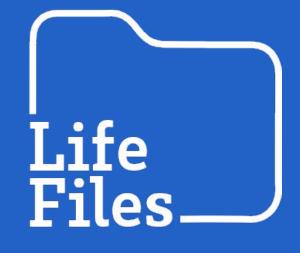




Digital identity document storage



Compendium of knowledge in 100+ slides - choose your adventure

- What we're solving for
- 2 Background
- 3 Overview of the Platform
- 4 Security & Accessibility

(and where blockchain fits into the platform design)

- 5 <u>Privacy & Administration</u>
- 6 Roadmap: MVP Alpha Beta Launch
- Resources & Links

1

What we're solving for

Hidden Needs

50%

of HOST (Homelessness Outreach Street Team) clients who are seeking access to 13 vital services lack an ID.

75 - 80%

of clients from The Other Ones Foundation lack one or more key documents for services

Hidden Costs

\$20,000

spent annually by the Downtown Austin Community Court and Trinity Center on document replacement (2017)

1200 hours

amount of staff time The Other Ones Foundation spent in a year helping clients procure documents

A sense of agency

Neighbors experiencing homelessness told us it would give them more agency and control and less worry.

They told us that this small act of a digital ID can save lives.



"Your phone is your life out here.

Paper documents are hard to keep up with and expensive and time consuming to replace. Having the ability to have documents [digitally] notarized here too is an awesome [feature]."

~Person experiencing homelessness

"It's a secure place to keep my documents without the fear of them **being stolen** or **[my] identity taken**."

~Person experiencing homelessness

"Easy access, don't have to worry about losing, potential employers could see it, [can overcome] limit on social security cards/documents"

~Person experiencing homelessness

In their **own** words, during user testing



Possible future use cases

Mutual Aid groups can help get community members organized and prepared to apply for federal, state, and local assistance.

For applicants benefiting from multiple programs and referrals, instead of having their documents in shared drives inside organizations, applicants can share digitally notarized documents with anyone.

Outreach workers have expressed interest in learning more about LifeFiles and how they could use it within their organizations.



Sunrise Homeless Navigation Center

"We are the only full-service navigation center that stayed open during the pandemic. We see first hand the trap that lost/stolen/destroyed documents pose to people without homes as they expend tremendous time and energy trying to reacquire documents over and over again.

Without these documents they cannot get jobs, apply for housing, cash checks, open bank accounts etc. They cannot get on their feet. LifeFiles would allow us to help motivated clients out of this endless cycle, particularly at a time when the camping ban and imminent sweeps will result in their property being lost, stolen or destroyed." - Sarah Weier, Assistant Director

Foundation Communities

"It would be immensely beneficial for clients that come to us for one service but also need others. Some clients cancel appointments because they can't find their documentation. Having access through a shared resource amongst partner organizations would be immensely beneficial. It would require less documentation being brought to an appointment if they have access to it." - Connor Tantu, Program Coordinator

Integral Care

"Historically the population I serve has missed out on many opportunities to change their life due to not having the right identity documents accessible. *LifeFiles will make it possible for individuals to not miss out on these opportunities* by having a safe and secure place to store these documents. - David Gomez, Program Manager for Homeless Services

Austin service providers



Homelessness Network

"LifeFiles would be solving a problem that we have been trying to solve for a long time." - Eric Samuels, President and CEO

Austin Public Health

"Document and identity management are immense hurdles for people experiencing unsheltered homelessness. It is easy to take for granted the ease with which most of us access the marketplace and essential services, because we are accustomed to holding the keys that unlock the doors to basic healthcare, food, housing, and employment. LifeFiles solves for numerous barriers to systems entry by *making identity management and document storage*

resilient, secure, and intuitive for the end user."

- Charles Loosen, Homeless Strategy Division

Downtown Austin Community Court

"Replacing an ID or driver license can be

very difficult if the information on the ID is unknown, specifically the ID/DL number. In addition, the Social Security Administration only allows an

individual to possess ten social security cards in a lifetime. If this amount is exceeded then a letter from a government agency, specifying the need for a replacement card, is needed. This means only certain providers can request this exception. LifeFiles would save time and resources."

- Jennifer Sowinski, Clinical Operations Manager

Housing Authority of the City of Austin

"I definitely think that LifeFiles would be a value-add to the community for all the programs that applicants have to apply for." - Pilar Sanchez, VP of Austin Pathways 2

Background

How long we've been at it....



Robert Wood Johnson Foundation



Life Files

The grant-funded team completes the minimum viable product, and rebrands it as LifeFiles to avoid a trademark conflict



Bloomberg's i-Team, finds a major barrier in helping people experiencing homelessness: safekeeping their private documents.



Through Bloomberg's Mayor Challenge, City of Austin Innovation office dives further into the foundation of MyPass, weighing both its potential and its feasibility. Robert Wood Johnson's
Foundation gives MyPass
wings to acquire the team
and resources needed to
start the design and
development of MyPass'
Minimum Viable Product.

2019

2021

2018

2017

Collaborators Along the way



ID2020





















Overview of the Platform

Key features of the platform



5 Design Principles



Self-Determinant

In the face of a system that perceives you through data you don't control, LifeFiles gives you full control over the documents that represent you (to facilitate access to services you may need).



Secure

LifeFiles keeps your digital documents safe using the most advanced security features available.



Accessible

Whether you love, hate, struggle with, or don't understand technology, LifeFiles was built with your preferences and abilities in mind.



Private

You alone retain the ability to share, revoke, or delete access of your identity documents.



Extensible

LifeFiles technology was built to adapt with changing times, contexts, and a variety of use cases.

Two types of users...

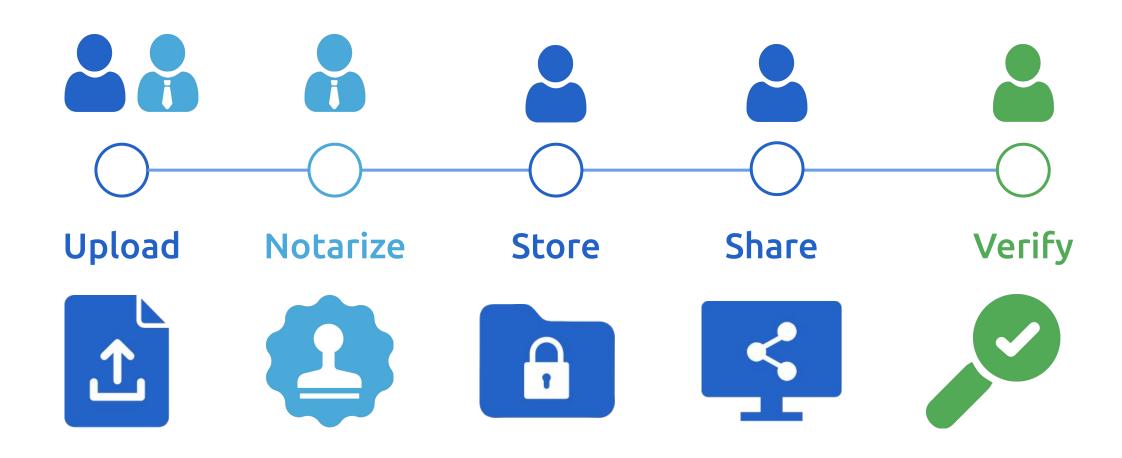


Helper users are case workers, family members or a notaries with clients that require assistance in notarizing and/or uploading their documents.



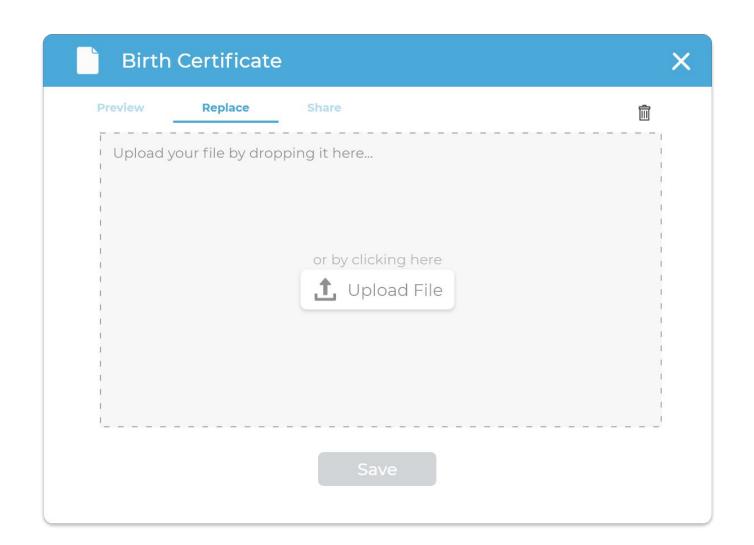
Owners are the proprietors of the documents. The have full autonomy how their digital files are stored, and who they are shared with, if they are shared at all.

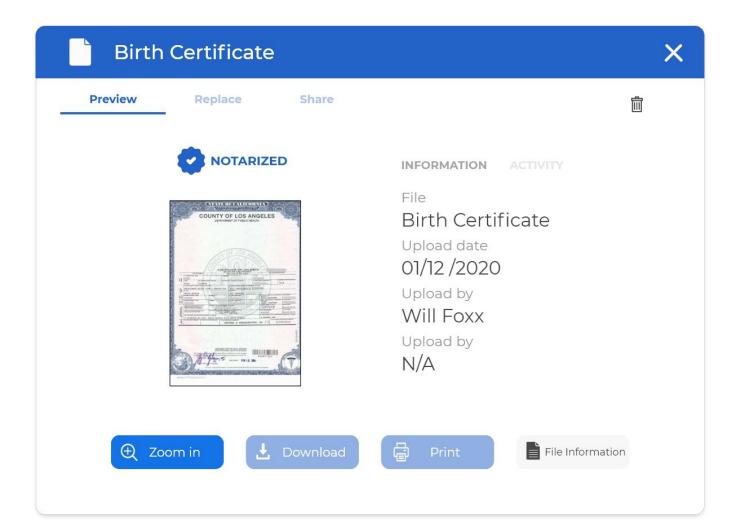
Document Journey



Upload

Document Owners (or Helpers) can upload scans or photos of any important document that they don't want to lose.



