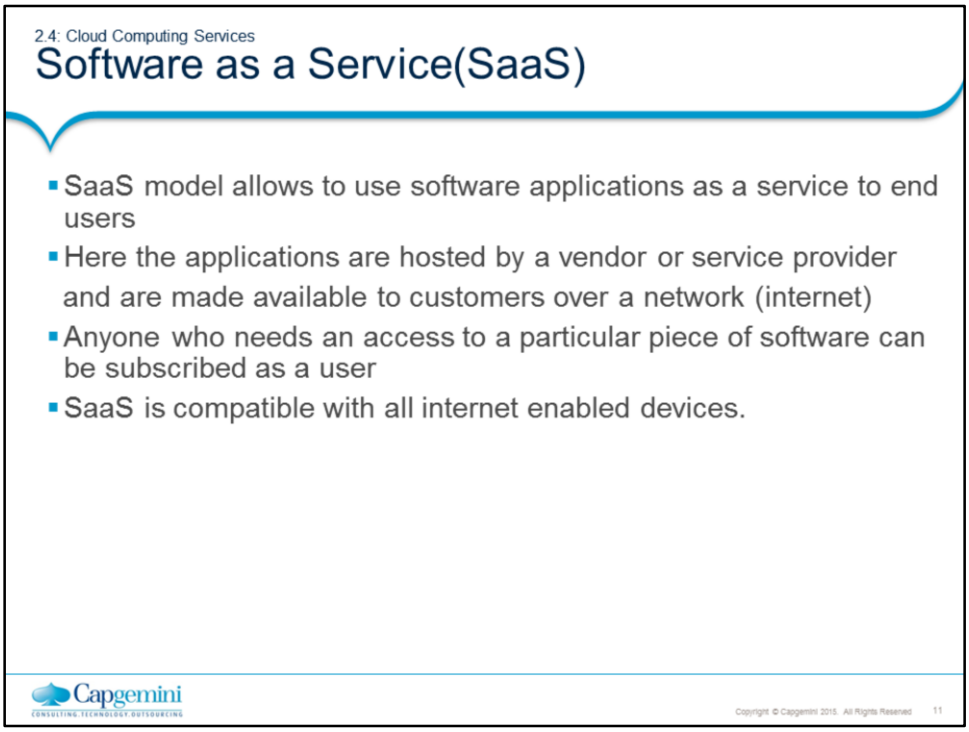
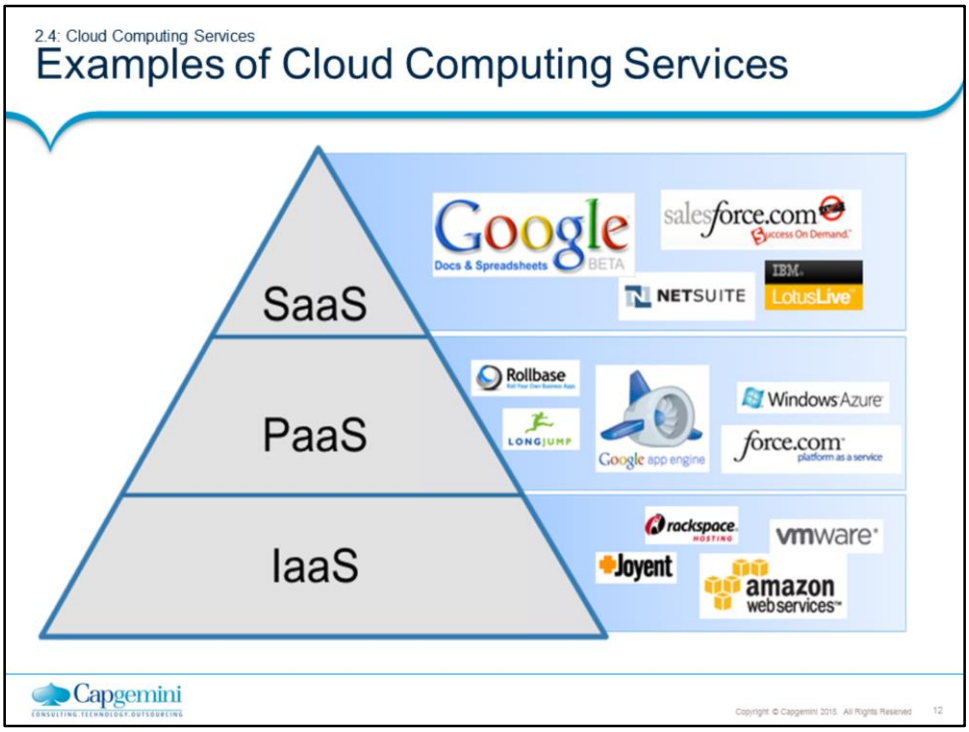


