

# Technology in CA Profession

CA Nithin Mahadevappa

# Profession Then

- Book Keeping
- Audit
- Taxation
- Consulting in small

# Profession Now

- Accountancy
- Auditing
- Taxation
- Cost Accountancy
- Special Company Work
- Investigation
- Executors and Trustees
- Directorship
- Companies Secretarial Work
- Management Accounting

•

•

# Profession Now

- Share Valuation Work
- The Chartered Accountant as Management Consultancy
- Developing management information system.
- Designing budgetary and control system.
- Determining measures of the effective utilisation of capital.
- Installing cost accounting system.
- Assisting the management in the efficient use of working capital as an aid to improve productivity
- Advising management on principles of organisation and methods for effective delegation and planning of work.
- Rendering advice on international taxation matters, foreign collaborations, joint ventures, double taxation agreements etc.,



# Profession Now

- Reviewing procedures and equipment for operational control.
- Review of financial planning and policies for effective utilization of resources.
- Rendering secretarial services and advice on Corporate Law matters.
- Advising management on amalgamations, reconstructions, takeovers and expansion schemes.
- Assist in the preparation of feasibility studies of new project and expansion schemes.
- Advise on the system analysis and design, including selection of hardware and development of software and feasibility of incorporating computer applications for accounting and commercial activities.
- Assist in finding solutions for specific business problems such as product mix decisions, pricing decisions, making representation to Government on various matters etc.



# Profession Now

- Appraisal of personnel policies and practices.
- Assist in the selection of executive personnel in the areas of production, marketing, accounts, data processing, personnel, general administration etc.
- Acting as advisor or consultant to an issue, including such matters as drafting of prospectus and memorandum containing salient features of prospectus, preparation of publicity budget etc.
- Acting investment counselor in respect of securities.
- Acting as registrar to an issue and for transfer of shares/other securities.
- Other Activities.



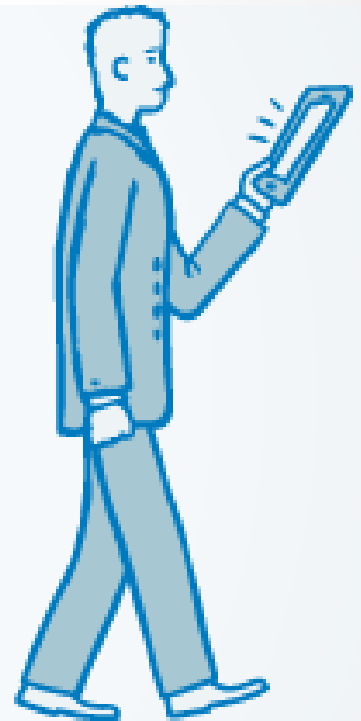
# Profession Then / Now



The double-entry ledger



The spreadsheet



FreeAgent

# Technology Then / now

## Then

- DOS
- Lotus
- Foxpro
- Small Accounting customized softwares – Stand alone

## Now

- MS Office
- Tally
- SAP/Oracle/Microsoft Dynamics
- Tax Computation Applications
- Compliance Applications
- Email and web applications
- Emergence of Cloud based applications
-

# Technology Now

- Stand Alone Softwares viz. Tally, Winman, Relyon, etc.
- Desktop Applications.
- Networked systems to a local server.
- Multiuser softwares mostly in a local Network.
- Email.
- Emergence of cloud hardwares/software

