

TOP TECHNOLOGY TOOLS TO STREAMLINE YOUR LAW PRACTICE

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AUTHOR | CLOUD COMPUTING FOR LAWYERS (ABA 2012)

1995

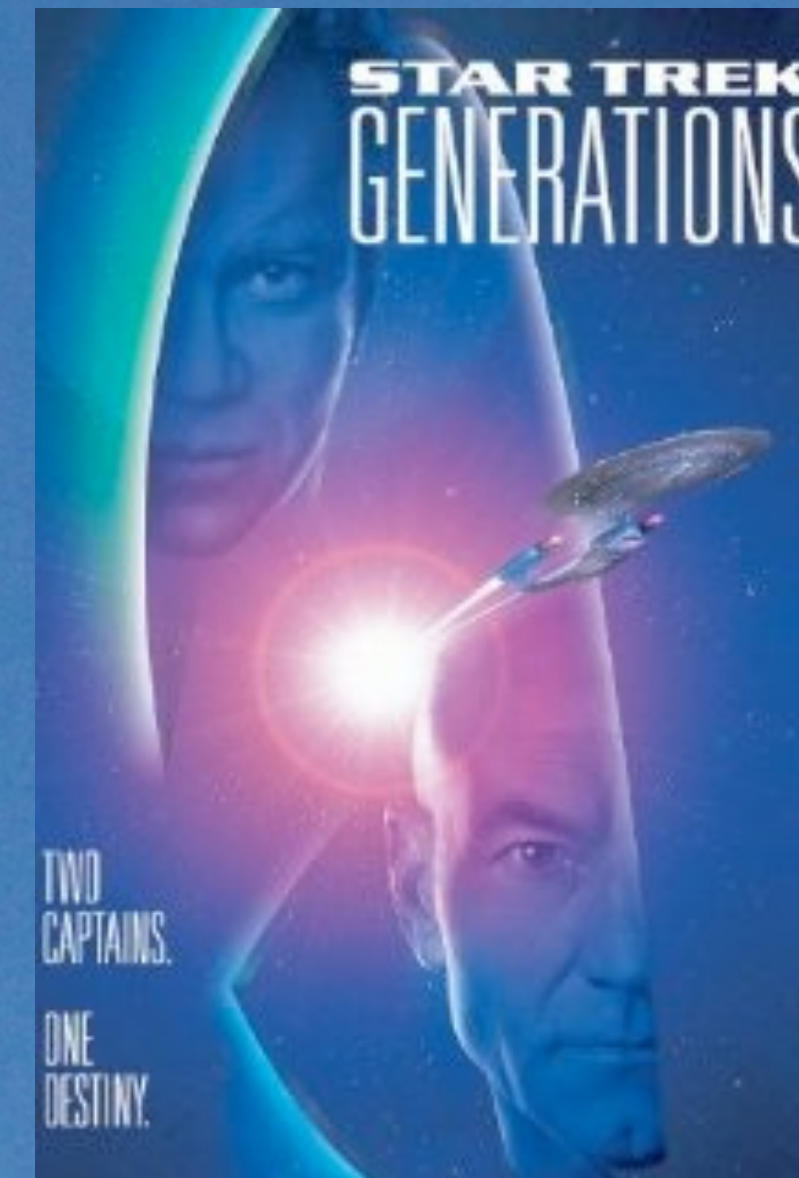
CLIFFORD STOLL

Mocking futurists | The Internet: Bah!

“(VISIONARIES SAY) COMMERCE AND BUSINESS WILL SHIFT FROM OFFICES AND MALLS TO NETWORKS AND MODEMS - BALONEY... (THEY) PREDICT THAT WE'LL SOON BUY BOOKS AND NEWSPAPERS STRAIGHT OVER THE INTERNET. UH, SURE... DO OUR COMPUTER PUNDITS LACK ALL COMMON SENSE? THE TRUTH IS NO ONLINE DATABASE WILL REPLACE YOUR DAILY NEWSPAPER.”

ME

Total Geek



TECHNOLOGY TIMELINE



HOW DID WE GET HERE?