Traditionally, software application needed to be purchased upfront &then installed it onto your computer
SaaS users on the other hand, instead of purchasing the software subscribes to it, usually on monthly basisvia internet.
Many important tasks like accounting, sales, invoicing and planning all can be performed using SaaS.

Instructor Notes:



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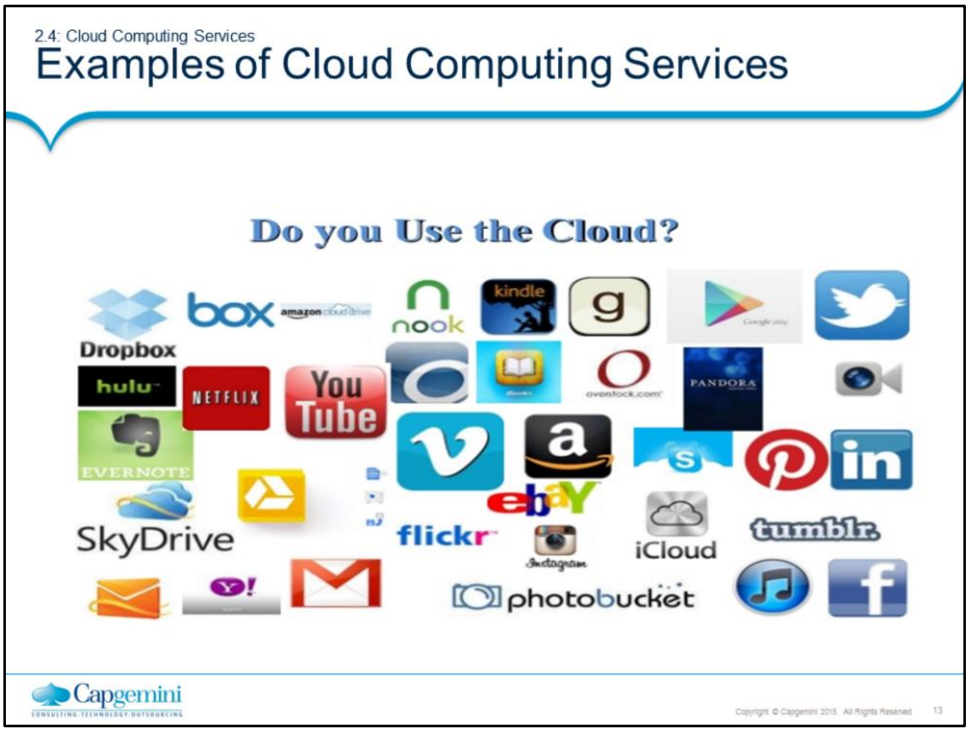

