

TECHNOLOGY FOR LAW FIRMS IN 2011

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2011 HBA Technology and the Practice of Law Seminar

OVERVIEW

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- What is “Cloud Computing”?

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- What are the Pros?

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- What does a cloud-based legal practice look like?

OVERVIEW

- What is “Cloud Computing”?
- What are the Pros?
- What are the Cons?
- What does a cloud-based legal practice look like?
- Review of the Computer & Technology Section App.

WHAT IS CLOUD COMPUTING?

CLOUD COMPUTING IS...



CLOUD COMPUTING IS...

- aka “Software as a Service”



CLOUD COMPUTING IS...

- aka “Software as a Service”
- akin to “renting space for your data”



CLOUD COMPUTING IS...

- aka “Software as a Service”
- akin to “renting space for your data”
 - using someone else’s server; and



CLOUD COMPUTING IS...

- aka “Software as a Service”
- akin to “renting space for your data”
 - using someone else’s server; and
 - using their software to access/manipulate your data



CLOUD COMPUTING IS...



CLOUD COMPUTING IS...

- Usually access your data via a web browser



CLOUD COMPUTING IS...

- Usually access your data via a web browser
- Can use any Internet-capable device



CLOUD COMPUTING IS...

- Usually access your data via a web browser
- Can use any Internet-capable device
- Access from anywhere with an Internet connection



CLOUD COMPUTING IS...

- Usually access your data via a web browser
 - Can use any Internet-capable device
 - Access from anywhere with an Internet connection
- Many legal applications are available online



WHAT IS SO GREAT ABOUT CLOUD COMPUTING?

BENEFITS OF THE CLOUD

- Saves Time
- Saves Money
- Protects Data (Better)

SAVES TIME



SAVES TIME

- Fewer IT resources needed



SAVES TIME

- Fewer IT resources needed
- Easier to implement



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- Quick to deploy



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- High availability



SAVES TIME

- Fewer IT resources needed
- Easier to implement
- Quick to deploy
- High availability
- Remote access --> mobility

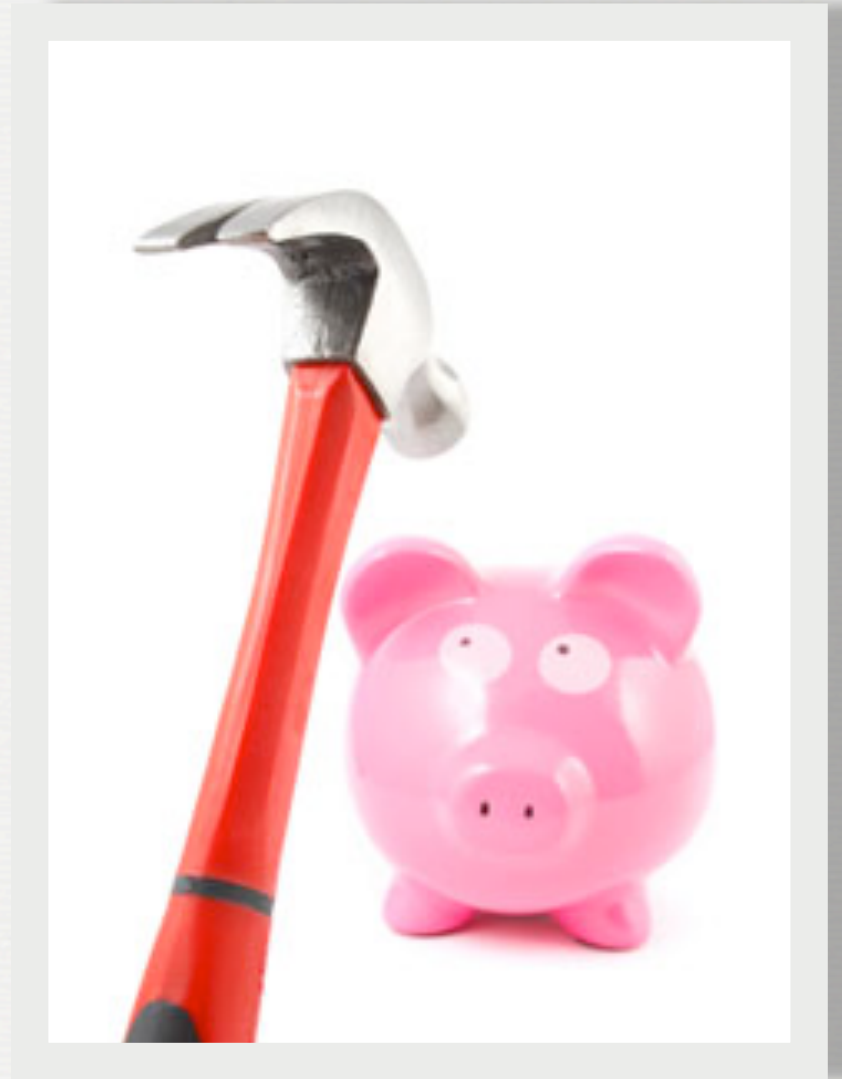


SAVES TIME

- Fewer IT resources needed
- Easier to implement
- Quick to deploy
- High availability
- Remote access --> mobility
- Automatic updates and upgrades