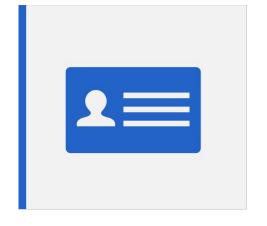


Store

Once uploaded documents are encrypted and stored with enterprise-level security. Providing the maximum privacy and and control to the owners of the documents

Securely Encrypted

Original File





Output

6C7D 2CDB FE3D 79A9 EE82 90B1 FB99 BB41 F97C DB2C 0488 91DC EC82 4F8C 2184 1337 825D FFE4 77C6 662B BB8D 8A6C 72EA D091



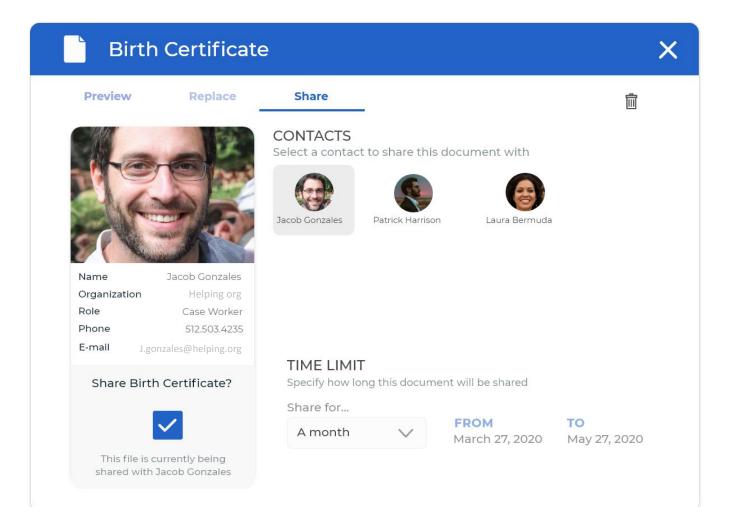
Database



Notarize

Although it's not necessary, LifeFiles provides the tools for a notary public to make a certified copy of any uploaded document, which can aid in verifying the document later.





Share

Whether it's a family member or a case manager, we often rely on others to help us fill out applications. LifeFiles allows for documents to be shared with helpers in order to help navigate services.

Verify

In order to accept copies of document officials want proof that the copy is authentic. Any document notarized through mypass can be verified as authentic, and legally executable

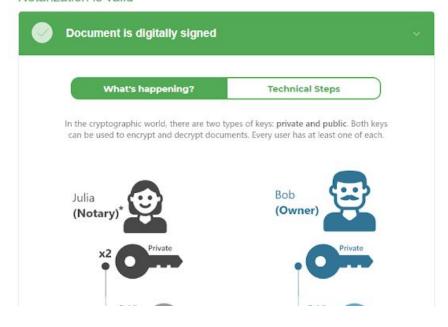
https://verificationsite.webflow.io/verify



Passport.pdf

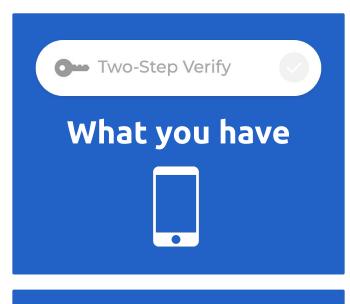


Notarization is valid



Login Methods

Everybody is different.
There's no ultimate solution for accessibility.
What works for one person may be a nightmare for their neighbor. This is why we're developing a system that allows for multiple ways to login.





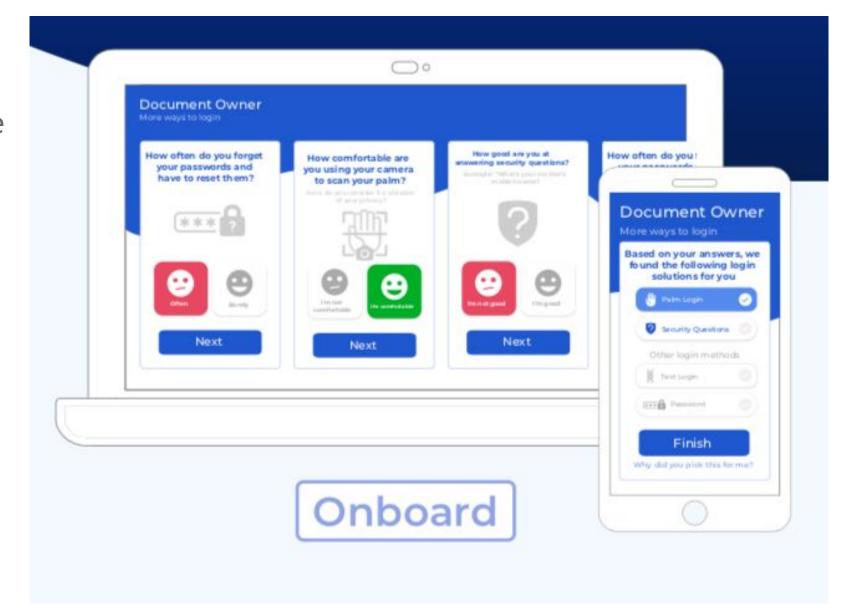




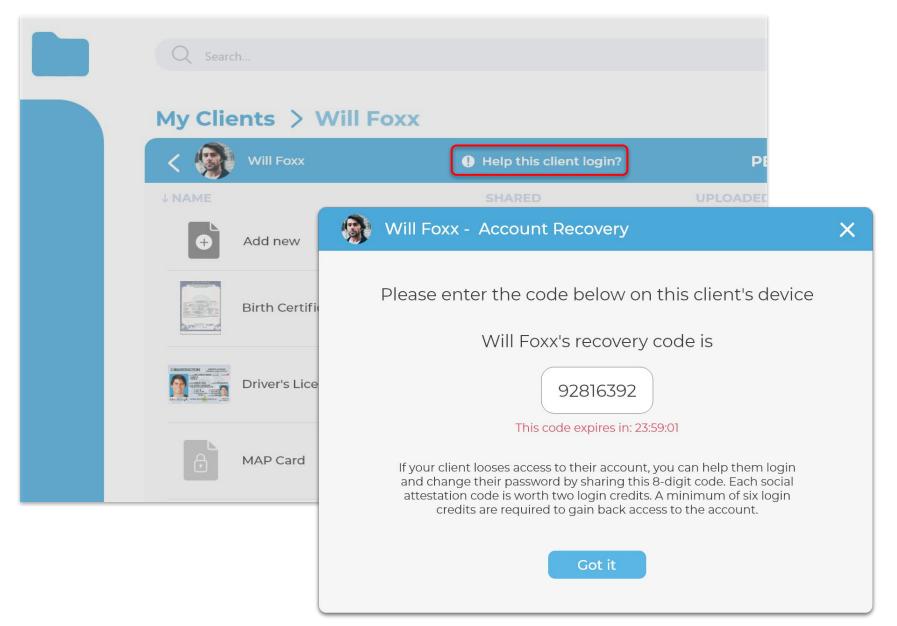
Security vs Accessibility

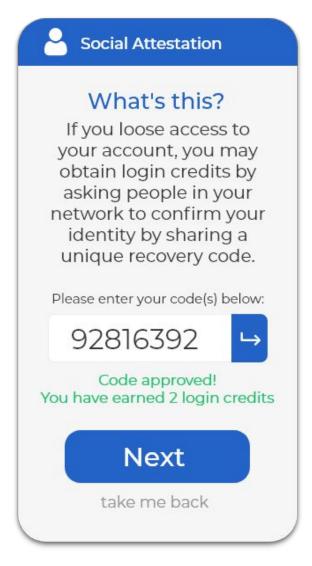
options for a secure and accessible log-on method based upon a short quiz on how they:

- remember passwords
- remember answers to security questions,
- have access to a device with a camera,
- how often they lose their phone or
- how they feel about biometrics



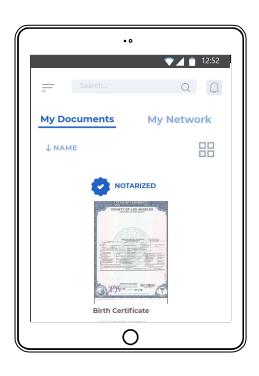
Social attestation for account recovery

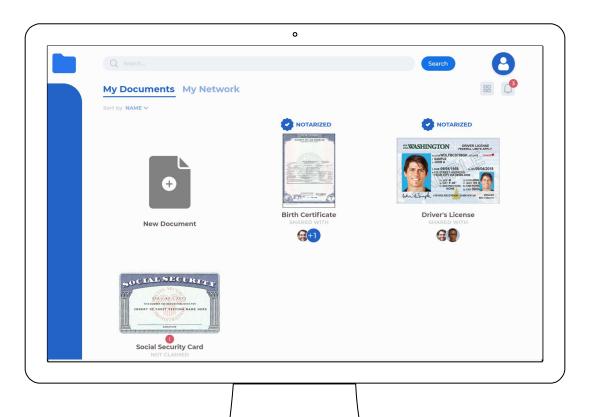




Responsive Website







Customizable Options

- 1. Installation
- 2. Administrative Setup
- 3. Onboarding
- 4. Roles

Owner Can upload documents Can replace documents Can delete documents Can update expiration date Can update account info Can approve share requests Can push shared documents Can revoke shared documents Can set time limit for share Can share user info

How much does it cost to run MyPass?