Confluence of events

1. Improved processing power
2. Cloud computing
3. Mobile computing

“MOBILE DEVICES ARE CONSTRAINED BY THEIR MEMORY, PROCESSING POWER, AND BATTERY LIFE. BUT COMBINED WITH CLOUD COMPUTING, DATA PROCESSING AND STORAGE CAN HAPPEN OUTSIDE OF MOBILE DEVICES.”

*IEEE Computer Society 2014 Tech Trends Report

LAWYERS IN THE CLOUD

16%

2011

a new technology

21%

2012

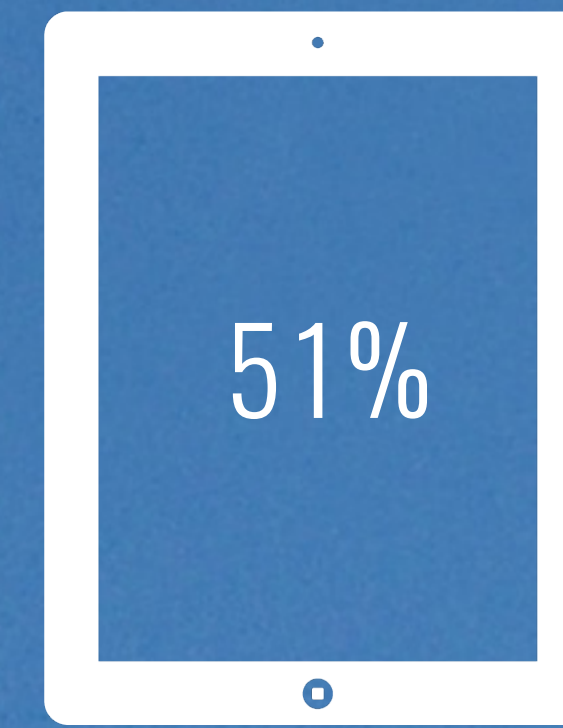
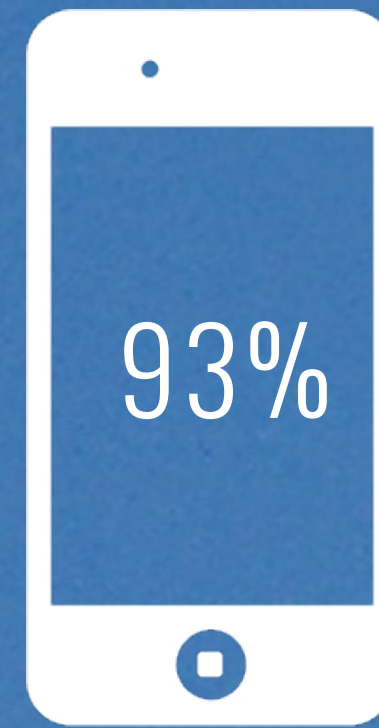
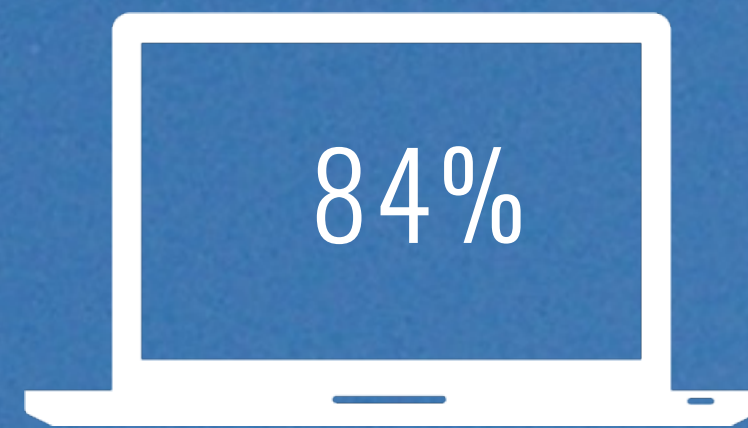
less scary