MONEY



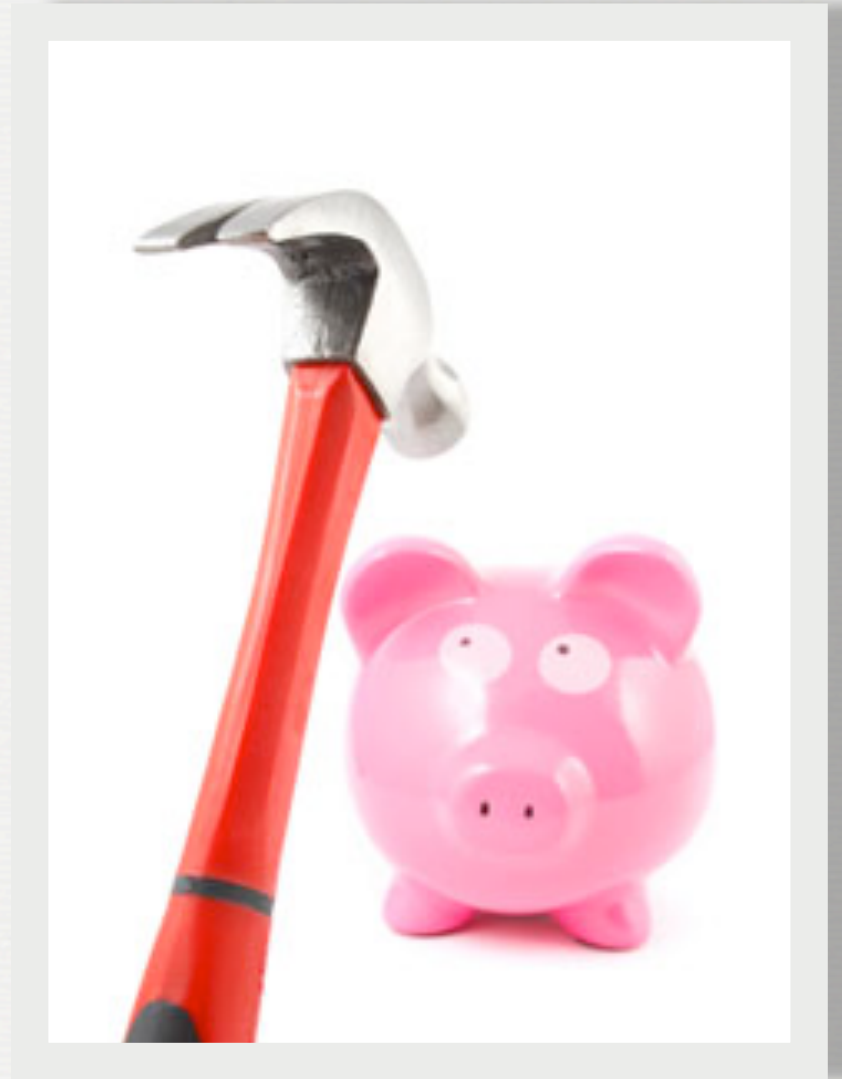
MONEY

- Lower Total Cost of Ownership (TOC)



MONEY

- Lower Total Cost of Ownership (TOC)
 - Hardware



MONEY

- Lower Total Cost of Ownership (TOC)
 - Hardware
 - Software



MONEY

- Lower Total Cost of Ownership (TOC)
 - Hardware
 - Software
 - Overall IT expenses



MONEY

- Lower Total Cost of Ownership (TOC)
 - Hardware
 - Software
 - Overall IT expenses
 - Uses a utility price model



MONEY

- Lower Total Cost of Ownership (TOC)
 - Hardware
 - Software
 - Overall IT expenses
 - Uses a utility price model
 - Scalable / Adaptable