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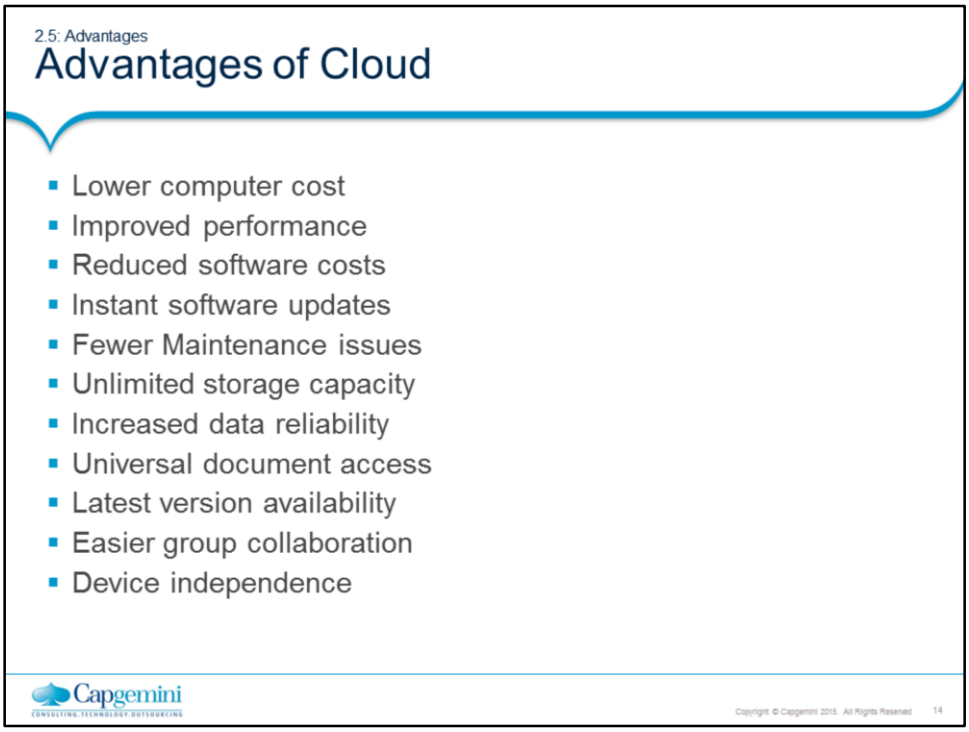

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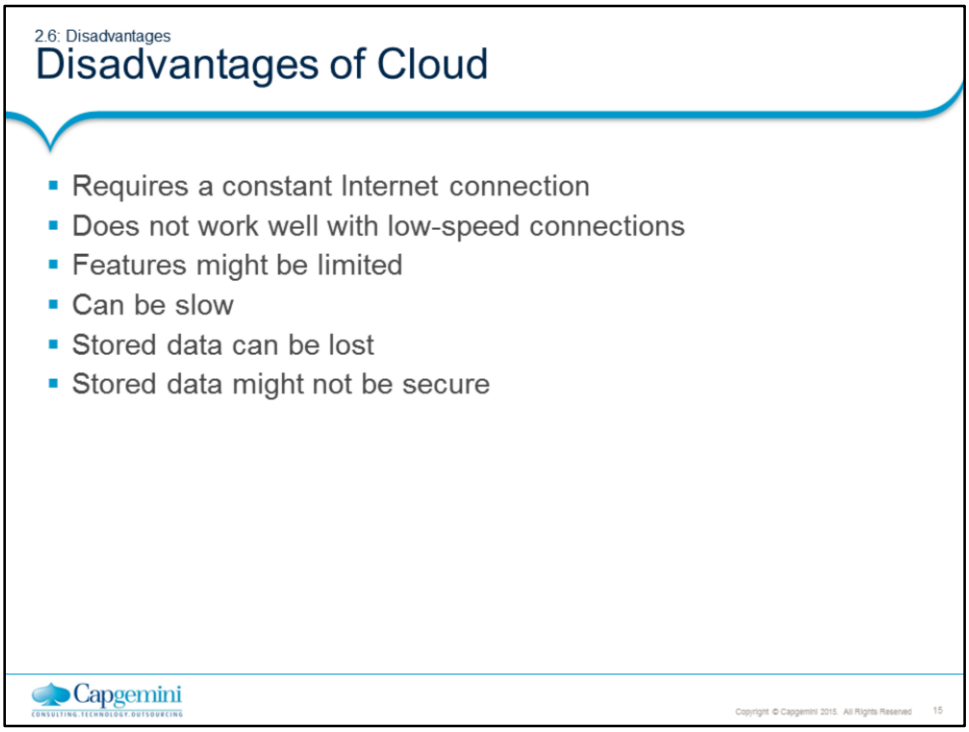