Hosting Costs		
# of Users	Monthly	Annually
80	\$0	\$0
1,000	\$0.14	\$1.71
10,000	\$76.42	\$917

^{*}based AWS S3, Heroku and Atlas costs

4

Security & accessibility

How blockchain fits in the platform design

How we deliver on



Design Principles



Secure

LifeFiles keeps your digital documents safe using the most advanced security features available.



Accessible

Whether you love, hate, struggle with, or don't understand technology, LifeFiles was built with your preferences and abilities in mind.

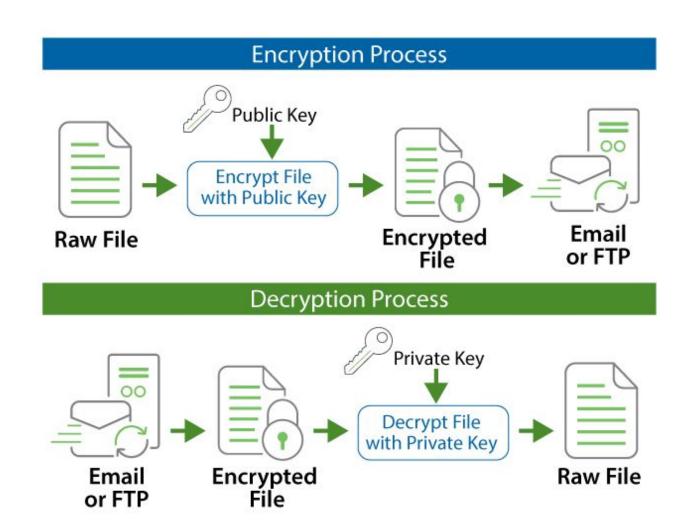
Challenge 1

Security and Sharing

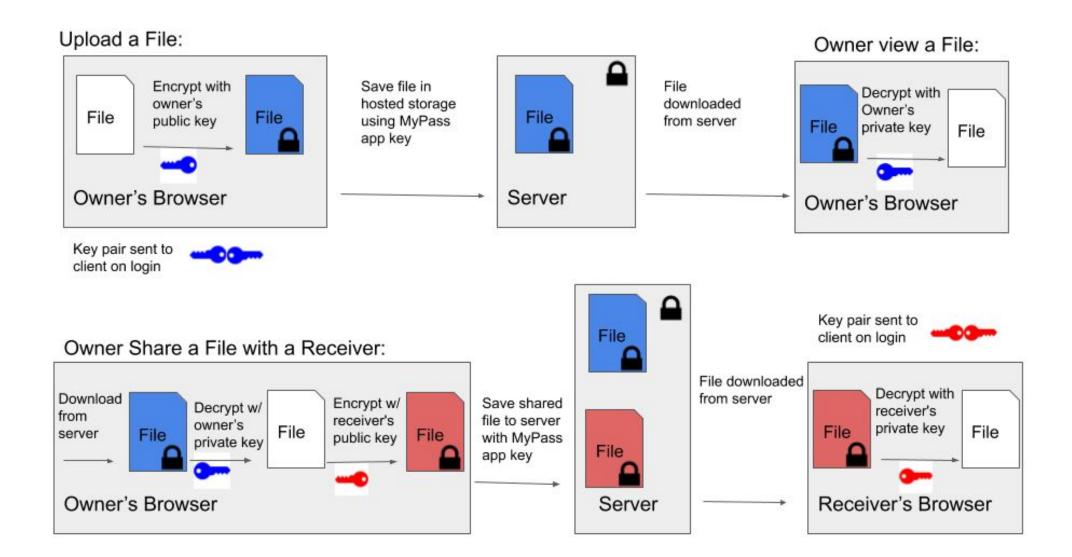
How do we make sure that files are completely secure, and still allow sharing of documents with anyone the user choses?

Security and Sharing

DPKI
Decentralized
Public Key
Infrastructure



Security and Sharing



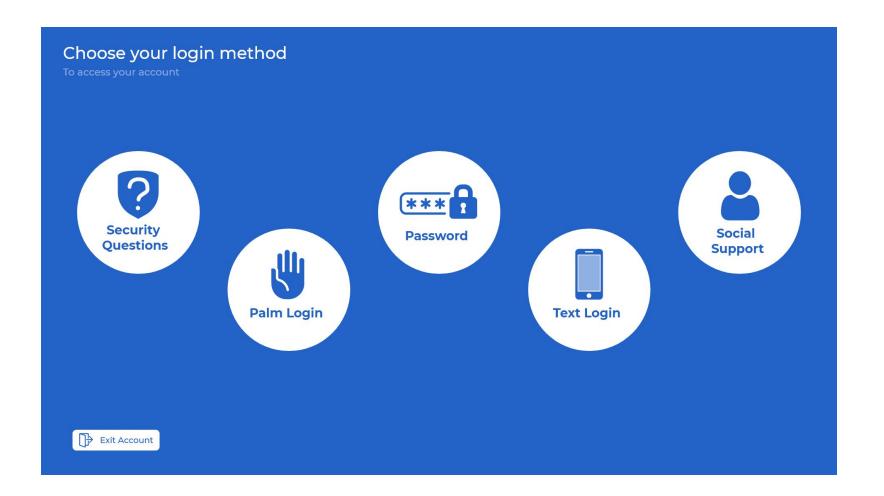
Challenge 2

Key Stewardship

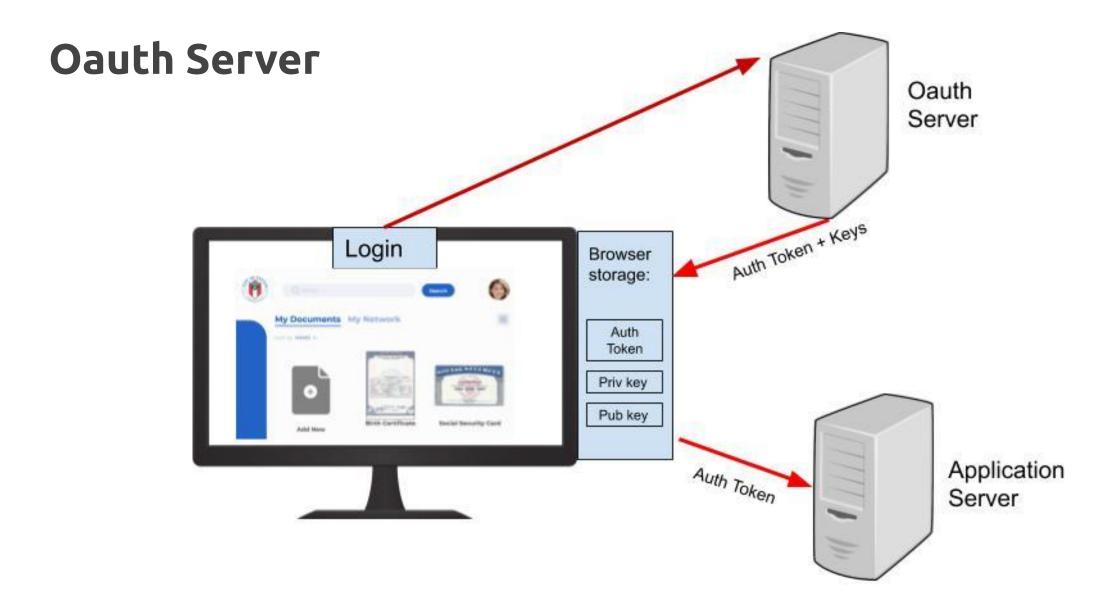
How do folks log into our app if they have a hard time remembering passwords?

Key Stewardship

Multiple ways to log in



Key Stewardship



Challenge 3

Transactions with digital documents

How do we expect people to use these images of documents as if they were originals?

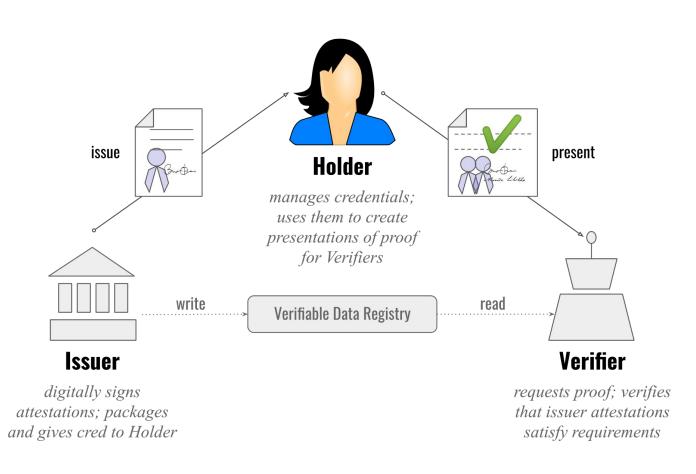
There are

legal requirements for a document to be digitally notarized

- ✓ A digital signature is used
- Signer is a notary
- ✓ Document is tamper-resistant
- ✓ Notarized document is controlled by its owner
- ✓ The notarized document is original, not a copy

Transactions with Digital Documents

Verifiable Credentials



Transactions with Digital Documents

e-notarization



Certified Copy of a Non-Recordable Document

State of Texas

County of _Travis_.

