

Cloud Computing – Lecture 1

Edited/Reviewed By: **Dr. Manar Elkady**

Email: m.elkady@fci-cu.edu.eg

Cloud Computing

Course Overview & Introduction to Cloud Computing

Course Overview

Grading based on

- **Course work** 40%
 - Midterm 20%
 - Assignments / presentation / quizzes 20%
- **Final Exam** 60%

Introduction to Cloud Computing

Definition

Cloud computing is the **delivery of computing as a service** rather than a product, whereby shared resources, software, and information are provided to computers and other devices as a **metered service** over a network (typically the Internet).

Wikipedia

Introduction to Cloud Computing

Our Data Now...



Documents and Media



Personal Data



**Emails, Calendars,
Contacts, Location
Information, etc...**

Introduction to Cloud Computing

Using Diverse Interfaces & Devices



...and even appliances

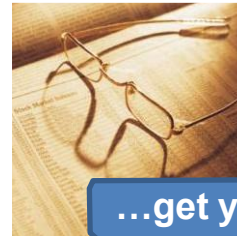
Consumer

We also want to access, share and process our data from all of our devices, anytime, anywhere!

Introduction to Cloud Computing

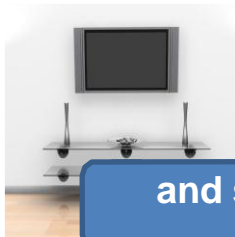


...work on documents?



...get your news & info?

How will
you...



and share media?



...navigate?



...communicate with
friends and family?



...live in an intelligent
home?

Topic 3: Introduction to Cloud Computing

How Will We Manage Our Data?

Manage it ourselves?

- Personal, but time consuming.

How would you get access to your data wherever you are?

- Would you keep it on your devices?
- or would you keep it online?

What if it's managed by someone else?

- and you can get this “service” for free or with a subscription?

Introduction to Cloud Computing

A Cloud is ...

- A data center hardware and software that the vendors use to offer the computing resources

and services



Topic 3: Introduction to Cloud Computing

Cloud Computing



Cloud Computing is the delivery of computing as a service rather than a product,

whereby shared resources, software, and information are provided to computers and other devices,



as a metered service over a network.

Topic 3: Introduction to Cloud Computing

The promise of the Cloud

- Transformation of IT from a **product** to a **service**
- Revolutionizing for health care, financial systems, scientific research, and society



Introduction to Cloud Computing

Why Cloud Computing?