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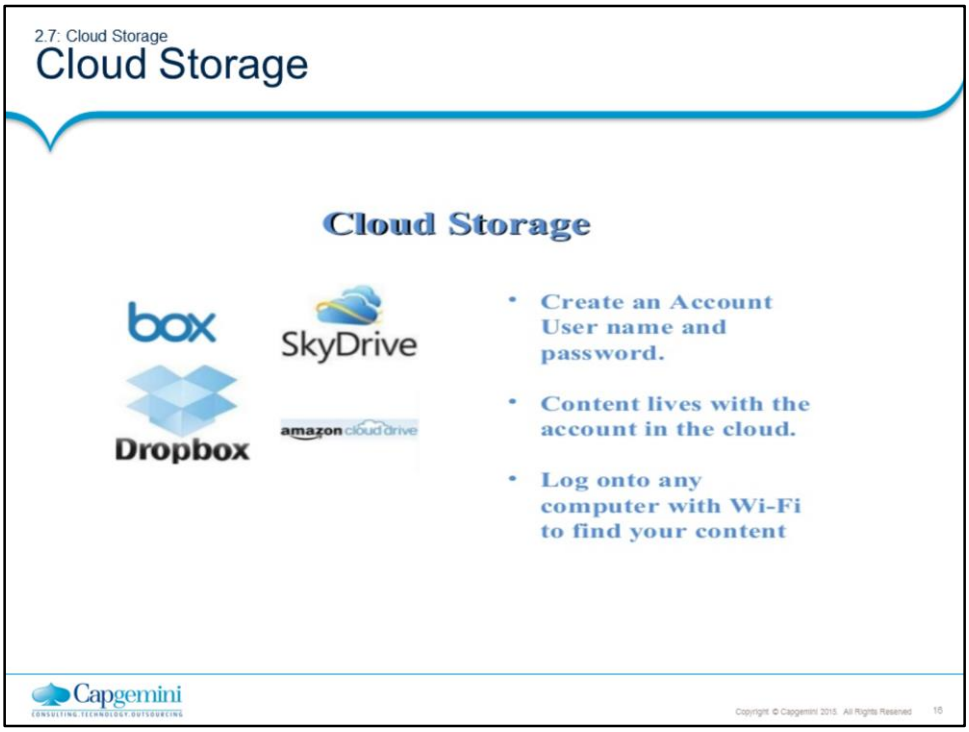


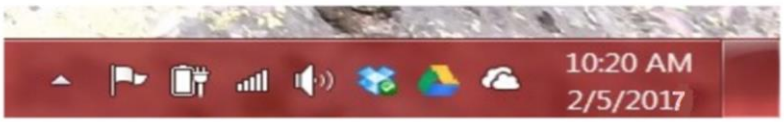
Instructor Notes:

2.7: Cloud Storage

Cloud Storage

Download For Storage

- Download a cloud based app to on **your computer**
- The app lives on your Computer
- Save files to the app
- When connected to the Internet it will sync with the cloud
- The Cloud can be accessed from any Internet connection



https://www.slideshare.net/Agarwaljay/cloud-computing-simple-ppt-41561620

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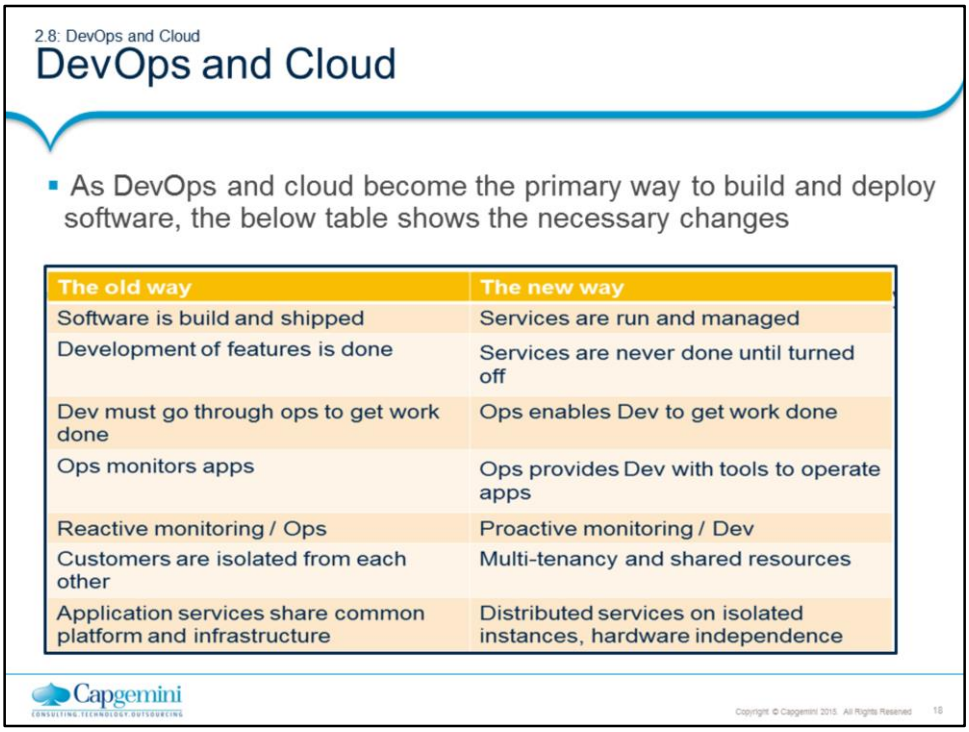