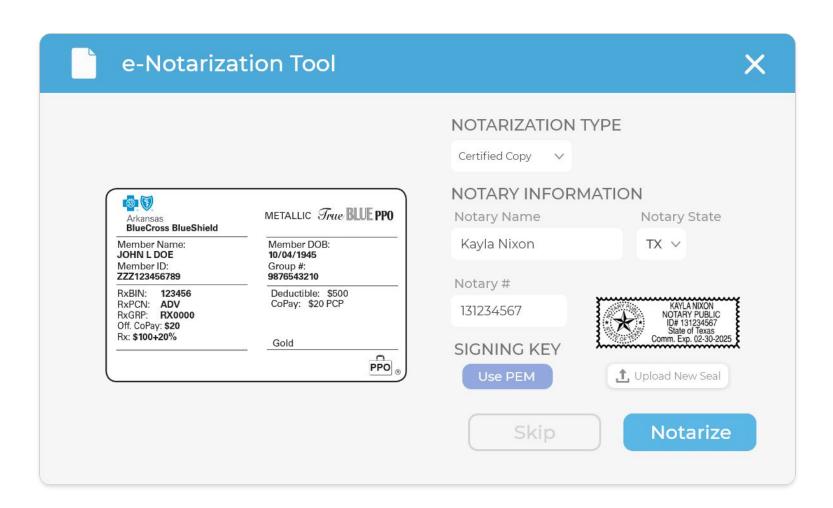
On this date, <u>Jan 1, 2021</u>, I certify that the preceding of attached document, is a true, exact, complete, and unaltered copy made by me of <u>Insurance Card</u>, presented to me by the document's custodian, <u>John Doe</u>, and that, to the best of my knowledge, the photocopied document is neither a public record not a publicly recordable document, certified copies of which are available from an official source other than a notary.



did:ethr:0x6efedeaec20e79071251fffa655F1bdDCa65c027

Transactions with Digital Documents

Notarization Tools



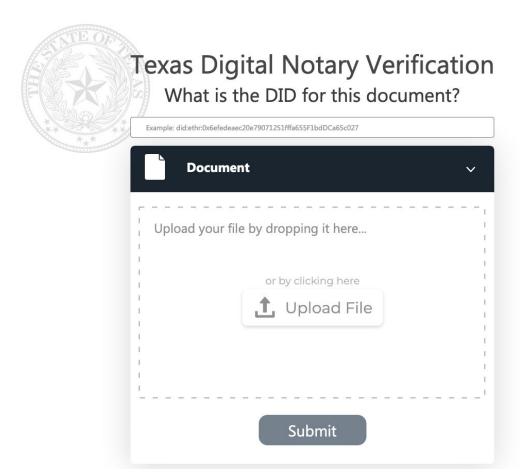
Challenge 4

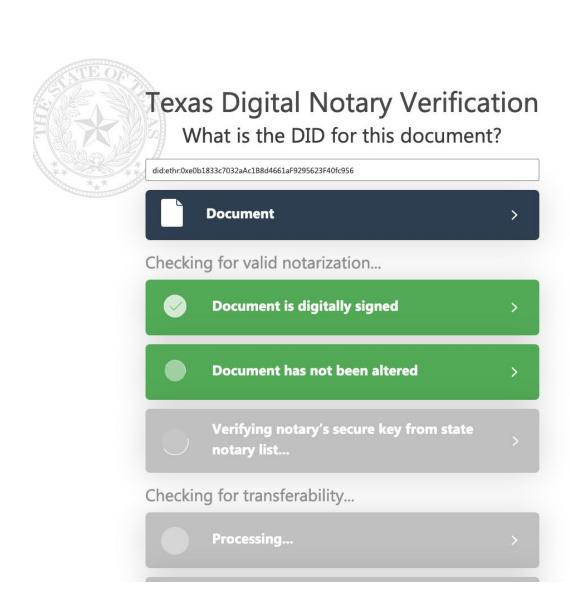
Adoption by document "receivers"

How do we help folks interact with digital notarizations? How do we prove to folks that it is real?

Adoption by document "receivers"

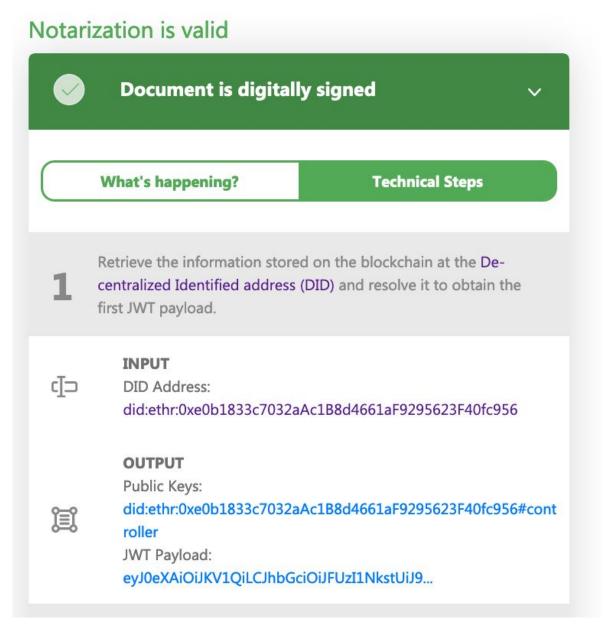
Decentralized Verification





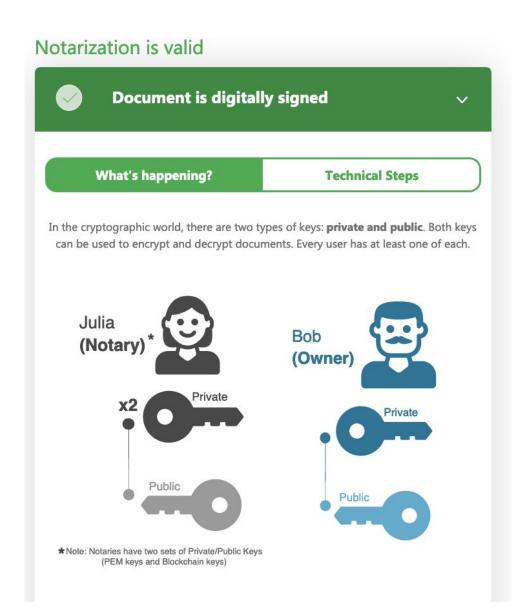
Adoption by document "receivers"

Radical Transparency: Auditability



Adoption by document "receivers"

Radical Transparency: Plain Language



5

Privacy & Administration

How we deliver on



Design Principles



You alone retain the ability to share, revoke, or delete access of your identity documents.



Self-Determinant

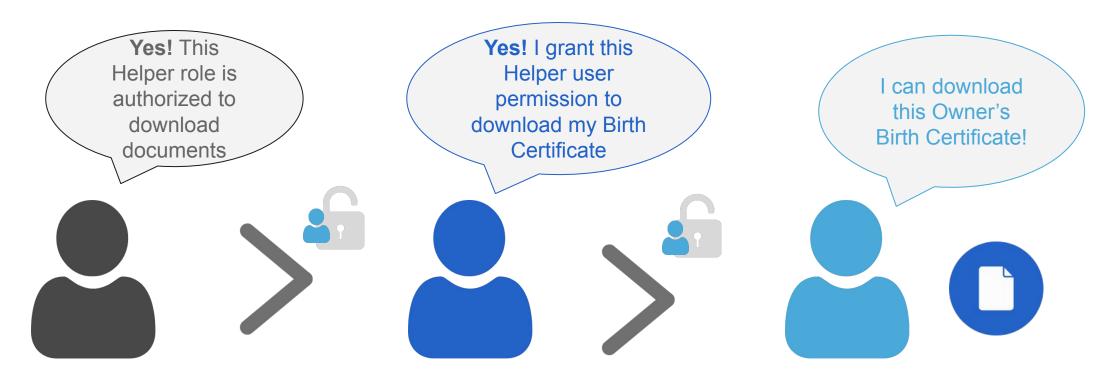
In the face of a system that perceives you through data you don't control, LifeFiles gives you full control over the documents that represent you (to facilitate access to services you may need).

Permissions Hierarchy

Helper permissions are determined in the following order:

- 1. Whether the *Admin* has granted the user type access to the feature
- 2. Whether the *Owner has shared* the relevant permission with the helper

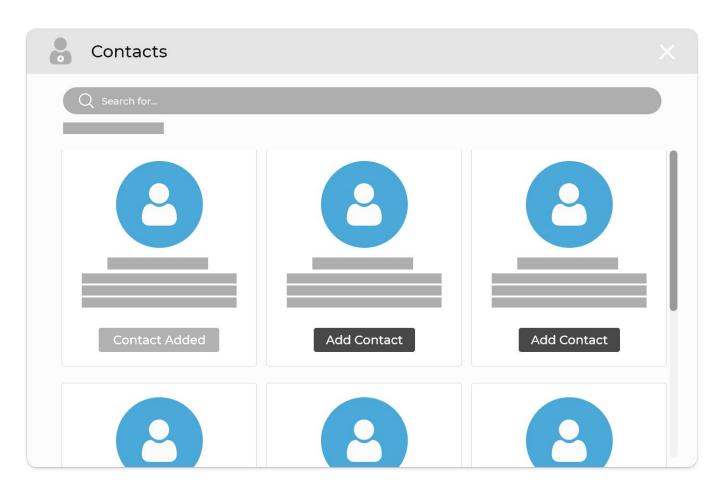
For example, if a Helper user needs to download an Owner's Birth Certificate...



How it works: Owners connect to Helpers

Document Owners **add** Helpers to their network as contacts to get assistance with their documents

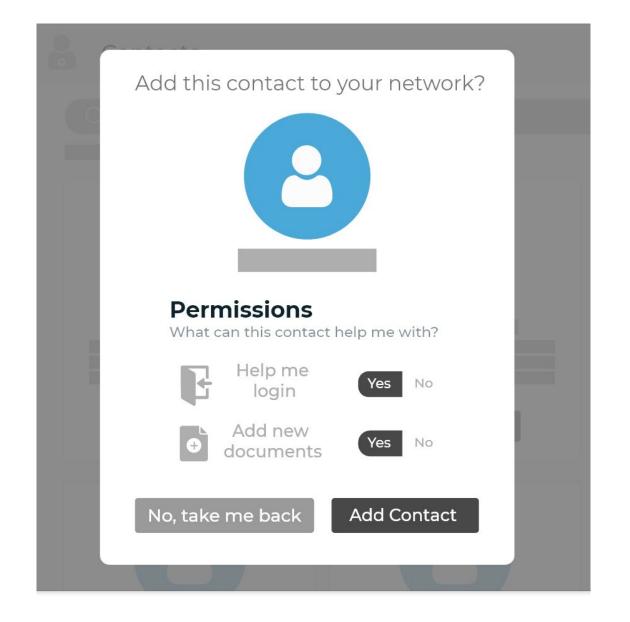




How it works: Owners Give Permission to Helpers

When **Owners** add a **Helper** contact for the first time, they set the permissions to...