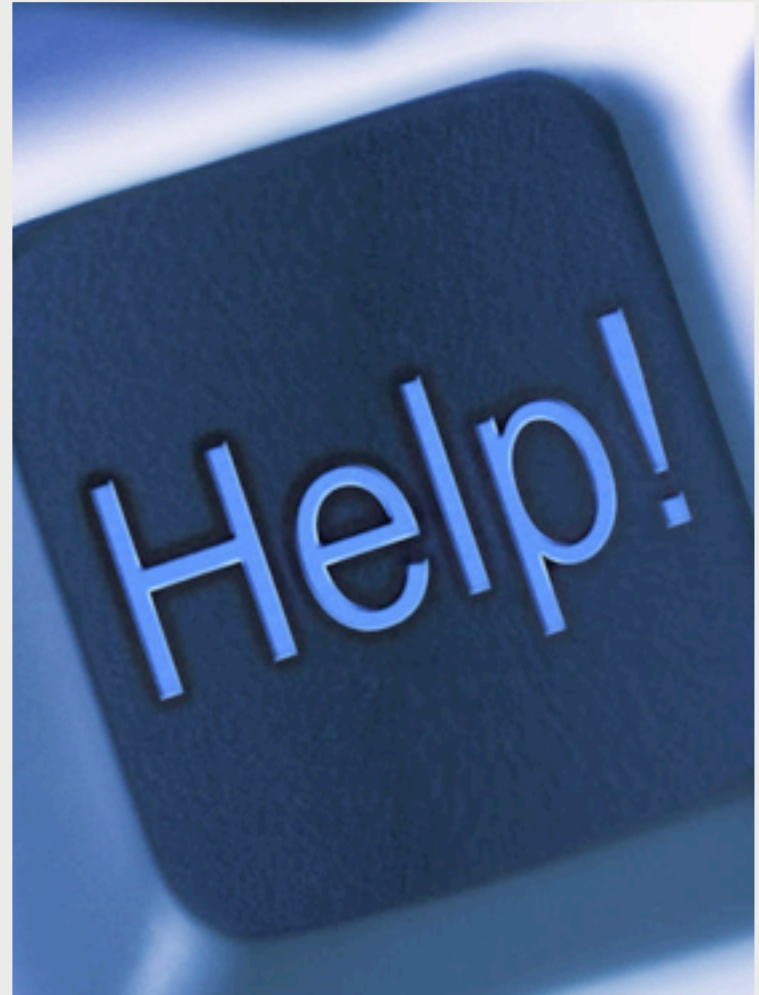


DATA PROTECTION



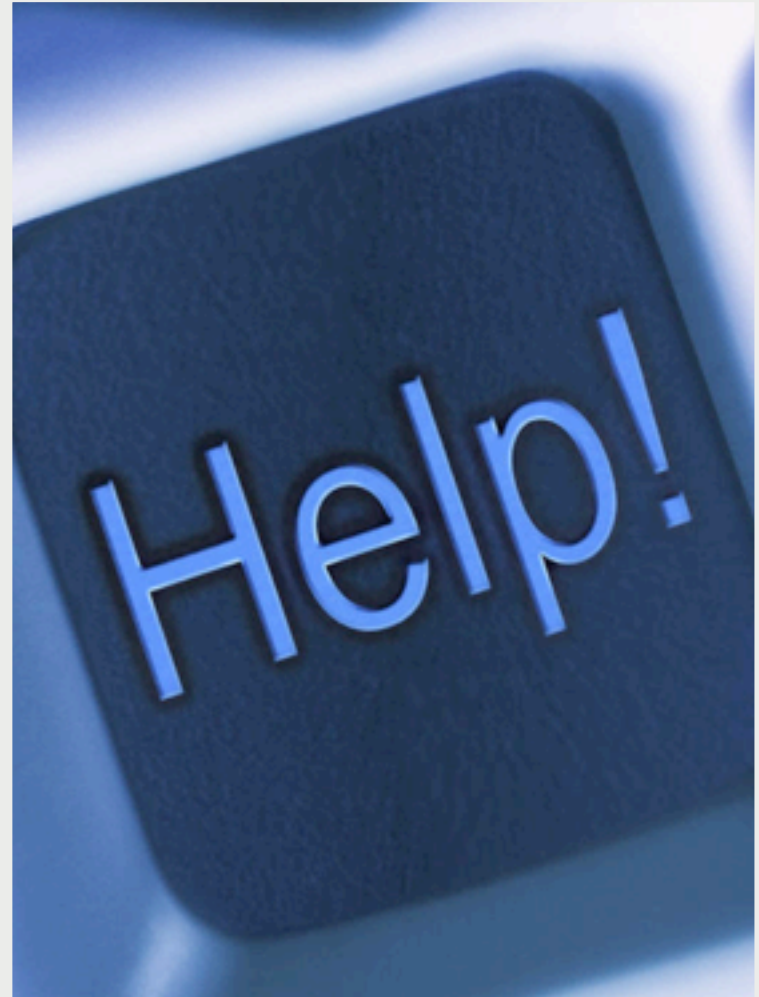
DATA PROTECTION

- Disaster Recovery



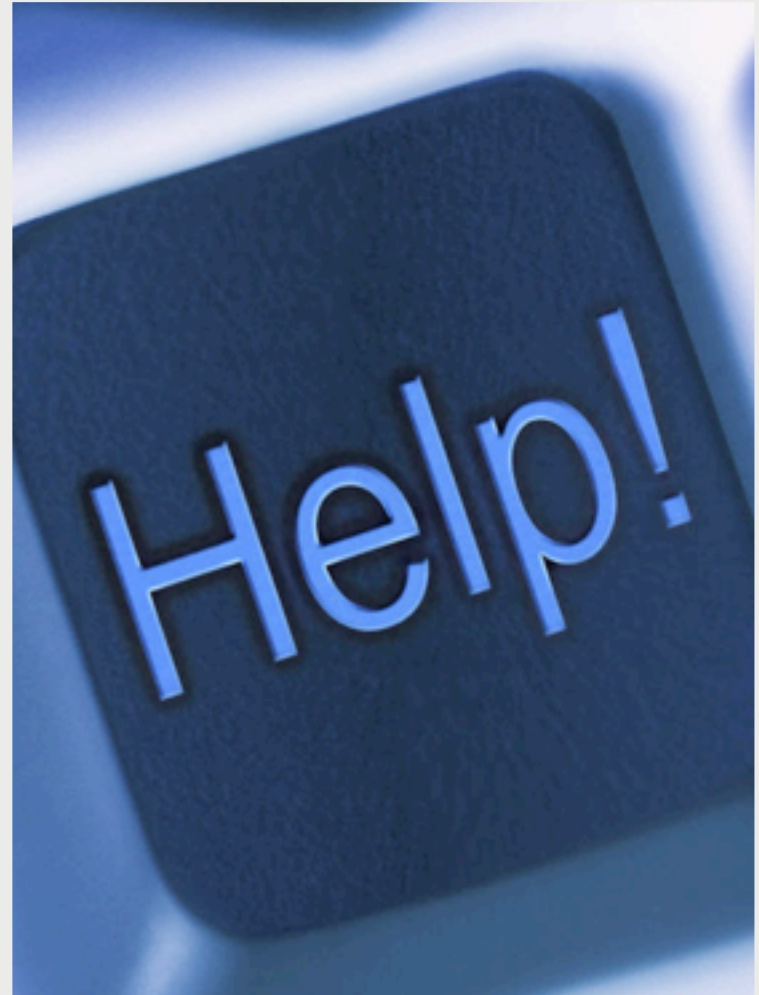
DATA PROTECTION

- Disaster Recovery
 - Off-site



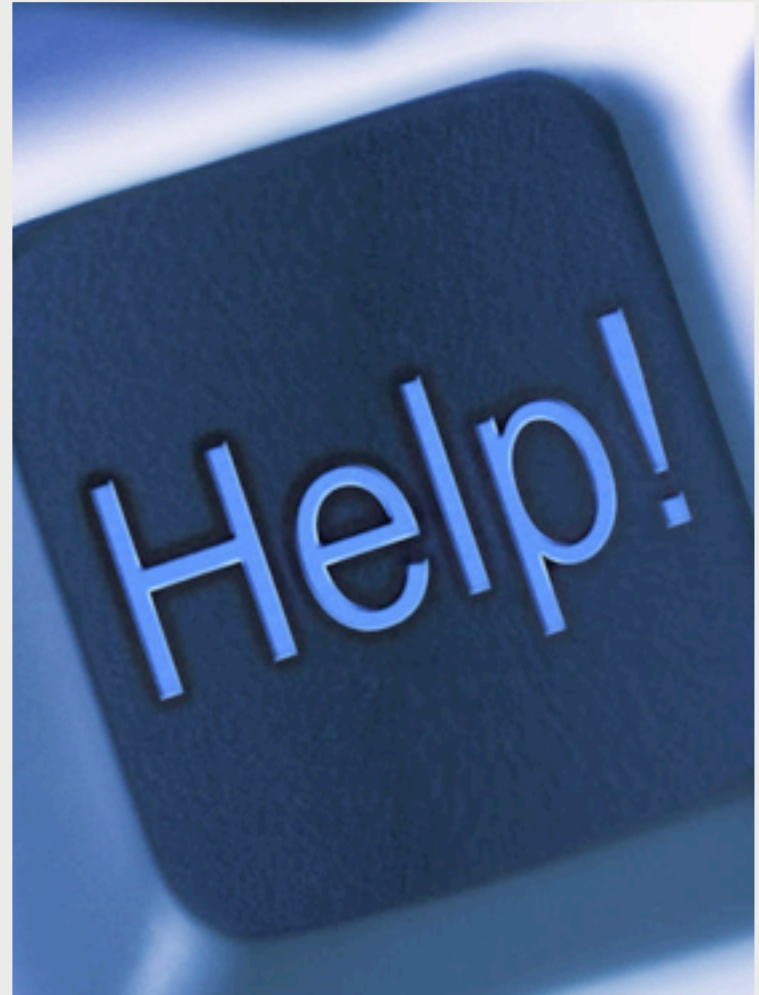
DATA PROTECTION

- Disaster Recovery
 - Off-site
 - Distributed network



DATA PROTECTION

- Disaster Recovery
 - Off-site
 - Distributed network
 - Resiliency and redundancy



DATA PROTECTION



DATA PROTECTION

- Skilled Resources



DATA PROTECTION

- Skilled Resources
 - SaaS resources versus your firm's IT guy



DATA PROTECTION

- Skilled Resources
 - SaaS resources versus your firm's IT guy
 - Vendors like Microsoft, Google, IBM, Yahoo!