31%

2013

the tipping point

LAWYERS GOING MOBILE



* 2016 ABA LEGAL TECHNOLOGY SURVEYS

<p>NORTH CAROLINA 2011 Formal Ethics Opinion 6</p>	<p>Yes</p>	<p>Reasonable Care</p>	<ul style="list-style-type: none"> Review terms and policies, and if necessary re-negotiate, to ensure they're consistent with ethical obligations. Evaluate vendor's security measures and backup strategy. Ensure data can be retrieved if vendor shuts down or lawyer wishes to cancel service.
<p>OREGON Opinion 2011-188</p>	<p>Yes</p>	<p>Reasonable Care</p>	<ul style="list-style-type: none"> Ensure service agreement requires vendor to preserve confidentiality and security. Require notice in the event that lawyer's data is accessed by a non-authorized party. Ensure adequate backup. Re-evaluate precautionary steps periodically in light of advances in technology.
<p>PENNSYLVANIA Opinion 2011-200</p>	<p>Yes</p>	<p>Reasonable Care</p>	<ul style="list-style-type: none"> Exercise reasonable care to ensure materials stored in the cloud remain confidential. Employ reasonable safeguards to protect data from breach, data loss, and other risk. See full opinion for 15 point list of possible safeguards.
<p>VERMONT Opinion 2010-6</p>	<p>Yes</p>	<p>Reasonable Care</p>	<ul style="list-style-type: none"> Take reasonable precautions to ensure client data is secure and accessible. Consider whether certain types of data (e.g. wills) must be retained in original paper format. Discuss appropriateness of cloud storage

* Source: <http://tinyurl.com/abaCloud>



Security issues to consider:

