Forgotten But Not Gone

Identifying the Need for Longitudinal Data Management in Cloud Storage

Mohammad Taha Khan, **Maria Hyun, Chris Kanich & Blase Ur**

Cloud Storage

2007

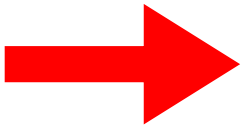
Dropbox

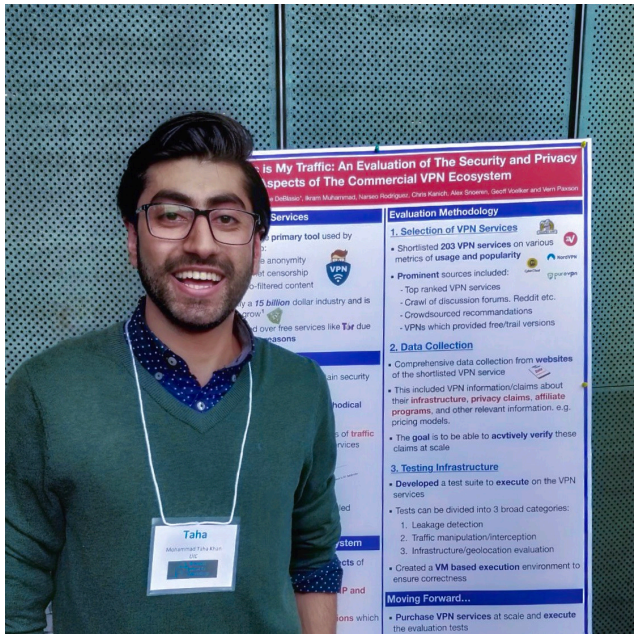
Cloud Storage

2007

2018

Dropbox





Cloud Breaches Are Real

Hi Mohammad Taha,

We're reaching out to let you know that if you haven't updated your Dropbox password since mid-2012, you'll be prompted to update it the next time you sign in. This is purely a preventative measure, and we're sorry for the inconvenience.

To learn more about why we're taking this precaution, please visit this page on our Help Center. If you have any questions, feel free to contact us at password-reset-help@dropbox.com.

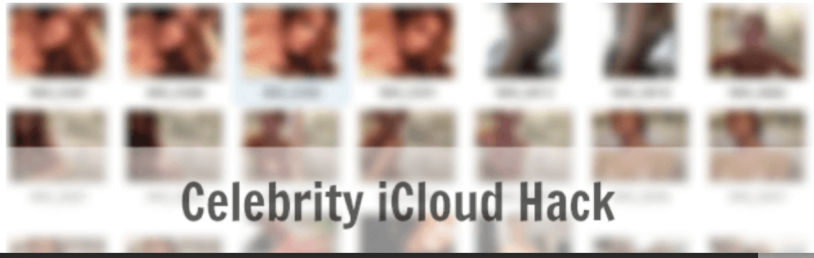
Thanks,
The Dropbox Team

Cloud Breaches Are Real

Email Phishing scam does the trick for the Hacker.

Email phishing is a very old technique used by hackers to get the log in credentials of the victim. On September 23rd 2016 a man hacked into iCloud and Gmail accounts of 30 celebrities in Loss Angeles. As per the report the hacker conducted the email phishing scam trough his computer from Chicago.

Mr. Edward Majerczyk the man behind the email phishing scam has pleaded guilty to computer fraud in federal court on 28th of September 2016. He had been charged and found guilt on violating the Computer Fraud and Abuse Act and faces a maximum of five years in prison.