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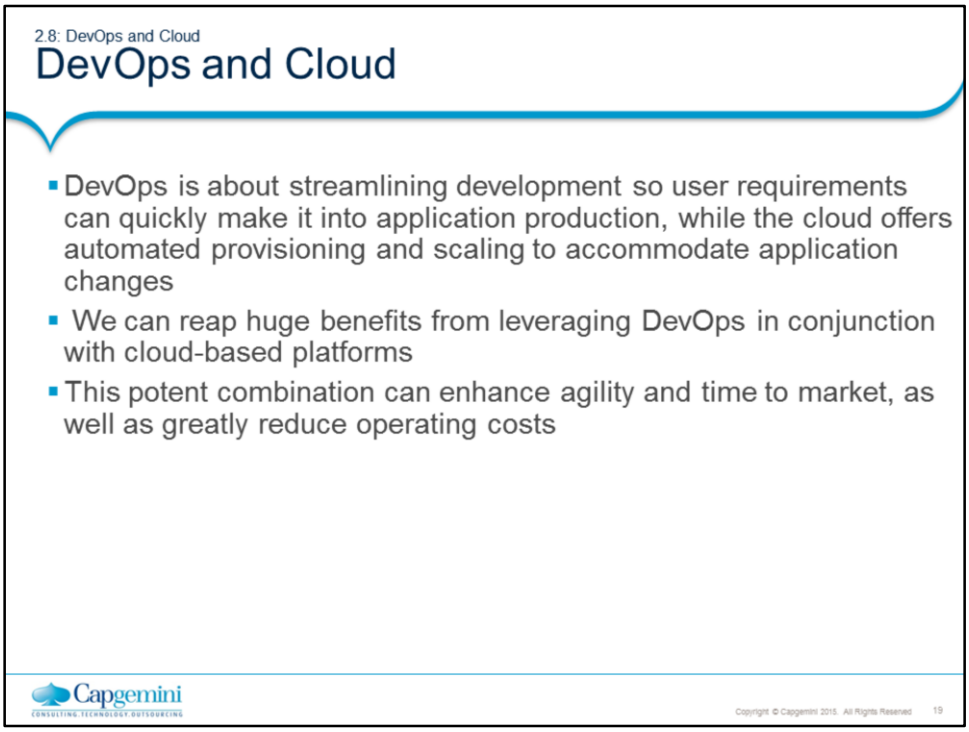