DATA PROTECTION



DATA PROTECTION

- Data Security



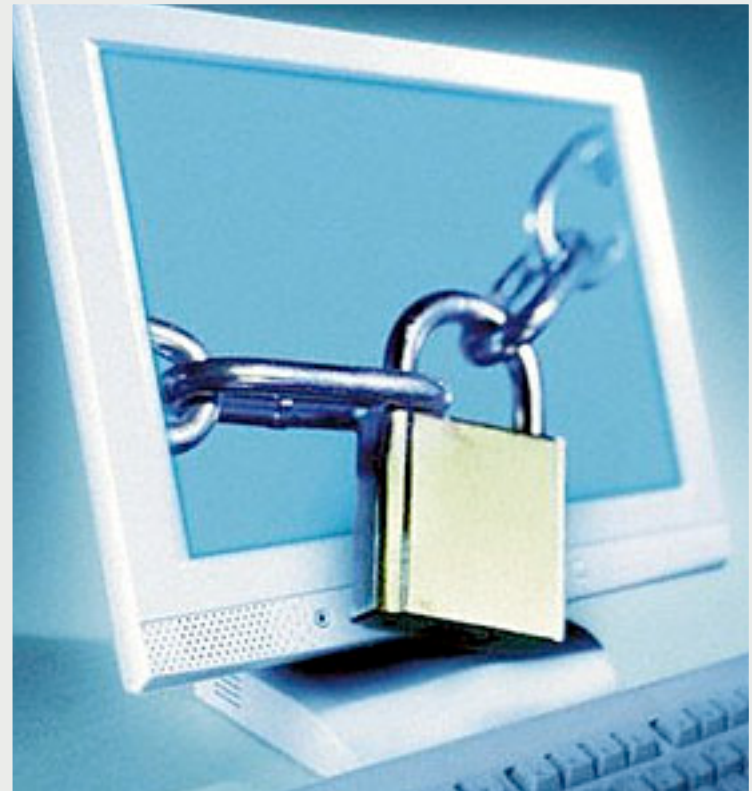
DATA PROTECTION

- Data Security
 - Encryption



DATA PROTECTION

- Data Security
 - Encryption
 - Privacy policies may be strictly enforced





THE BOTTOM LINE...

The Cloud levels the playing field for small firms.

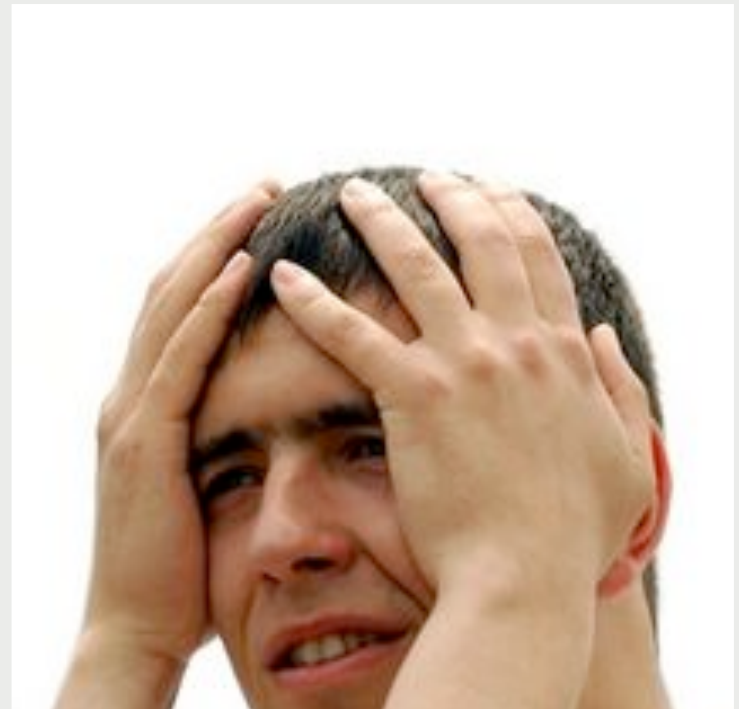
WHAT ARE THE DOWNSIDES TO CLOUD COMPUTING?