- Recover their account by help them login using a code (social attestation)
- Upload documents on their behalf

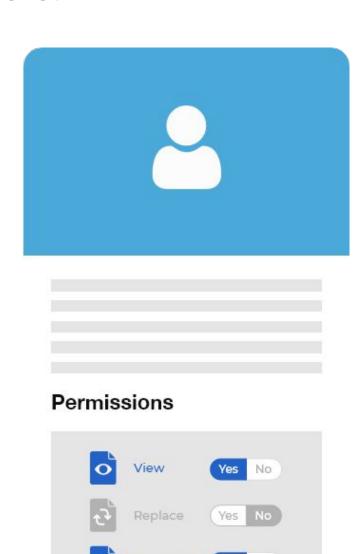


How it works: Owners set Permissions at the Document Level

Once connected, **Helpers** can request access to **Owner** documents and owners can grant them the following permissions...

- Can this person view my document?
- Can this person download my document?
- Can this person replace my document?



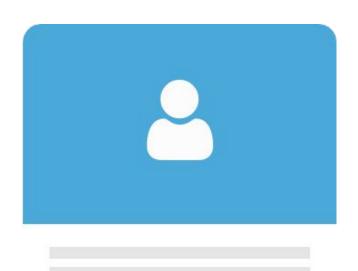


Download

How it works: Document Permissions

When a document Owner shares **view**, but **not download** access to a document, the file image is
covered with a **watermark** to invalidate it as a digital
copy and protect the Owner's document





Permissions



Platform Administrator

Behind the scenes, there is a third type of user in LifeFiles



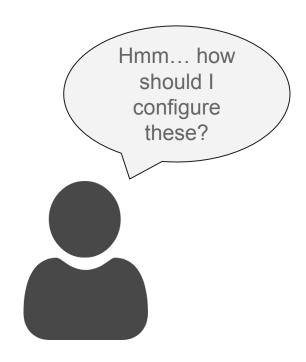
Administrator

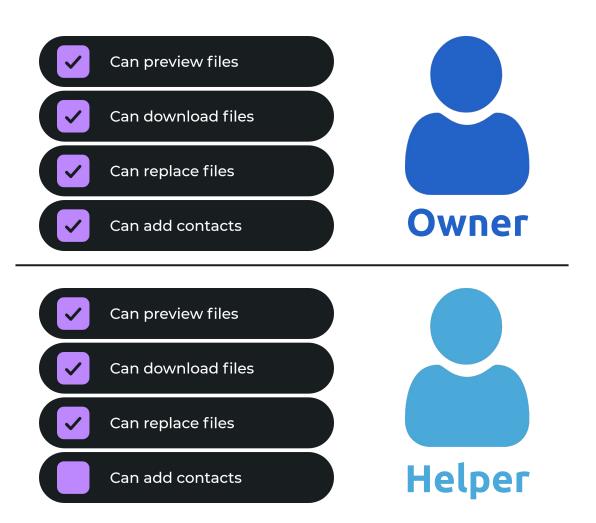
LifeFiles Administrators can adapt the application to the contextual needs.

Responsibilities include setting up document types, delineating role permissions and toggling features for Owners and Helpers.

Admin Page

Through the *Admin page*, an administrator can toggle features and functions on or off for each user type...





Admin Page

Ok! So owners get to have all of these.



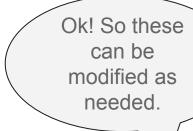
Document Owner

- Document owners by default have access to most of LifeFiles features and functions.
- To maintain full autonomy over their documents, their respective permissions should always be kept unrestricted by the platform's administrator

Owner

- Can upload documents
- Can replace documents
- Can delete documents
- Can update expiration date
- Can update account info
- Can approve share requests
- Can push shared documents
- Can revoke shared documents
- Can set time limit for share
- Can share user info
- Can view helpers to share

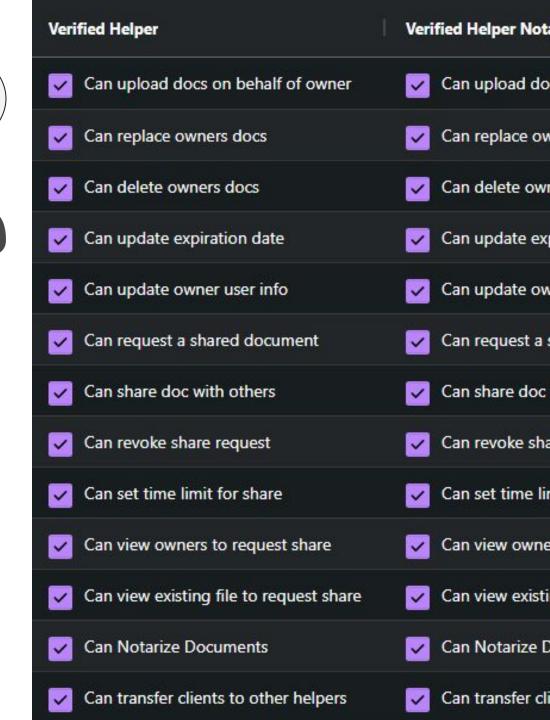
Admin Page



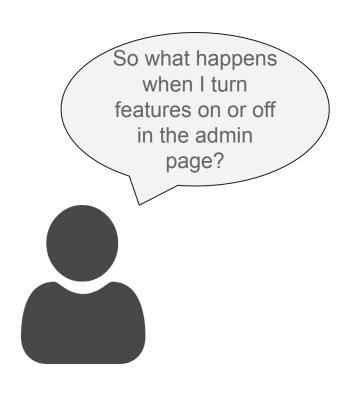


Document Helper

- Document Helpers are can be modified to fit the one of several administration models (pre-configured administrative settings)
- Admins can create multiple Helper account types with varying permissions depending on the needs of the organization that adopts LifeFiles



Let's Review how Administrative Controls affect the front end experience





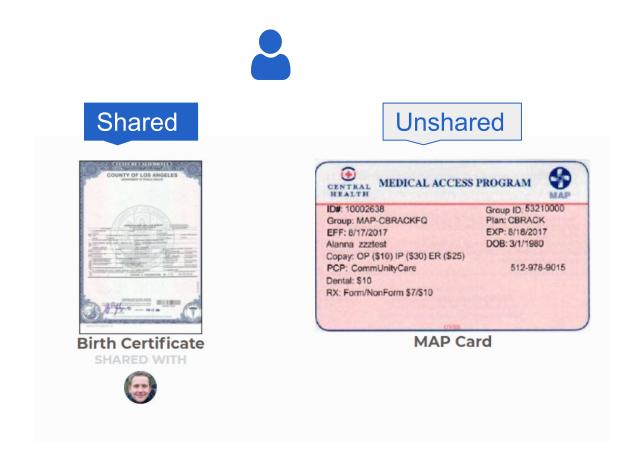
View Permissions

- File thumbnails
- Document preview/info
- User information
- Zoom-in

VIEW

File Thumbnails

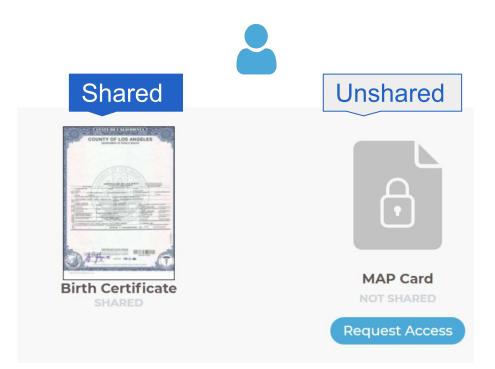
As an Owner, I always have the ability to see the thumbnails of my documents



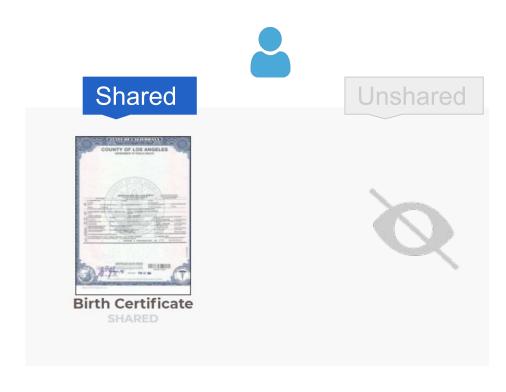
File Thumbnails

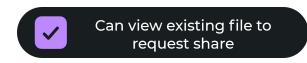
As a Helper, my ability to see document thumbnails varies...

has the **Owner** shared it with me?

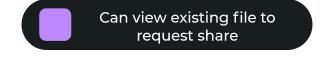


has the **Administrator** authorized me to see them?





As an **Admin**, I can limit Helper's ability to see file thumbnails



File Thumbnails (Protected Docs)





As an **Owner**, I can always see my private (protected) documents.



