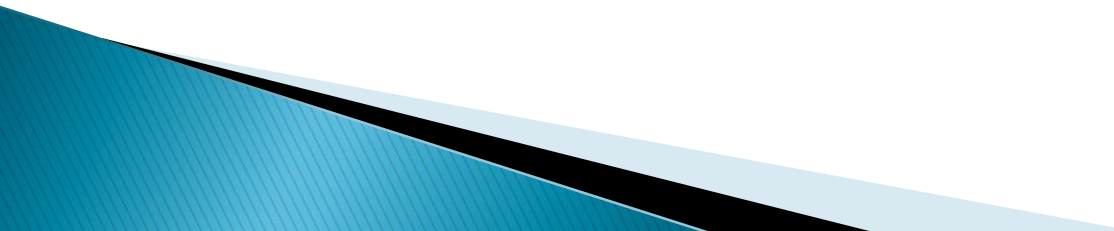


Data Storage for your Business

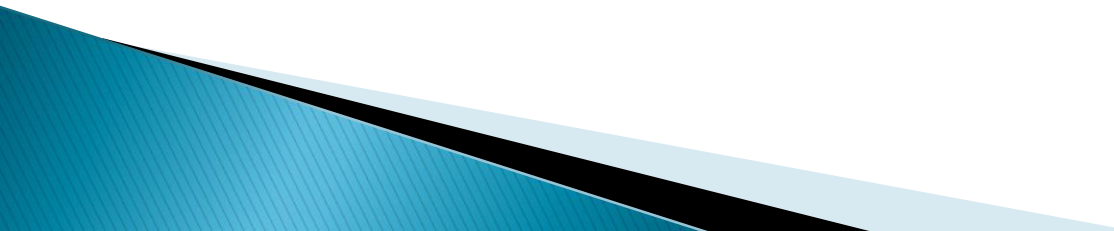
Michael Borglin

Software Engineer at SolarCity and Great Lakes
Agricultural Research Service Inc.

From start to finish

- ▶ Why backup your data?
 - ▶ History of Data Storage
 - ▶ Early attempts
 - ▶ Success in the Cloud with Dropbox
 - ▶ Practical Uses
- 

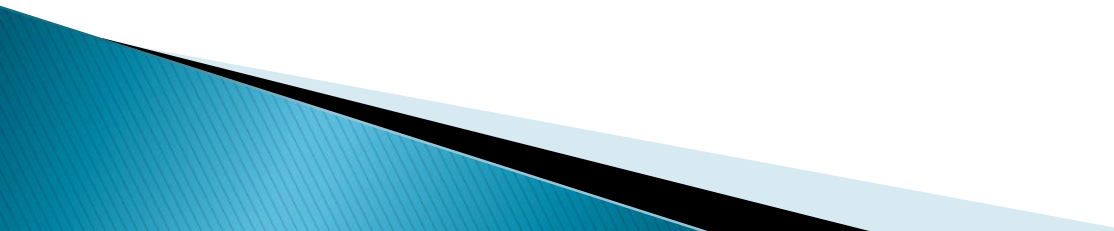
Why backup your data?

- ▶ Fire/Tornado/Lightning/Rain
 - ▶ Hacks, Viruses, and Ransomware
 - GLARS Ransomware event
 - ▶ Theft or Loss
 - ▶ Hardware Failure
- 