DOWNSIDES



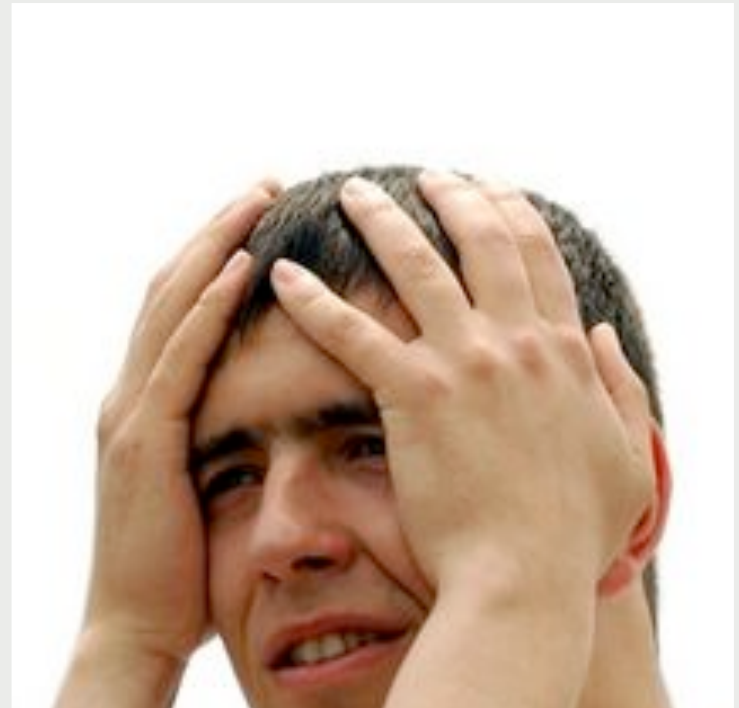
DOWNSIDES

- Limited functionality



DOWNSIDES

- Limited functionality
 - Formatting problems



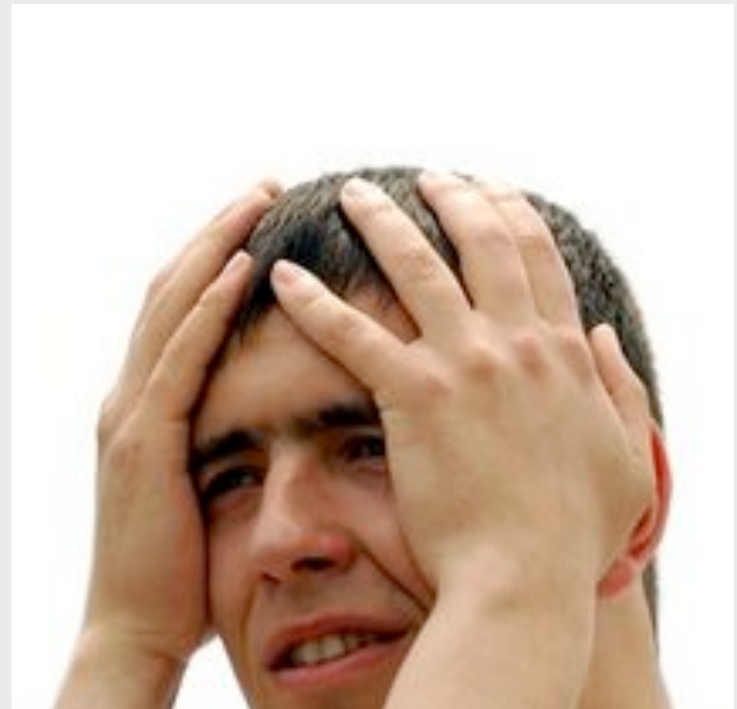
DOWNSIDES

- Limited functionality
 - Formatting problems
 - Inter-application compatibility

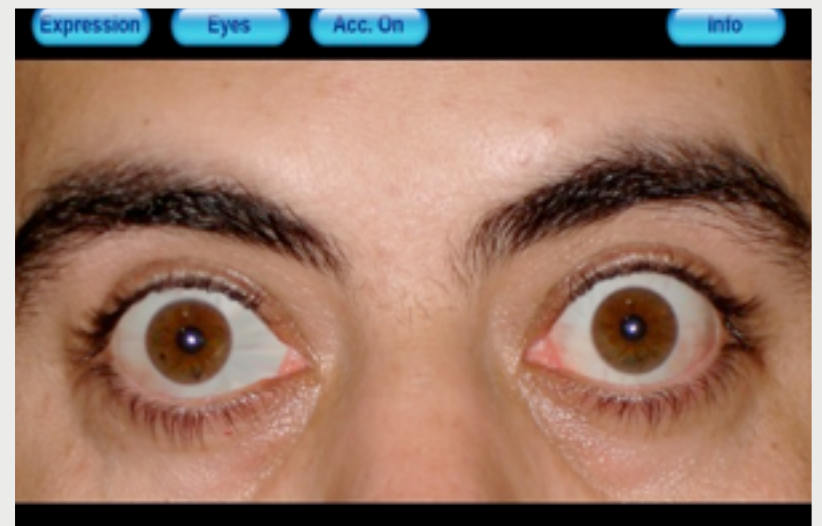


DOWNSIDES

- Limited functionality
 - Formatting problems
 - Inter-application compatibility
 - Accessibility (Wi-Fi or Mobile)