Name





As a **Helper**, I can't see an Owner's private (protected) document unless they share it with me



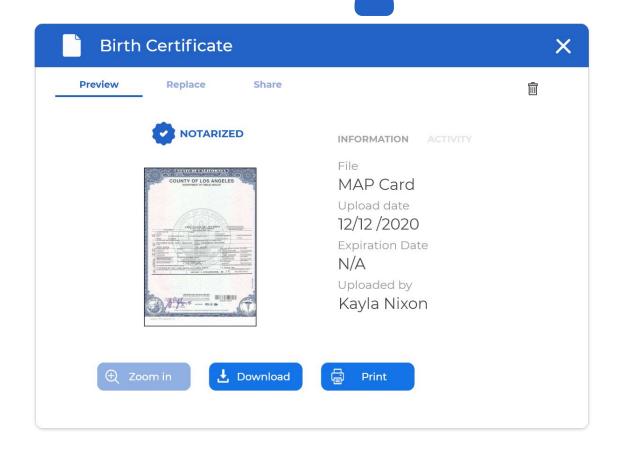




As an **Admin**, I determine whether or not a document type is considered Private/Protected

Document Preview

As an Owner, I can always preview documents on my account and share this permission to helpers in my network





Document Preview

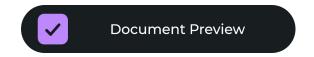
As a Helper my ability to preview documents varies...

has the Owner shared it with me?

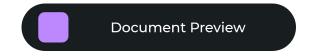


has the Administrator authorized me to preview them?





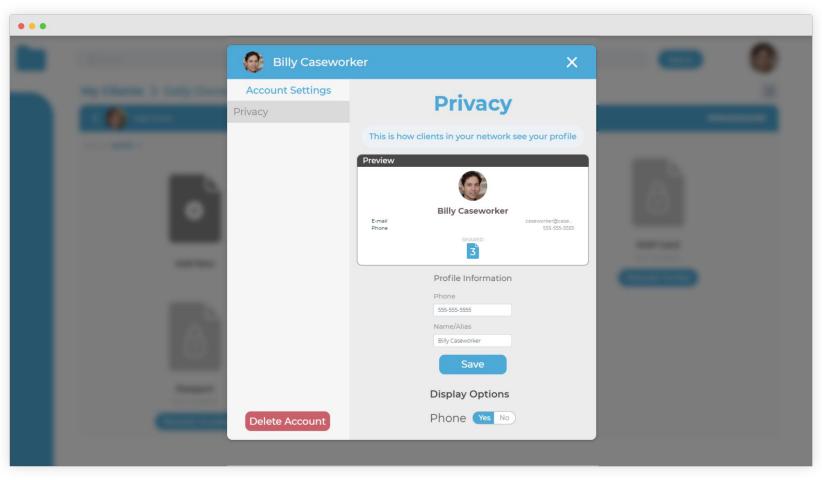
As an **Admin**, I can limit Helper's ability to preview Owner documents



User Information

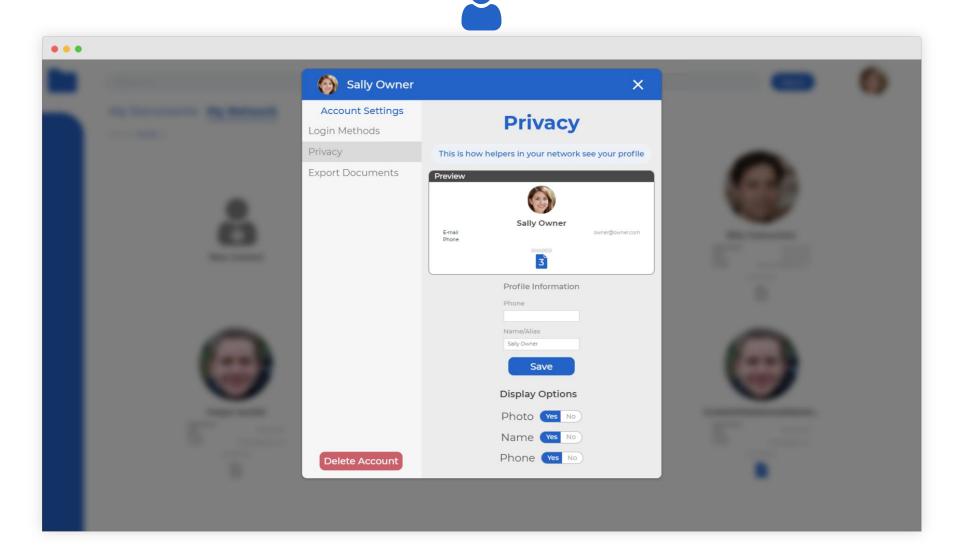
As a **Helper**, I get to choose what profile information is displayed publicly to all Owners in the platform through my account settings page





User Information

As an **Owner**, I get to choose what profile information is displayed to my added Helper contacts through my account settings page

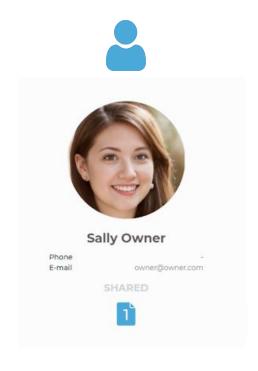


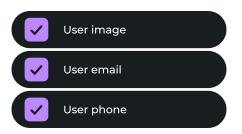
User Information

As a Helper my ability to preview owner user information varies...

what information has this document **Owner** shared?

has the **Administrator** authorized me to see it?





As an **Admin**, I can limit Helper's ability to see Owner users' profile information





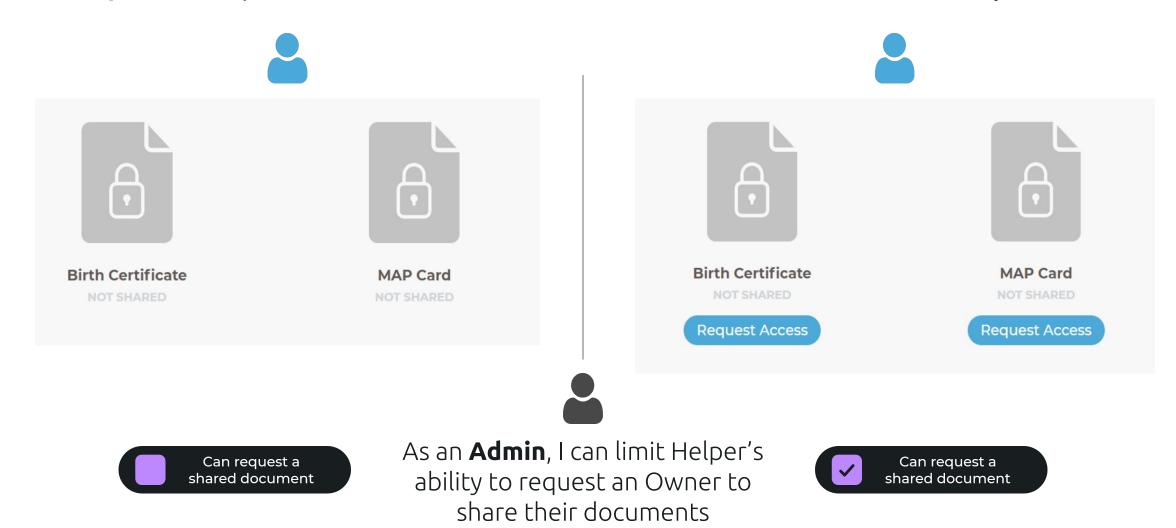


Request Permissions

- Initiate or cancel document share request
- Set time limits on share requests

Document Request

As a Helper I can request for an Owner to share a document with me unless restricted by an Admin





VIEW

(Re)Upload/Download Permissions

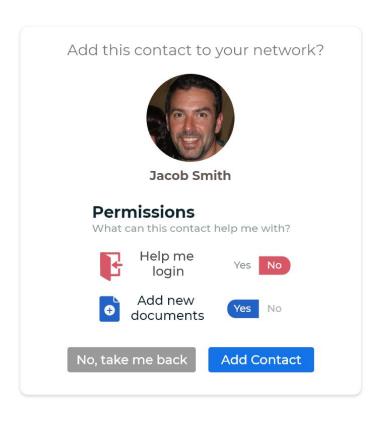
- Upload documents on behalf of Owners
- Download Owner documents
- Replace Owner documents

Document Upload

As an Owner, I can always upload documents to my account, and also grant Helpers in my network the permission to upload documents on my behalf





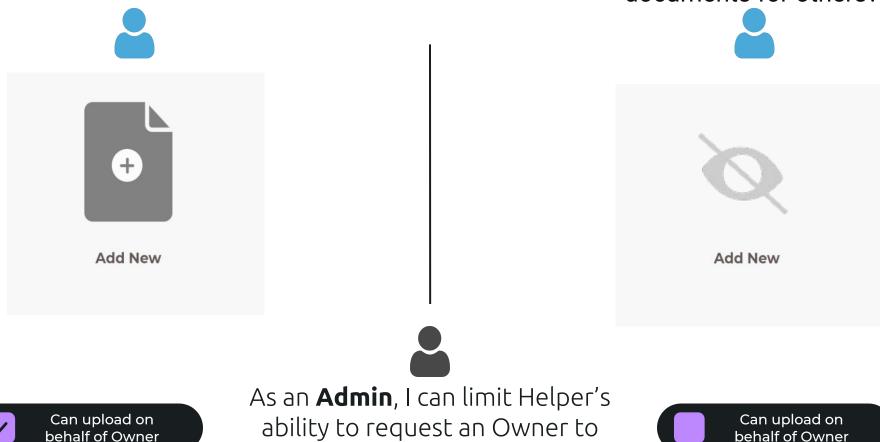


Document Upload

As a Helper my ability to upload documents on an Owner's behalf varies...

has the Owner granted me this permission as a contact?