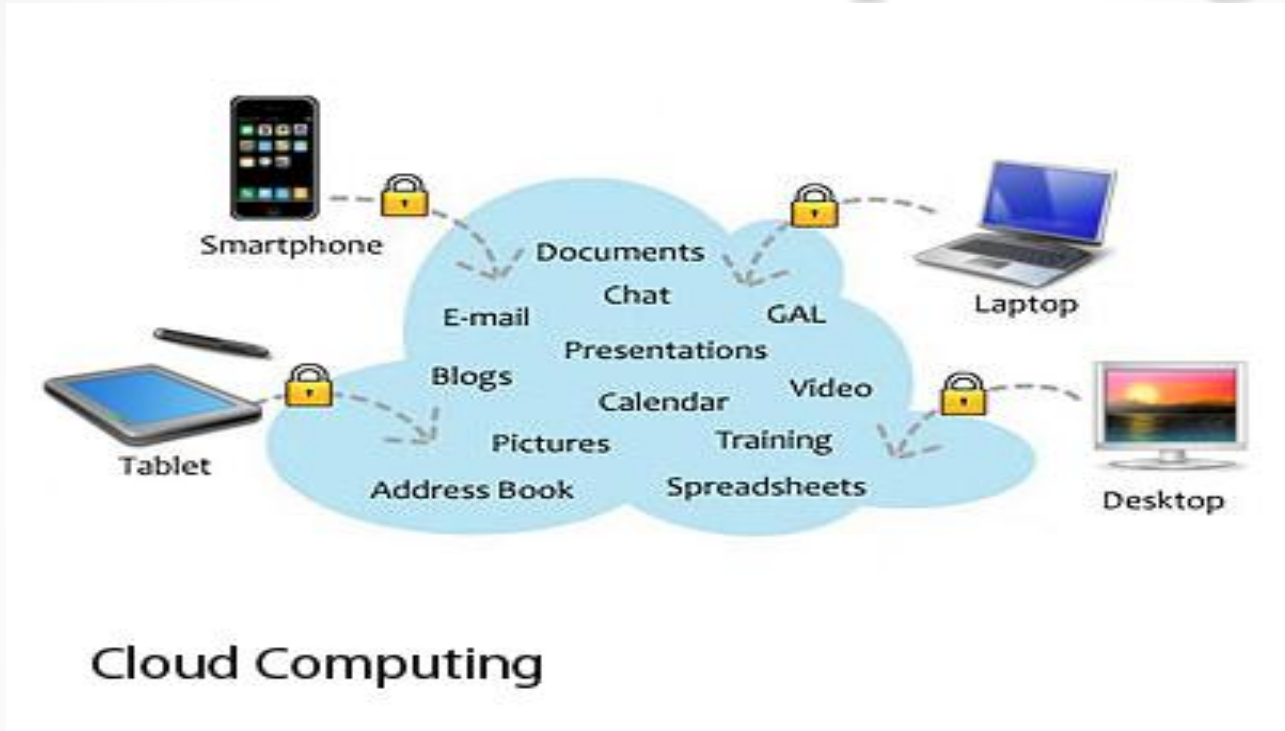
# Future



# What's Cloud Computing

- **Cloud Computing** is a general term used to describe a new class of network based computing that takes place over the Internet,
  - basically a step on from Utility Computing
  - a collection/group of integrated and networked hardware, software and Internet infrastructure (called a platform).
  - Using the Internet for communication and transport provides hardware, software and networking services to clients
- These platforms hide the complexity and details of the underlying infrastructure from users and applications by providing very simple graphical interface or API (Applications Programming Interface).

# Cloud Computing



- Shared pool of configurable computing resources
- On-demand network access
- Provisioned by the Service Provider
-

# Characteristics

## Common Characteristics:

**Massive Scale**

**Resilient Computing**

**Homogeneity**

**Geographic Distribution**

**Virtualization**

**Service Orientation**

**Low Cost Software**

**Advanced Security**

## Essential Characteristics:

**On Demand Self-Service**

**Broad Network Access**

**Rapid Elasticity**

**Resource Pooling**

**Measured Service**

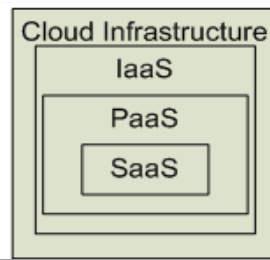
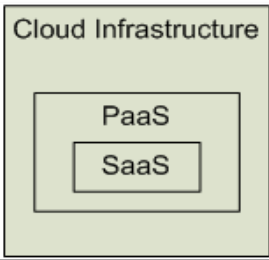
# Models