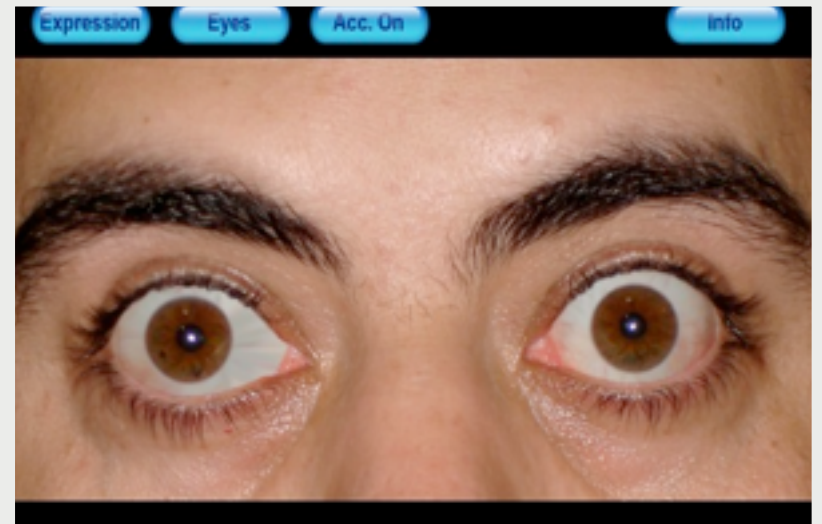


DOWNSIDES



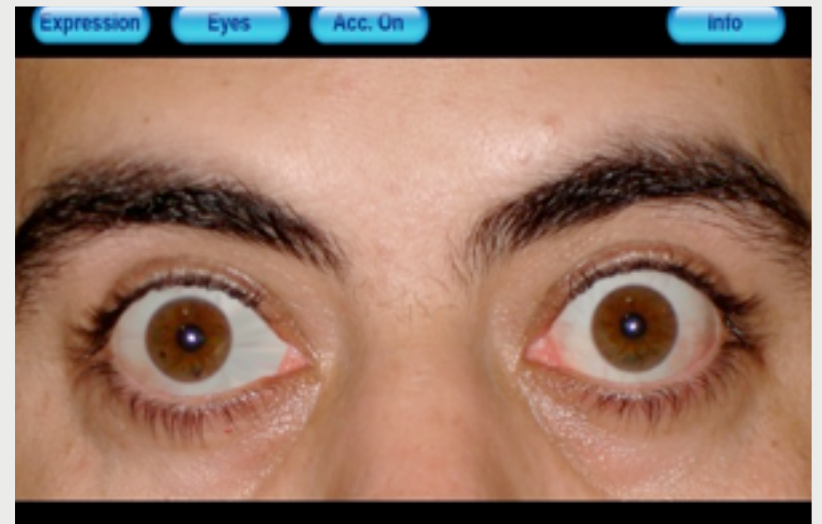
DOWNSIDES

- Prying (spying) eyes



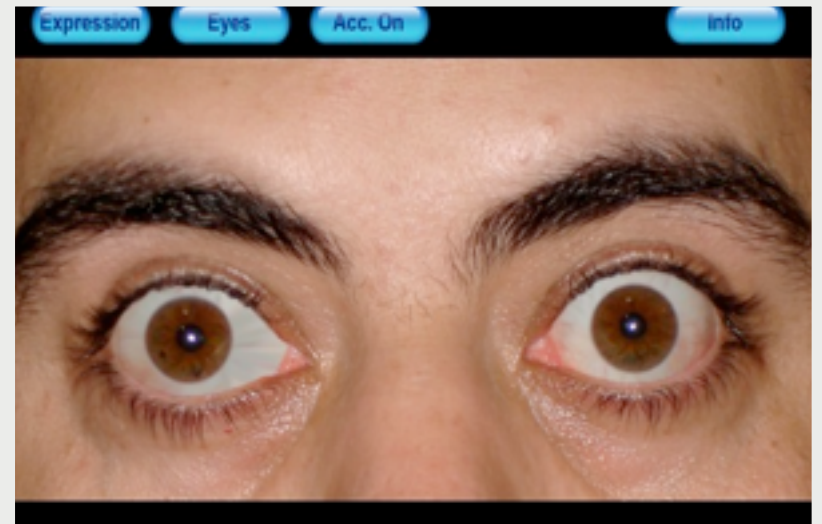
DOWNSIDES

- Prying (spying) eyes
 - Key-loggers



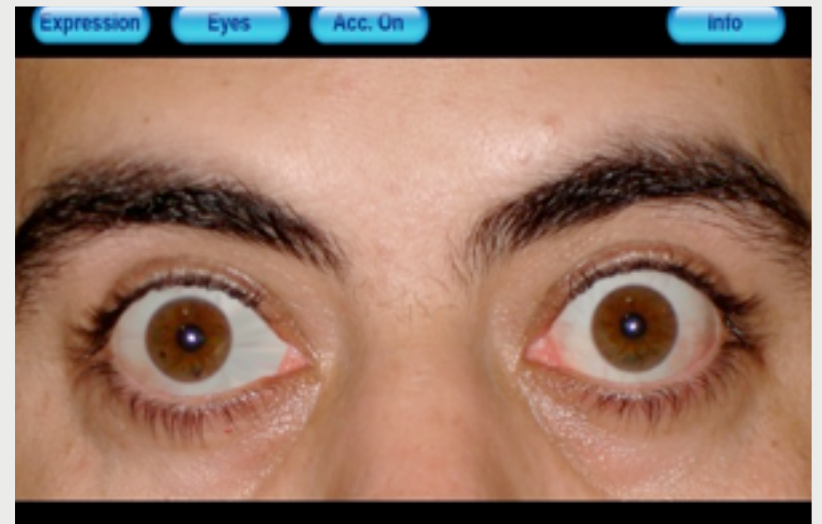
DOWNSIDES

- Prying (spying) eyes
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 - Form grabbers



DOWNSIDES

- Prying (spying) eyes
 - Key-loggers
 - Form grabbers
 - Zombie networks (aka botnets)



DOWNSIDES



DOWNSIDES

- Loss of data dominion



DOWNSIDES

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 - Can you copy (backup) your data?