1. Encryption
2. Geo-redundancy
3. Data back ups
4. Extraction of data
5. Transborder data flow
6. Financial security

For full list of questions see:
<http://bit.ly/hyFBxo>

Billing time

BILLING ON THE GO

LEGAL APPS /
WEB-BASED

STAND ALONE OR LPM INTEGRATION



Time59, Bill4Time, or LPM
apps

LEGAL APPS /
SERVER-BASED

SERVER-BASED BILLING INTEGRATION



iTimekeep

NON-LEGAL APPS

STAND ALONE

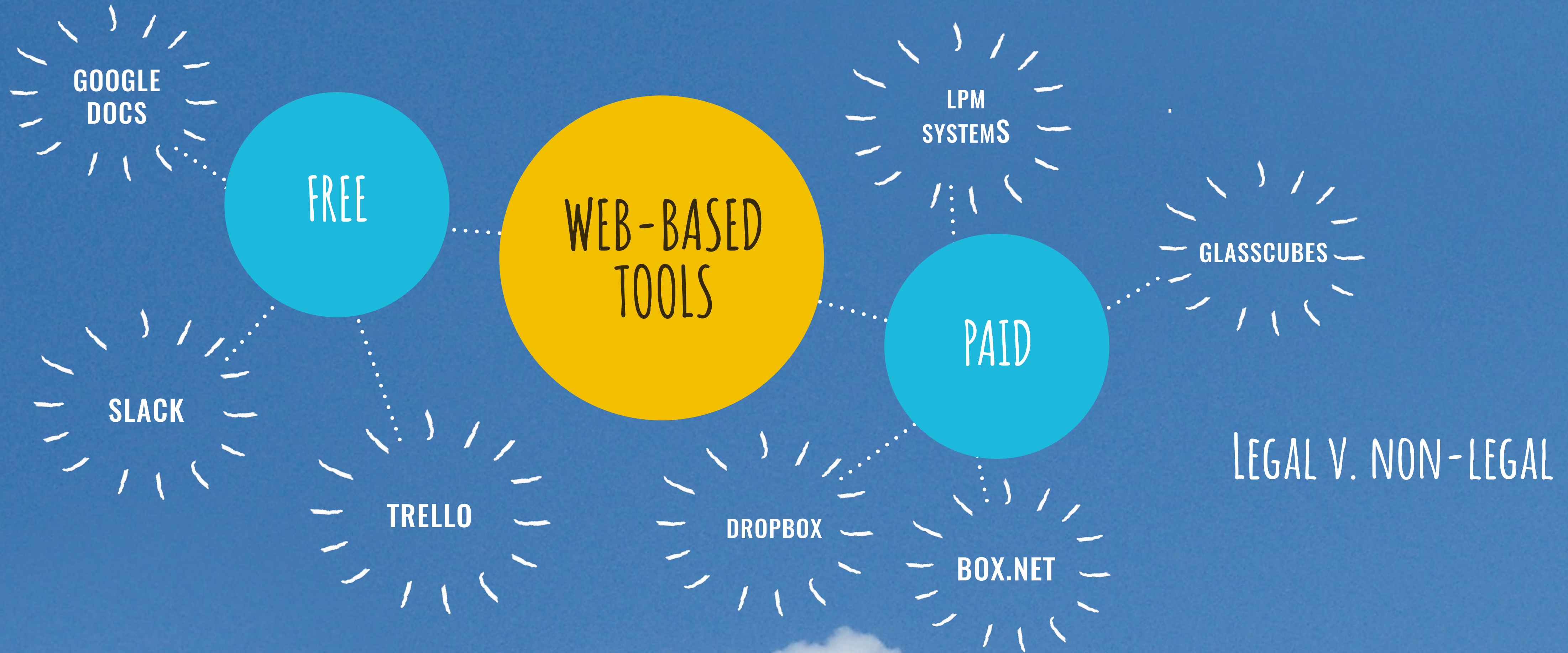


Timewerks Pro

TECH TOOL: 2

Collaboration Tools

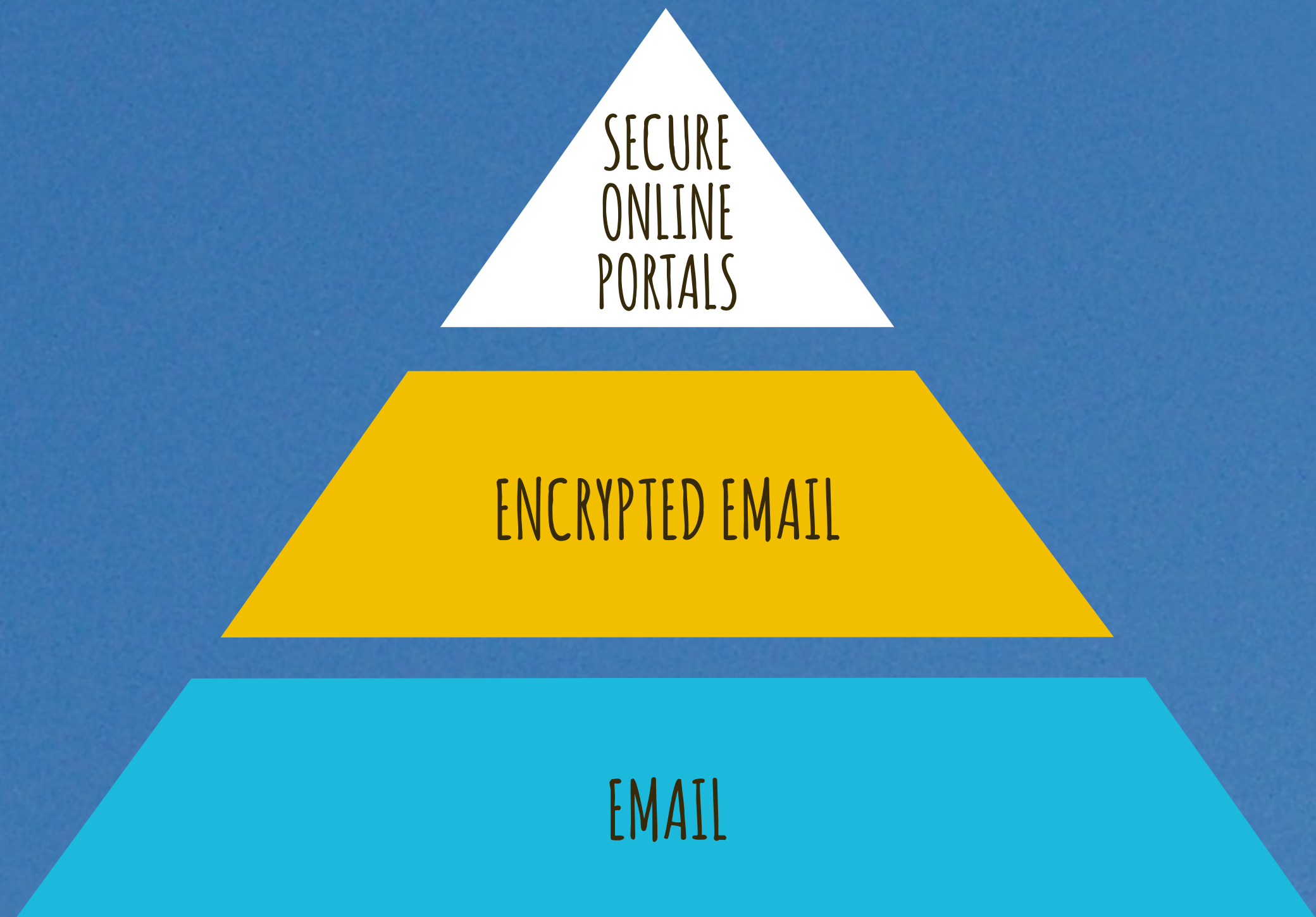
COLLABORATION TOOLS



TECH TOOL: }

Secure communication

SECURE COMMUNICATION



MOST SECURE
encrypted, protected, confined to platform

MORE SECURE
forwarded emails lose encryption

UNSECURE
like a postcard written in pencil

TECH TOOL: 4

Document storage

DOCUMENT STORAGE

LPM PLATFORMS

.....
ENCRYPTED BY COMPANY