Software as a Service (SaaS)

Platform as a Service (PaaS)

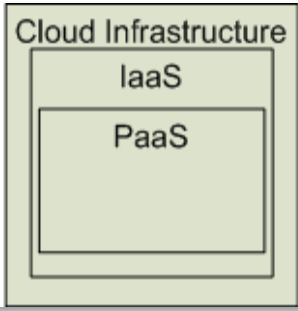
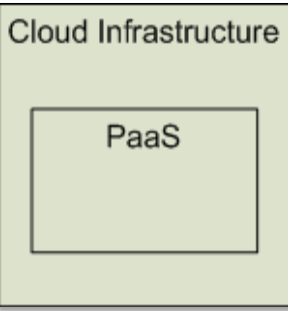
Infrastructure as a Service (IaaS)

SalesForce CRM  
LotusLive



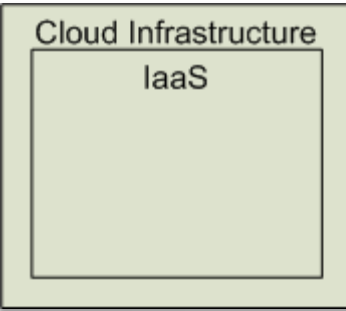
Software as a Service (SaaS)  
Providers  
Applications

 Google App  
 Windows Azure  
The Future Made Familiar



Platform as a Service (PaaS)  
Deploy customer created Applications

 amazon web services™  
 rackspace® HOSTING



Infrastructure as a Service (IaaS)  
Rent Processing, storage, N/W capacity & computing resources

# Types of cloud services

- Public Cloud
- Private Cloud
- Community Cloud
- Hybrid Cloud(Combined Cloud)

# Clouds

1. Free Cloud Storages
2. Third Party Subscriptions
3. Own Hardware Cloud

# Free Clouds

- GOOGLE DRIVE
- ONE DRIVE
- i-Cloud
- Dropbox
- Box – 2005
- Spideroak
- Amazon Cloud Drive
- FREE CLOUD STORAGEES:



# Why cloud service is popular?

- Reduce the complexity of networks.
- Do not have to buy software licenses.
- Customization.
- Cloud providers that have specialized in a particular area (such as e-mail) can bring advanced services that a single company might not be able to afford or develop.
- Scalability, reliability, and efficiency.
- Info. at cloud are not easily lost.

# Future CA Office?

## What CA Office Automation will be?

- A single Application to manage overall activities of CA Office. Viz. Planning, Organizers, Work allocation, Presentation, Staff, Clients, Projects, tasks, billings, documents, compliance, discussions, meetings, MIS, etc.
- The same application integrated with add-on or applications included for Computation, calculation, compliance.
- On the go application.



# Future CA Office?

- Used on all platforms and gadgets/Machines simultaneously.
- Safe, reliable and same data across the users.
- Integrated email and training facility.
- Pay as per usage.
- Easy documentation and trial– Peer Review.

# ICAI Initiatives

- Cloud Based SVT, TDS software & PDF Signer at Special price through KDK Software (India) Pvt Ltd.
- Tax suite software at special price through KDK Software (India) Pvt Ltd.
- XBRL software at special price through KDK Software (India) Pvt Ltd.
- IT Auditor Software at Special price through KDK software Pvt. Ltd.
- Single DVD of CTR Library of Tax Cases (comprehensive coverage on Direct Taxes) at special price through Wolters Kluwer (India) Pvt Ltd.
- India Financial Reporting Manager (IFRM) at discounted Price through Wolters Kluwer (India) Pvt Ltd.
- Accounting Software at Discounted Price through Busy Infotech Pvt. Ltd.

# CA Nithin Mahadevappa