DOWNSIDES

- Loss of data dominion
 - Can you copy (backup) your data?
 - Who is responsible for data integrity / version control?



DOWNSIDES

- Loss of data dominion
 - Can you copy (backup) your data?
 - Who is responsible for data integrity / version control?
 - Where does the data reside for jurisdiction



REMEDIATION



REMEDIATION

- Pre-format documents offline before uploading



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- Employ defensive software practices



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 - Anti-virus, anti-key logger



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REMEDIATION

- Pre-format documents offline before uploading
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 - Dedicated hardware



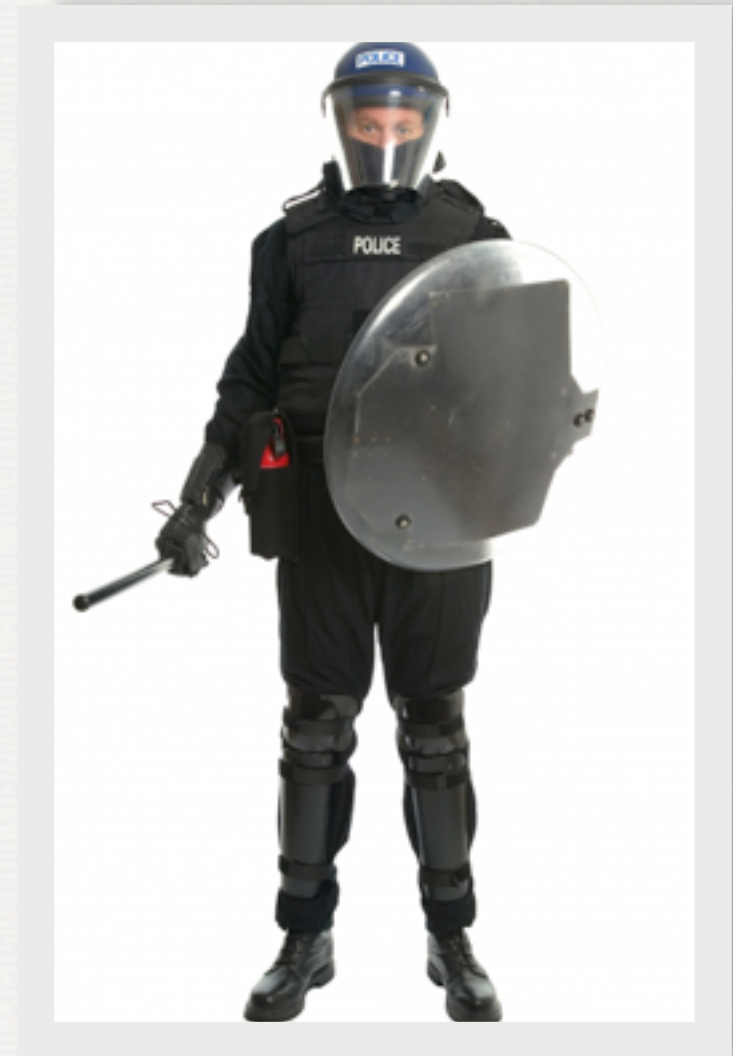
REMEDIATION

- Pre-format documents offline before uploading
- Employ defensive software practices
 - Anti-virus, anti-key logger
 - Use SSL/https
 - Dedicated hardware
 - Encrypt data yourself



REMEDIATION

- Protect your data
 - Download offline backups regularly
 - Understand the import/export capabilities (or restrictions) of the service provider



REMEDIATION



REMEDIATION

- Consider using a private cloud



REMEDIATION

- Consider using a private cloud
- VPN



REMAINING CONCERNS



REMAINING CONCERNS

- Fraudulent access



REMAINING CONCERNS

- Fraudulent access
 - Former employees



REMAINING CONCERNS

- Fraudulent access
 - Former employees
 - Identity theft



REMAINING CONCERNS

- Fraudulent access
 - Former employees
 - Identity theft
- Physical access when account disabled



REMAINING CONCERNS

- Fraudulent access
 - Former employees
 - Identity theft
- Physical access when account disabled
 - Contract/bankruptcy



REMAINING CONCERNS



REMAINING CONCERNS

- Government seizure



REMAINING CONCERNS

- Government seizure
 - Different legal standards



REMAINING CONCERNS

- Government seizure
 - Different legal standards
 - Entire server can be confiscated



REMAINING CONCERNS

- Government seizure
 - Different legal standards
 - Entire server can be confiscated
 - Coup or unrest in hosting country



HOW DOES A “CLOUD-BASED PRACTICE” WORK?

REVIEW OF THE COMPUTER & TECHNOLOGY SECTION APP

QUESTIONS?