designed for lawyers

DROPBOX & BOX

.....
ENCRYPTED BY COMPANY

non-legal

SPIDER OAK &
BOXCRYPTOR

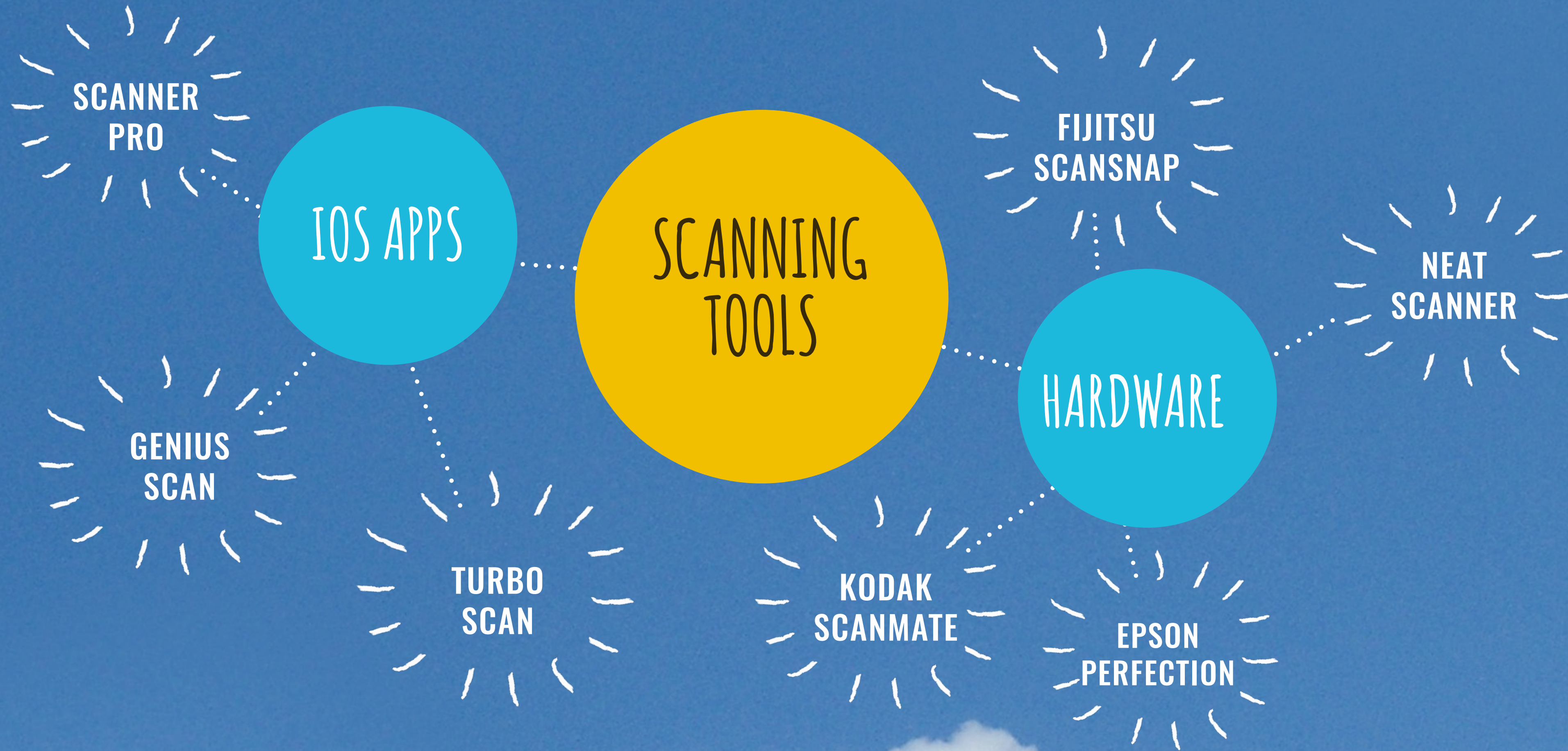
.....
ENCRYPTED BY USER

non-legal & storage only

TECH TOOL: 5

Document scanning

SCANNING TOOLS



TECH TOOL: 6

PDF annotation

PDF VIEWING AND ANNOTATION

IOS APPS

PDF EXPERT

.....
See also: Goodreader,
iAnnotate, ReaddleDocs

WEB-BASED SOFTWARE

GROUP DOCS

.....
See also: PDFescape,
PDFOnlineReader

DESKTOP SOFTWARE

ADOBE ACROBAT

.....
See also: Foxit, Okular

TECH TOOL: 7

Legal research

LEGAL RESEARCH

GOOGLE
SCHOLAR &
FASTCASE APP

FREE

but less flexibility

CASEMAKER,
FASTCASE,
VERSUSLAW

FREE

with bar participation

CASEMAKER,
FASTCASE,
VERSUSLAW

LOWER PRICE

prices and coverage vary

WESTLAW &
LEXIS

MOST EXPENSIVE

plans vary

TECH TOOL: 

Video conferencing

VIDEO CONFERENCING

NON-LEGAL - FREE

GOOGLE HANGOUTS, ZOOM

NON-LEGAL

WEBEX, GOTOMEETING,
SKYPE, SIGNAL, WHATSAPP

LEGAL

LEGALER

[HTTPS://WWW.ABAJOURNAL.COM/WEB/ARTICLE/TOP-VIDEO-
CONFERENCING-TOOLS-FOR-LAWYERS](https://www.abajournal.com/web/article/top-video-conferencing-tools-for-lawyers)

TECH TOOL: 9

Emerging technology

EMERGING TECHNOLOGY



Smartwatches

JPMorgan Software Does in Seconds What Took Lawyers 360,000 Hours

by **Hugh Son**

February 27, 2017, 7:31 PM EST *Updated on* February 28, 2017, 7:24 AM EST

- New software does in seconds what took staff 360,000 hours
- Bank seeking to streamline systems, avoid redundancies

AI aka “Robot Lawyers”

"THE TRUTH IS USUALLY JUST AN EXCUSE FOR A LACK OF
IMAGINATION."

-GARAK, STAR TREK: DEEP SPACE NINE

THANKS FOR LISTENING!

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