History of Data Storage

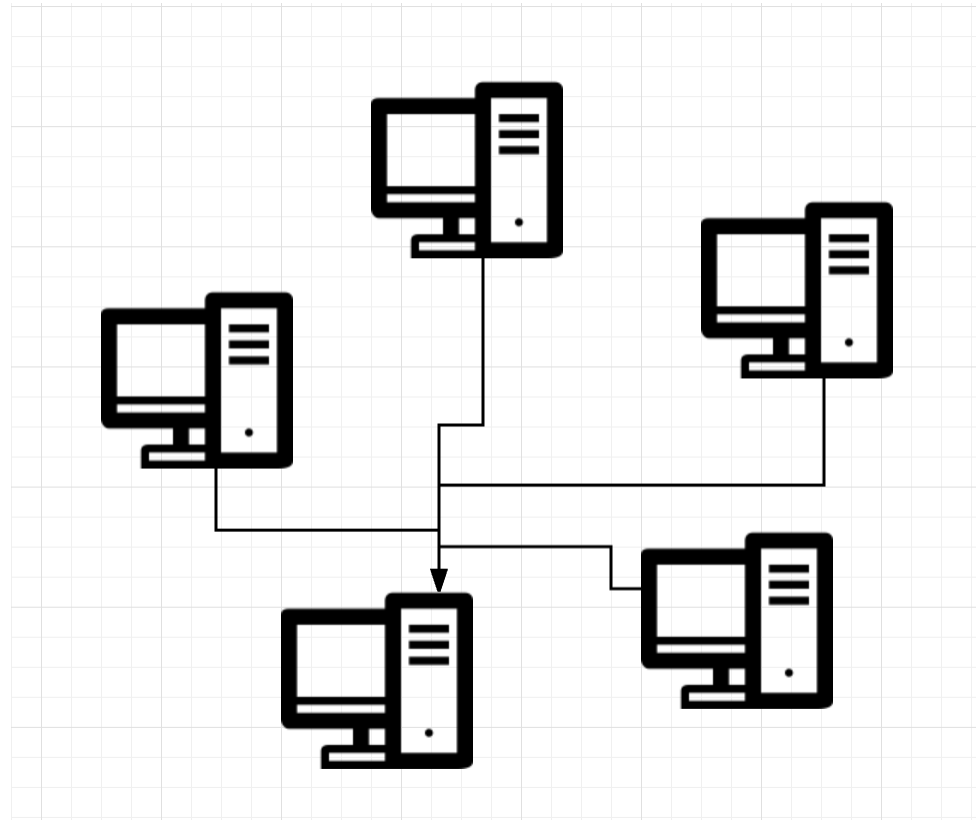
- ▶ Floppy Disks < 5 MegaByte (MB)
- ▶ Magnetic Tapes < 5 GigaByte (GB)
- ▶ Dedicated Computer < 500 GB
- ▶ Network Storage < 5 TeraByte (TB)
- ▶ Internet/Cloud < Infinity
 - What is Cloud computing?

Typical Sizes

- ▶ One Photo 1–5 MB
 - ▶ Ten PowerPoint presentations 1 MB
 - ▶ One two hour video 2 GB
 - ▶ One hundred ten page Word Documents 1 MB
 - ▶ Decade worth of emails 10 GB
- 

