

# Backup Solutions

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## Requirements

- + In house
  - + Software
  - + Hardware
    - + USB Drive
    - + Local Server with a share
- + To the cloud
  - + Subscription service of some sort

## What to discuss

- + Requirements
- + In house backup solutions
- + Cloud backup solutions
- + Pro/Cons Comparison
- + Questions

## In house backup solutions

- + Time Machine
  - + <http://www.apple.com/findouthow/mac/#timemachinebasics>
  - + Price: Free
- + Super Duper
  - + <http://www.shirt-pocket.com/SuperDuper/SuperDuperDescription.html>
  - + Price: Free
- + Carbon Copy Cloner
  - + <http://www.bombich.com/>
  - + Price: Free

## Time Machine – In house

- + Comes pre-installed on all Mac's from Tiger and up
- + Not many configuration changes are allowed to be set via the GUI
- + Can backup to a USB drive or a time capsule
  - + With some tweaking you can backup to a folder

## Carbon Copy Cloner – In house

- + Can be downloaded at no cost
- + Has lots of options that you can set that the other two applications do not.
- + Can be backed up to a USB drive, disk image, folder, or a remote server

## Super Duper – In house

- + Can be downloaded at no cost
- + There a few more options that can be set that time machine cannot do
- + Can be backed up to a USB drive or a disk image
  - + This disk image can be stored on a share drive(Slower)

## Cloud backup solutions

- + Dropbox
  - + <https://www.dropbox.com/>
  - + Price: Free/paid
- + Carbonite
  - + <http://www.carbonite.com>
  - + Price: \$59/year
- + Hosting server
  - + Many to choose
  - + Price: Varies

## Dropbox - Cloud

- + Free limited space but have to pay for more storage
- + You have to drag or save your items in the dropbox folder
  - + Can configure soft links to make it easier

## Hosting Server - Cloud

- + Usually a cost
- + Need to configure your backup script/application to send the file to the server

## Carbonite - Cloud

- + Paid subscription
- + Only configuration is to tell it what to backup

## Pro/Cons Comparison

### In house

- + Pro: Faster to backup
- + Pro: Cheaper
- + Cons: Chance for data corruption
- + Cons: Can only access backup if you have drive with you

### Cloud

- + Pro: Your data is highly guaranteed
- + Pro: Can be access anywhere you have internet connection
- + Con: Can be expensive
- + Con: Need internet access to backup