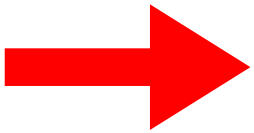
th Fappening Hacker Admits to Stealing Celebrity Pics
iCloud Accounts

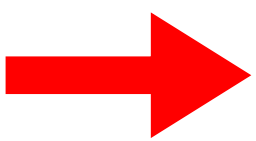
ay, January 13, 2018 Swati Khandelwal

649 Share Tweet Share

Identify whether there is a need for longitudinal data management in cloud storage services

Study Overview





API-based File Access

100 Participants

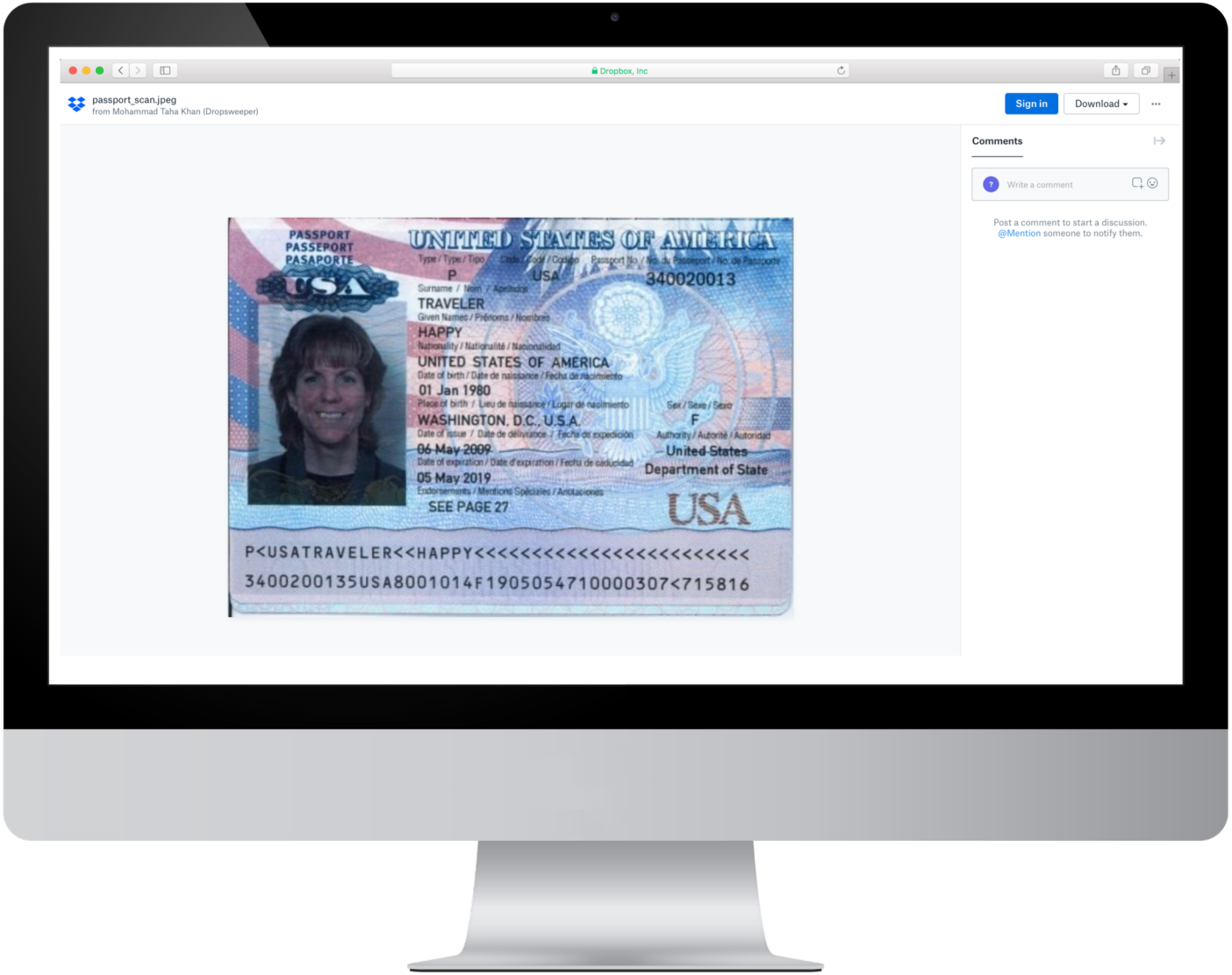
Survey-based Study

Cloud Storage Study

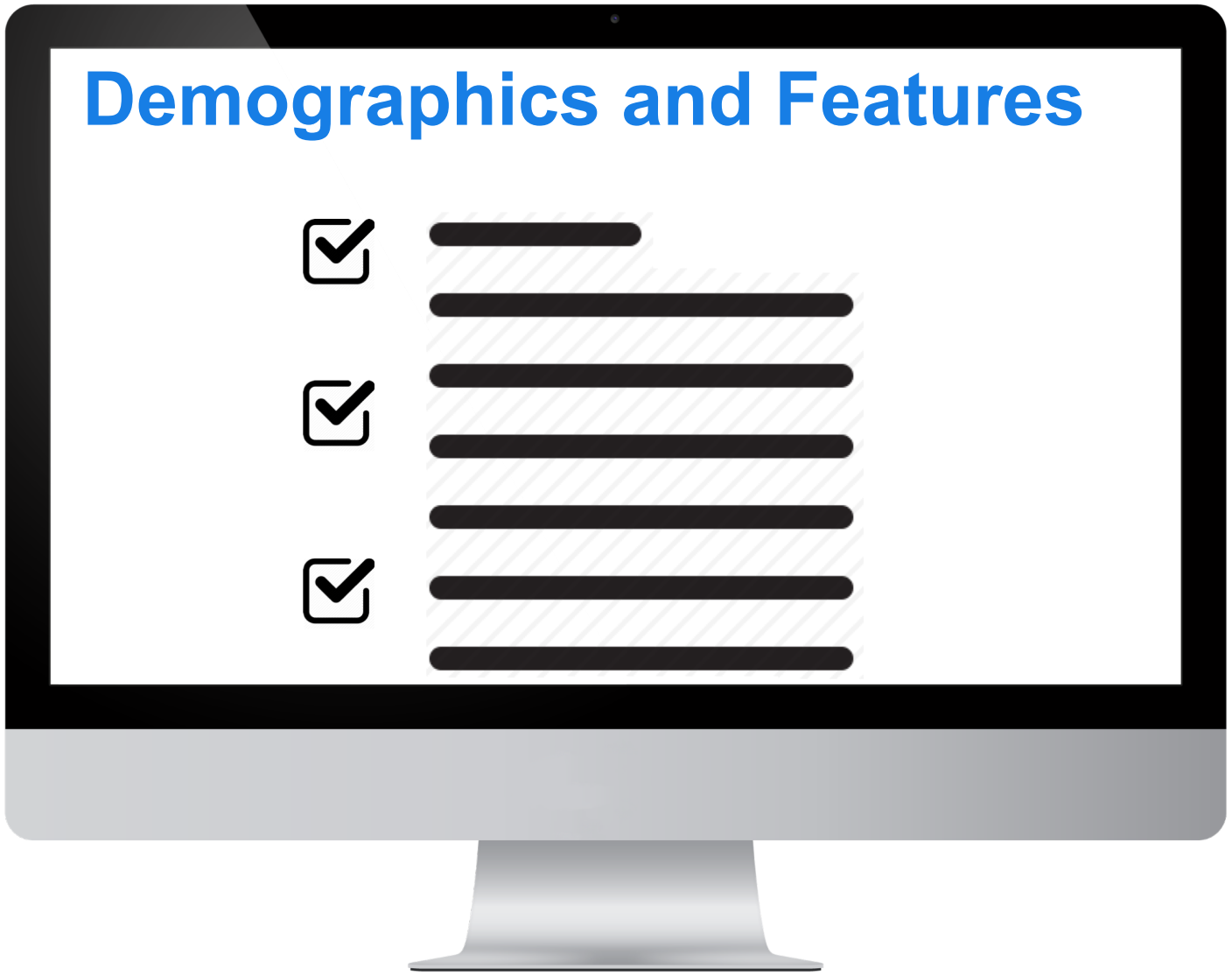
OR

Generic Survey

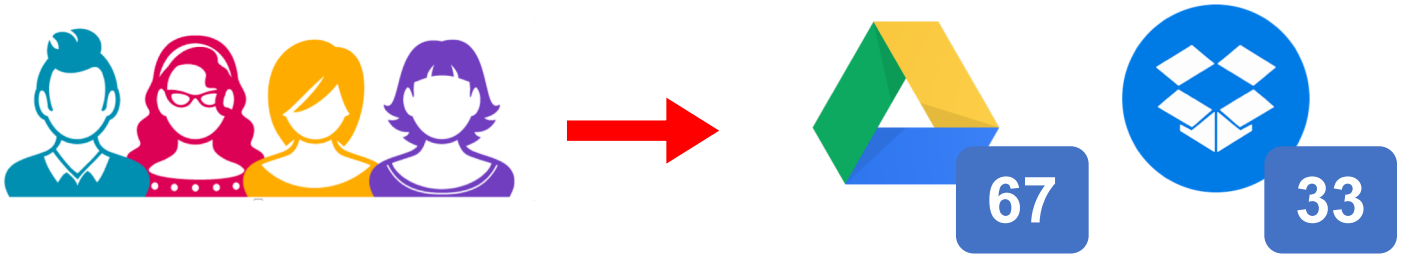
File Specific Survey
File 1/10
File Name: Passport_scan.jpg
Location within Dropbox: /ScannerApp/MobileUploads/
You MUST view the file in Dropbox before proceeding.
View file in Dropbox


Dropbox, Inc
passport_scan.jpeg
from Mohammad Taha Khan (Dropsweeper)
Sign in
Download
Comments
Write a comment
Post a comment to start a discussion.
@Mention someone to notify them.
PASSPORT
PASSEPORT
PASAPORTE
USA
UNITED STATES OF AMERICA
P
USA
340020013
TRAVELER
HAPPY
UNITED STATES OF AMERICA
01 Jan 1980
WASHINGTON, D.C., U.S.A.
F
06 May 2009
United States
Department of State
05 May 2019
SEE PAGE 27
USA
P<USATRAVELER<<HAPPY<<<<<<<<<<<<<<<<<<<<<<<<
3400200135USA8001014F1905054710000307<715816

Demographics and Features



Survey Participants



88% of accounts > 3 years old

80% used for both professional and personal

Media and documents were most common

Shown Files Were Recognized

Asked if files were recognized

Less likely to recognize files from others

Documents and images were most recognizable

Some Files Will Never be Accessed

Never Access In Future:

23%

30%

Desired Management Decisions

Keep As Is

59%

Delete

34%

Encrypt

7%

Desired Management Decisions

Keep As Is

59%

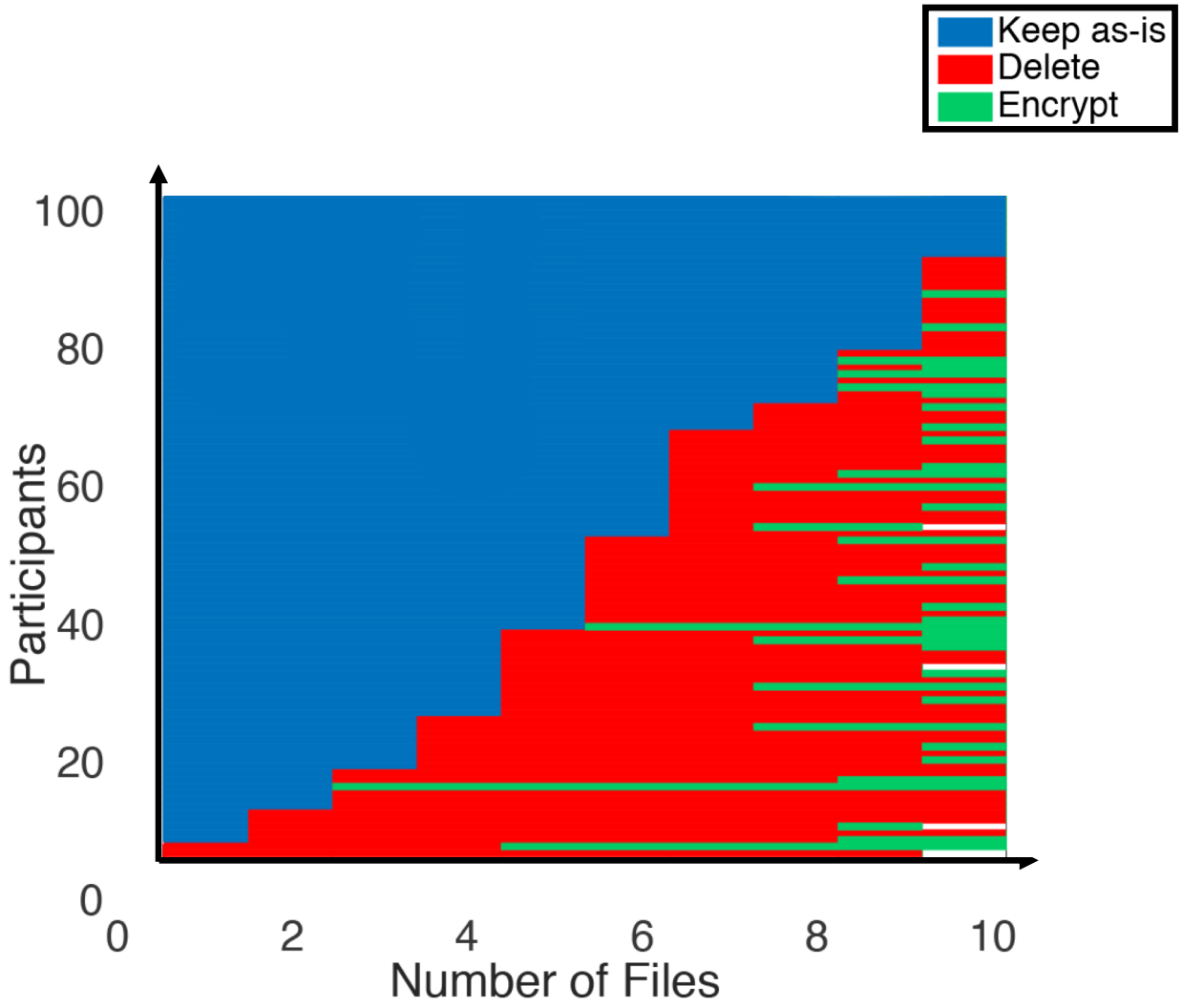
Delete

34%

Encrypt

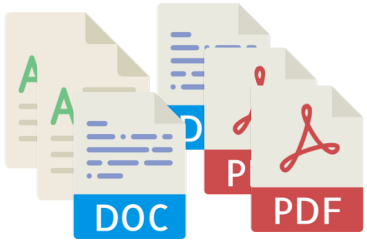
7%

Management Decisions Varied



Generalizing Decisions

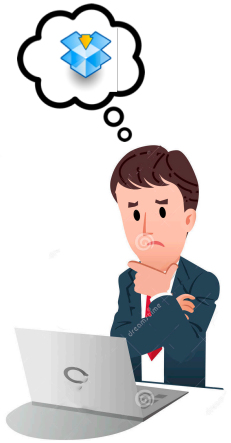
Generalized decision to similar files



Keep media files as is

Delete other “not useful” files

Not All Files Were Remembered



Not remembered:

34%

39%

File Sharing

Keep Sharing

34%

Stop Sharing

11%

Key Findings

Many files in the cloud forgotten

Disconnect between desire and ability

Tools must handle large archives

Tools must handle long-lived archives

Conclusion

Longitudinal file management is necessary

Need for scalable retrospective management tools

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