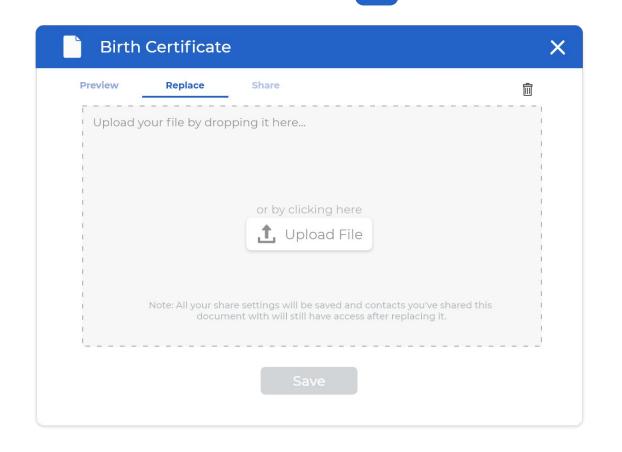
has the Administrator authorized me upload to documents for others?



share their documents

Document Replace

As an **Owner**, I can always replace documents on my account and share this permission to helpers in my network

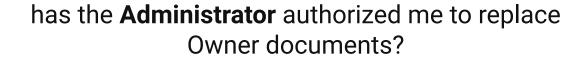


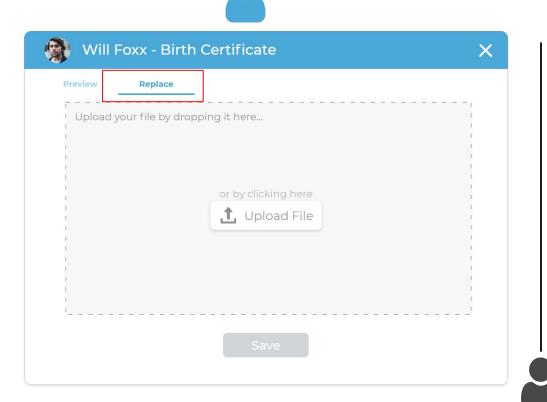


Document Replace

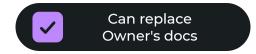
As a Helper my ability to replace documents on an Owner's behalf varies...

has the **Owner** granted me this permission over their document?

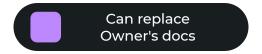








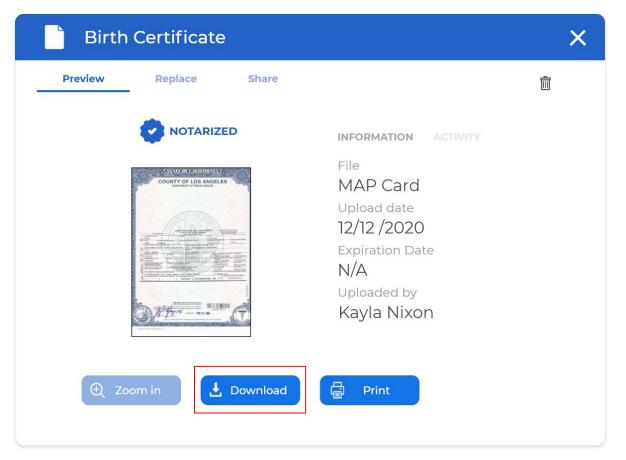
As an **Admin**, I can limit a Helper's ability to replace Owner documents



Document Download

As an **Owner**, I can always download documents on my account and share this permission over my documents to Helpers in my network







Document Download

As a Helper my ability to download documents on an Owner's behalf varies...

has the Owner granted me this permission over their document?

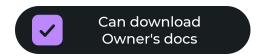




has the Administrator authorized me download Owner documents?









As an **Admin**, I can limit a Helper's ability to *download* Owner documents





Notarize Permissions

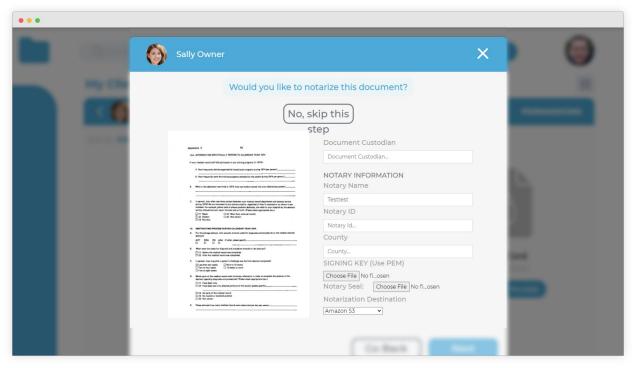
Create and upload certified copies for document Owners

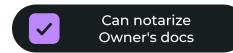
Document Notarization

As a Helper my ability to notarize documents on an Owner's behalf varies...

- are my Texas notary credentials valid and up to date?
- is the document a type that supports notarization?
- has the Administrator authorized me to notarize Owner documents?









As an **Admin**, I can limit a Helper's ability to *notarize* Owner documents

Admin Page (Helper Permissions)

Full breakdown

			.
Verified Helper	Verified Helper Notary	Dedicated Notary	Unverified Helper
Can upload docs on behalf of owner			
Can replace owners docs			
✓ Can delete owners docs	Can delete owners docs	Can delete owners docs	Can delete owners docs
Can update expiration date			
Can update owner user info			
Can request a shared document			
Can share doc with others			
Can revoke share request			
Can set time limit for share			
Can view owners to request share			
Can view existing file to request share			
Can Notarize Documents	Can Notarize Documents	Can Notarize Documents	Can Notarize Documents
Can transfer clients to other helpers			

Note: Owner permissions can also be configured by an Admin, but should never be disabled as this platform is all about giving Owners the capacity to be self-determinant

VIEW



Default Administrative Settings

Organization + Owner-based verification

We considered 4 types of administrative models, and decided on a hybrid closed model, where there are two types of Administrators



Super Admins have two responsibilities:

- Onboard organizations and sub-admins into LifeFiles
- Provide technical maintenance



Sub-Admins have one responsibility:

 Verify, onboard and monitor Helper users of their organization in LifeFiles What is the Hybrid - closed model?

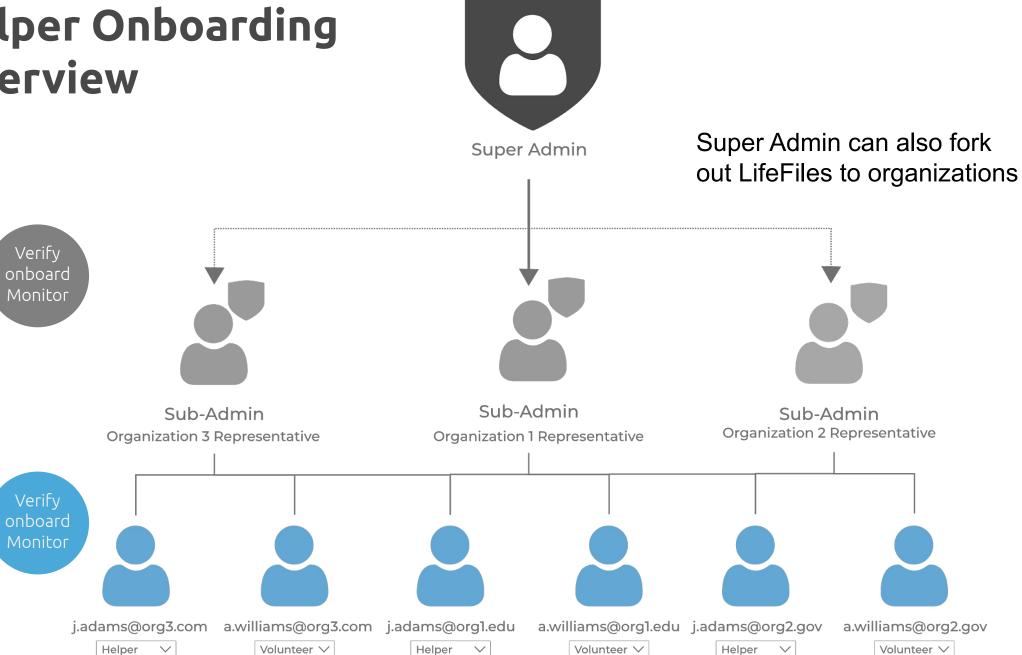


Organization-based verification

Helper permissions depend on the account type a representative of their organization (sub-admin) sets for them. Helpers are

verified by a sub-admin and authorized by an owner

Helper Onboarding **Overview**



Advantages

High level of control and user protection

A tightly controlled platform means a high level of protection over its users

Lessens the Admin effort

Organization Sub-Admins onboarding their own helpers to reduce effort on the Super Admin side

Bad actors handled by the organization itself If something goes wrong, the Sub-Admin has the ability to revoke their network's helper accounts.

Ability to create time-limited Helper accounts

Can be automatically de-activated upon expiry (for niche use cases such as doc clinic volunteers)

Official Helper accounts can boost Owner's confidence in LifeFiles

Knowing that a Helper belongs to an organization, may help Owners be less concerned about being preyed upon by impersonators or bad actors

Disadvantages

Family members, advocates and unaffiliated users cannot become Helper users

Making it so that only the Super Admin and Sub Admins have the ability to onboard helper users means people that do not belong to any organization cannot become Helper users (Unless we explore a possible path for unaffiliated helpers known as 'Personal Helpers).