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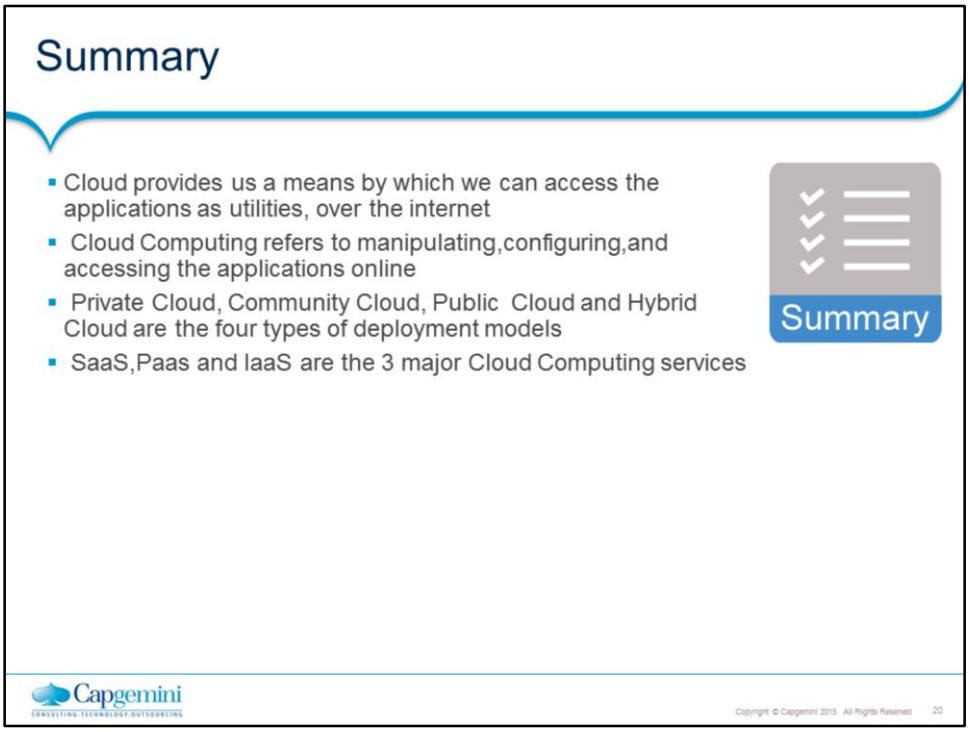

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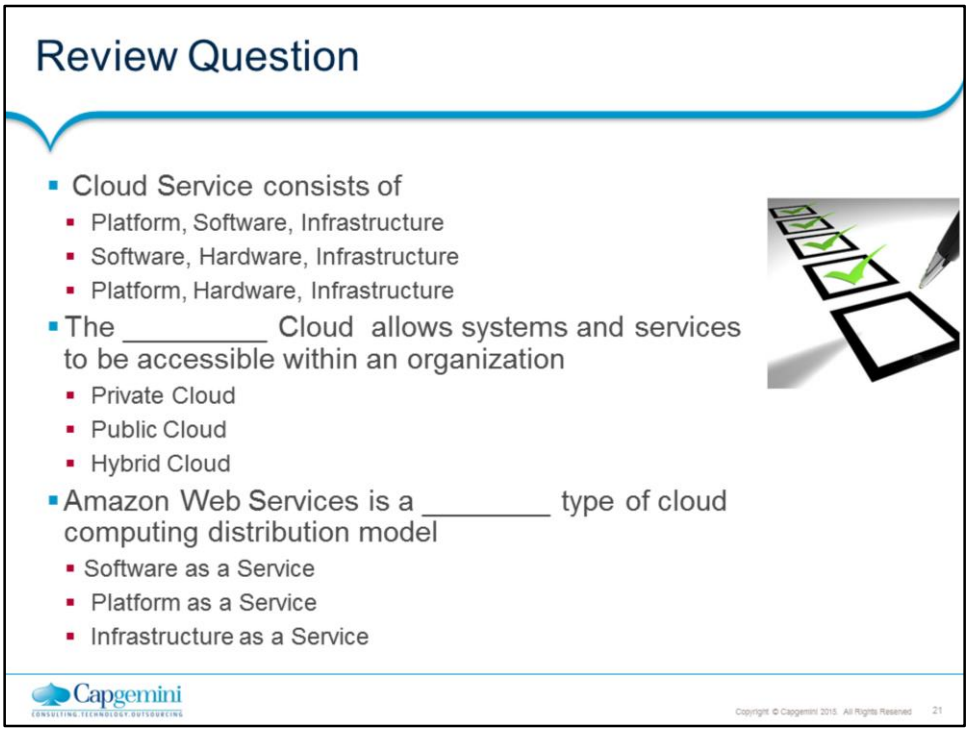
Instructor Notes:

Question 1: Platform,Software,Infrastructure

Question 2: Private Cloud

Question 3:Infrastructure as a Service



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