



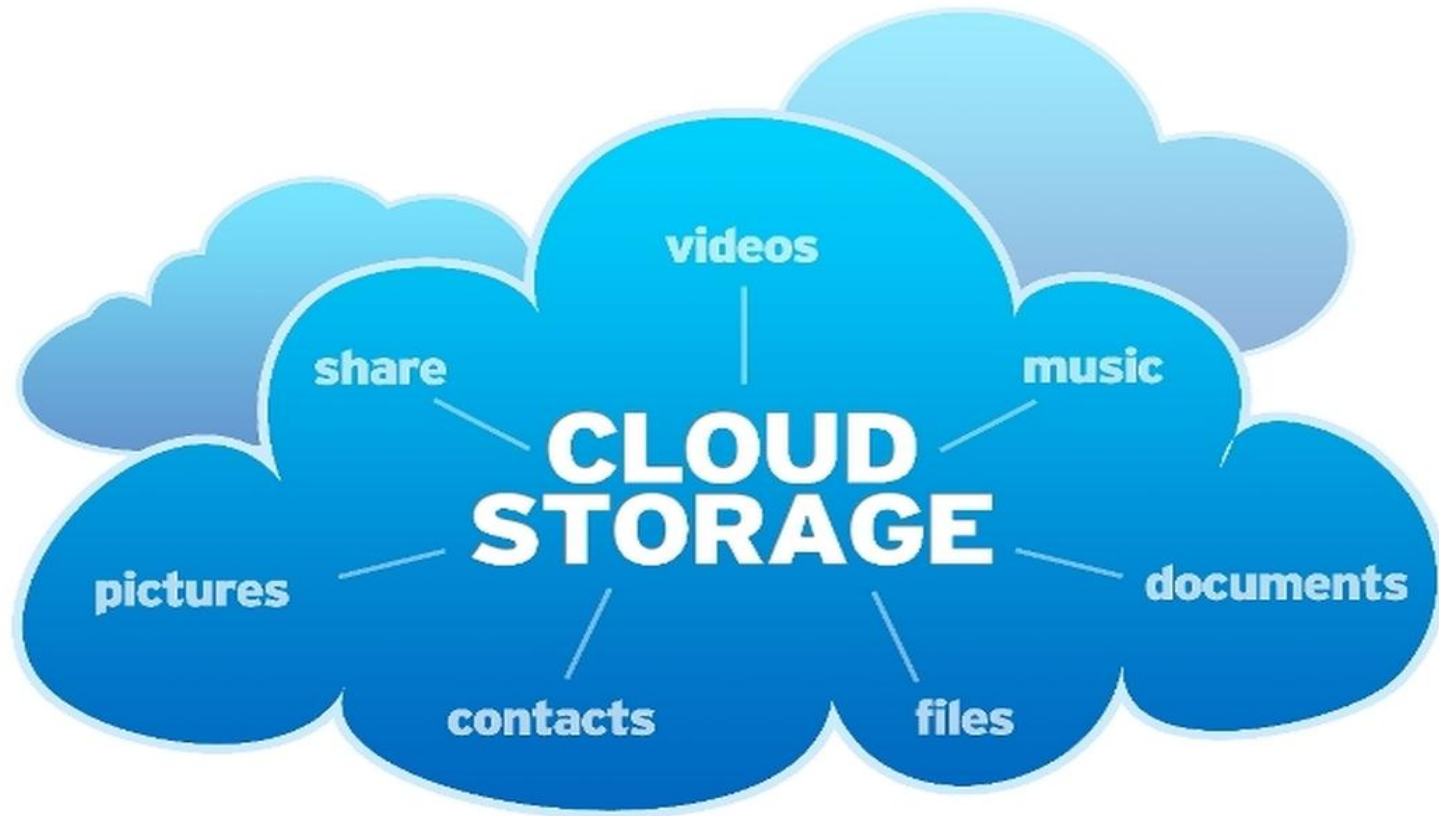
# جامعة الحمدانية / كلية التربية قسم علوم الحاسوب Fourth Class

## Data Security



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# • Cloud Storage



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- **What is cloud storage?**
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# •What is cloud storage?

*Cloud storage is a model of data storage in which the digital data is stored in logical pools, the physical storage spans multiple ~~servers~~ , and the physical environment is typically owned and managed by a hosting c*



*Data (or files) are said to be stored in the cloud when they are saved on a remote server, which is easily accessible from anywhere with internet access. This allows access to the data from any device connected to the internet, including computers, tablets and smartphones*



- **local data storage Vs Cloud storage**

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- *This is in contrast to local data storage, where data is stored on the hard drive of a local desktop or a laptop*
- *Cloud storage is a service model in which data is maintained, managed and backed up remotely and made available to users over a network (typically the Internet).*

- **Commonly used platforms**



Google Drive



OneDrive



Dropbox



iCloud



# • Google Drive



- This is a 'pure' cloud computing service, with all the apps and storage found online. You can use it via desktop top computers, tablets like the iPad or on smartphones.
- All of Google's services could be considered cloud computing really: Gmail, Google Calendar, Google Reader, Google Voice, and so on.
- Microsoft's One Drive is very similar to Google Drive and offers much the same services.

# • Dropbox



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- *Commonly used by staff to store their documents and images. You might set your phone to automatically send all pictures you take with it into your Dropbox account, so that even if you lose your phone, the pictures will still be available to you up in space; you might use it to access your documents at home, and then save changes to it.*



# • Apple iCloud



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- Apple's cloud service is primarily used by Apple users for online storage and synchronization of their mail, contacts, calendar, and more.
  - if you make a change to a document, say, on one of your devices, it will automatically update it so that when you next access it.
  - If you have loads of data up there (perhaps pictures or films you have made) then you will need to pay for extra storage – as indeed you do for all of these services

# Common Features

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- *A three platforms are third party services.*
- *All offer a basic amount of free storage:*
  - *Dropbox: 5 GB*
  - *OneDrive (linked to Microsoft live account): 7 GB*
  - *Google Drive (linked to Gmail account): 15 GB*
- *After that, the user has to pay a yearly or monthly subscription fee.*

# • Basic Features

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- All platforms can easily be accessed via a web browser.
- All also offer apps for ease of access from a smartphone or tablet.
- All three feature a directory structure similar to that of a computer drive; this facilitates navigation and organization

# • **Additional Features**

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- Online editing: OneDrive and Google Drive
- offer the possibility of editing documents inside a web browser.
- No additional software is needed.
- Folders or specific files can be shared with others; this facilitates collaboration.



- **What are the limitations?**

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- Limited storage.
- Many colleagues are reluctant to pay for a service they need for
- work, and the amount of free storage with all of these providers is limited.

# ADVANTAGES OF CLOUD STORAGE

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- Usability
- Bandwidth
- Accessibility
- Disaster Recovery
- Cost Savings

# CLOUD STORAGE – BUSINESS BENEFITS

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- There's no need for CDs, external hard drives, or localized servers.
- Data is quickly and automatically updated in the cloud and available for your retrieval whenever you need it.
- Should your office become the victim of a burglary, fire, or natural disaster, your data is safe and secure in the cloud, even if your physical assets are destroyed.

# CLOUD STORAGE – BUSINESS BENEFITS

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- One of the greatest benefits of cloud storage is its ability to grow with its users.
- With no need for physical, on-site storage space, you can have a smaller workspace, less equipment to buy



Thank  
you