Early Attempt

- ▶ Dedicated Computer and then Network Storage



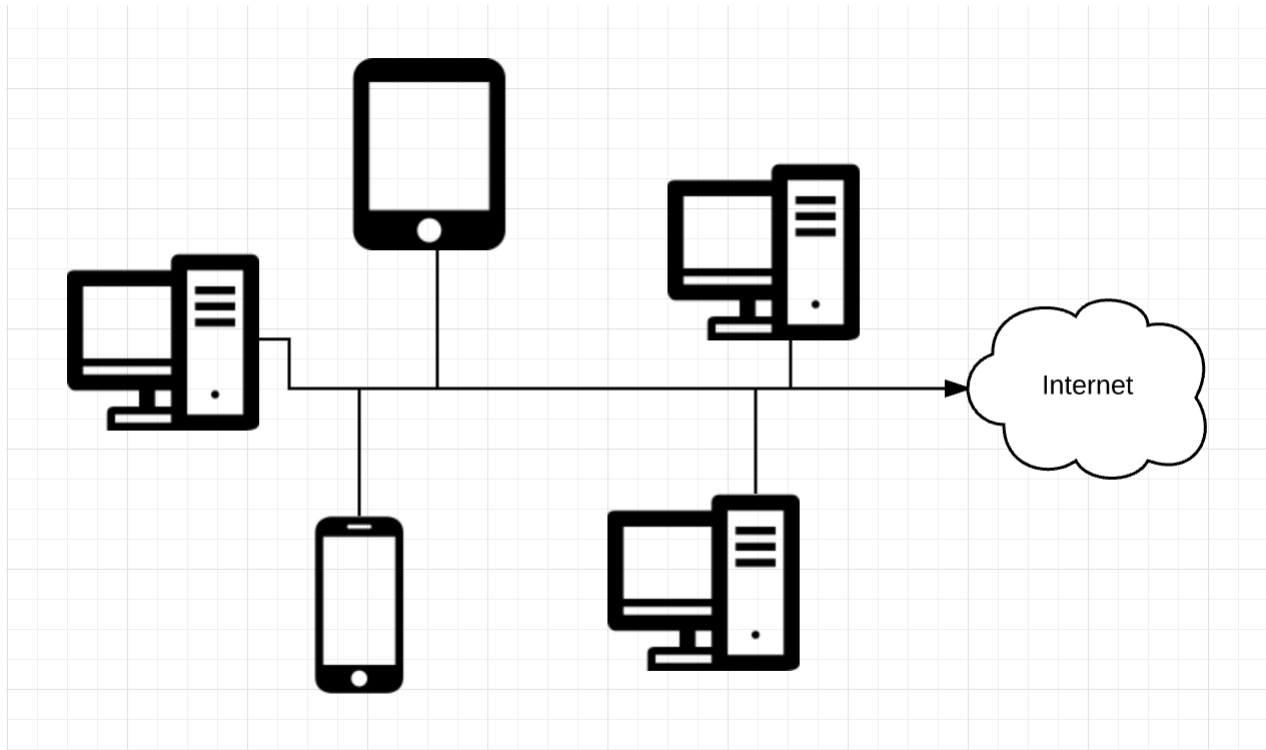
Cloud Storage Companies

- ▶ www.amazon.com/clouddrive
- ▶ www.box.com
- ▶ www.google.com/drive
- ▶ www.onedrive.live.com
- ▶ www.carbonite.com
- ▶ www.dropbox.com

See more info here:

<http://beebom.com/best-dropbox-alternatives-for-cloud-storage/>

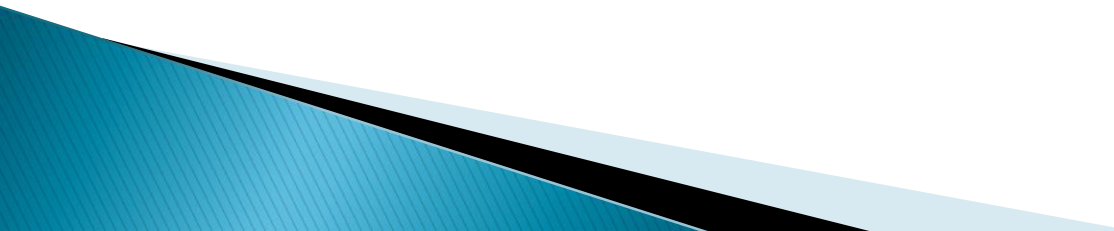
Success in the Cloud with Dropbox



Dropbox

- ▶ Individuals (Or Small Business)
 - 1 TB
 - \$100 a year
 - No Phone Support
- ▶ Business
 - Unlimited Storage
 - \$150 per user per year
- ▶ Enterprise
 - Personalized Support
 - Really Expensive

Dropbox Security

- ▶ Share files to other Dropbox users
 - ▶ Share Publicly
 - ▶ Share with URL
 - ▶ Double Authentication
 - Text Messages
 - Google Authenticator Application
 - ▶ Don't use real answers to security questions!
- 

Practical Uses

- ▶ SOPS, ARM Data, and Plot Maps
 - ▶ Password Safe
 - ▶ Photos from the field
 - ▶ Data Collection
 - ▶ Share files with publicly or privately
- 