The extra setup process for Sub Admins

The Super Admin needs to work with organizations to onboard a representative into becoming a Sub Admin (this could be a potential bottleneck at first)

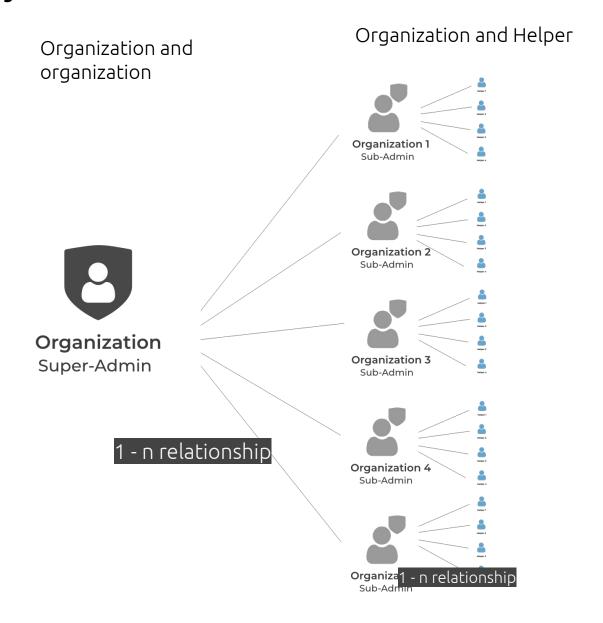
Hybrid - Closed model development needs

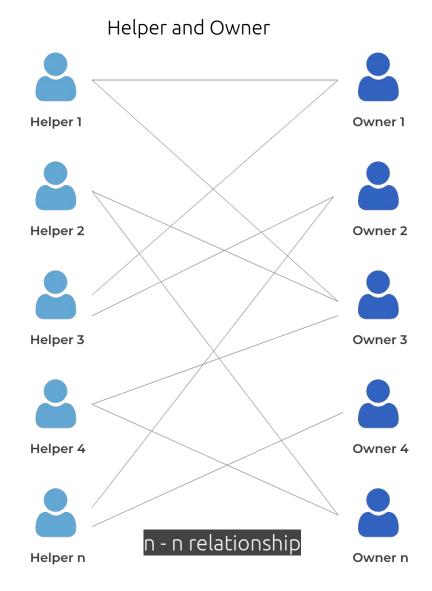
- 1. Identify the back-end needs for Super-Admin and Admin roles
- 2. Integration of Texas notary database with platform for notary automation verification
- 3. Limited time Helper account set-up
- 4. Owner documents sharing informed decisions feature
- 5. Confirmatory warnings for sharing documents
- 6. Revisit the helper role default permissions set-up in Admin platform

COMMON NEEDS ACROSS ALL VERIFICATION MODELS

- 1. Need for Email/Phone number verification via activation link on Helper platform, when Helper creating an account
- 2. Revisit the helper role default permissions set-up in Admin platform
- 3. Integration of Texas notary database with platform for notary automation verification

Relationship dynamics





Hybrid - Closed modal Helper user types



Has access to **all permissions**and features on Platform **Upload + Replace + Request + View + Download***can be granted notarization privileges if Helper is certified notary



The permissions are **limited to assisting** owners with uploading and replacing documents. These accounts can be temporary and set to expire

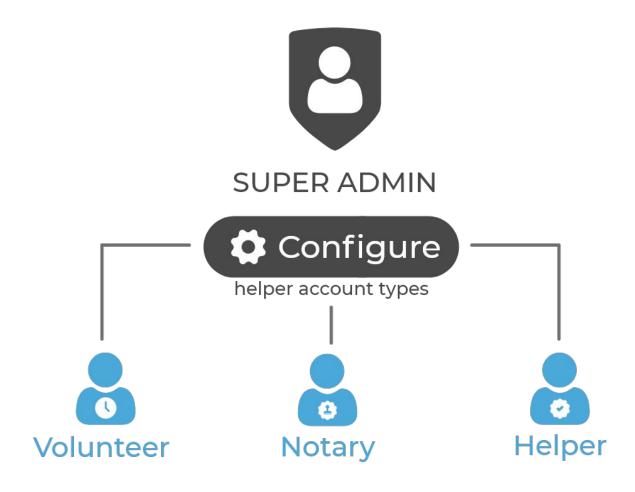
(Re)Upload + Replace



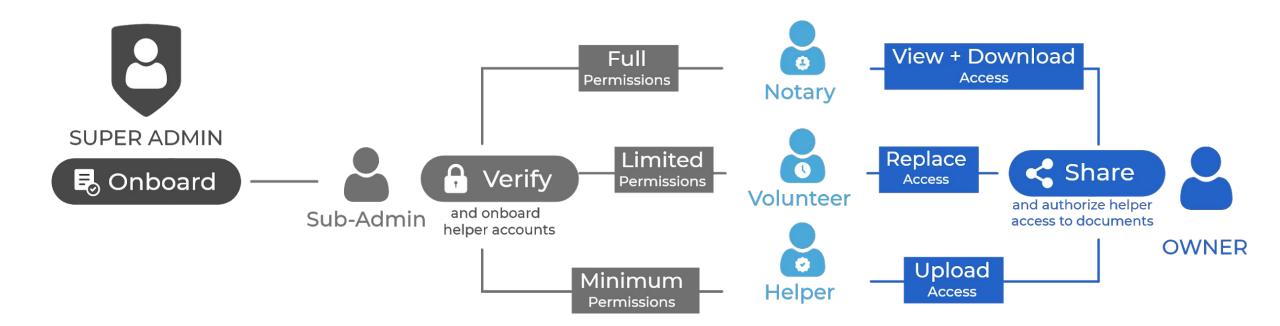
This is a third-party **registered notary** that is in the platform to notarize owner documents and nothing else.

Upload + Reupload + Request + View + Download/Print

Hybrid model permissions overview



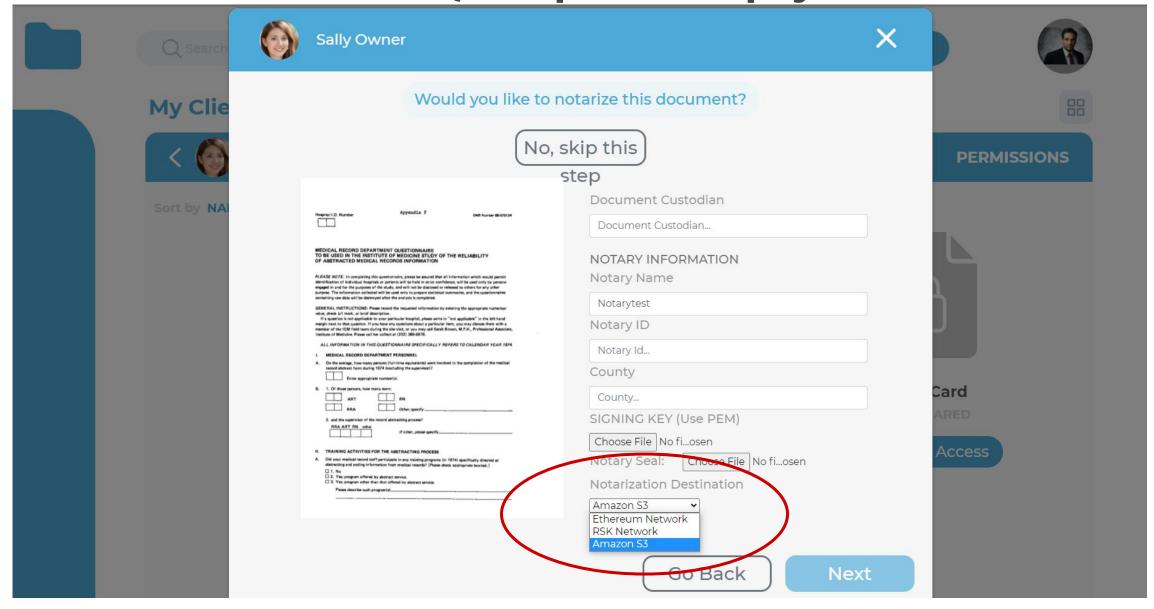
Hybrid model permissions overview



Platform Administration & Blockchain

- There are 3 options for storing notarization data:
 - a. Etherium
 - b. Rootstack
 - c. Free notarization option available with public S3 bucket from AWS
- This section identifies how an administrator can establish a blockchain wallet to pay for notarizations

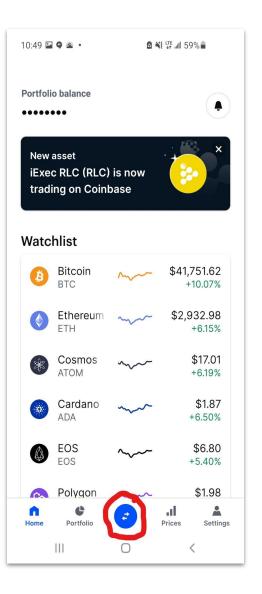
The notary chooses where the notarial data is stored. If on Etherium or Rootstack, the platform pays for the cost.



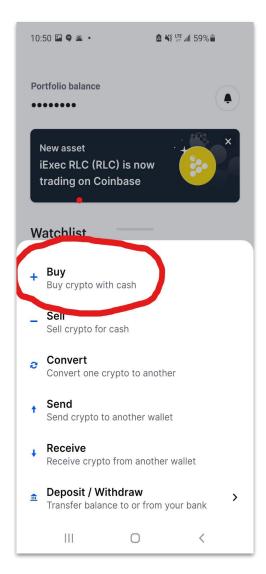
To fund the notarization data on blockchain...

- Log into or create a blockchain vendor account. <u>Binance</u>, <u>Coinbase</u>, <u>Voyager</u>, <u>Gemini</u>
- Buy Ethereum or Rootstock.
 Here's an example of how to do it with Coinbase...

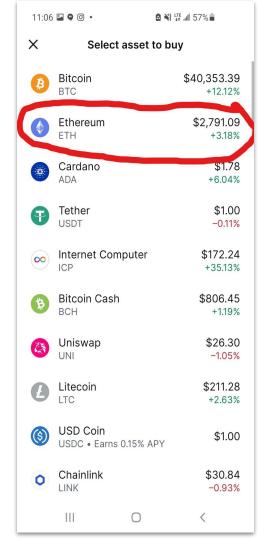
Find a button that allows you to complete transactions...



Select the option to buy crypto



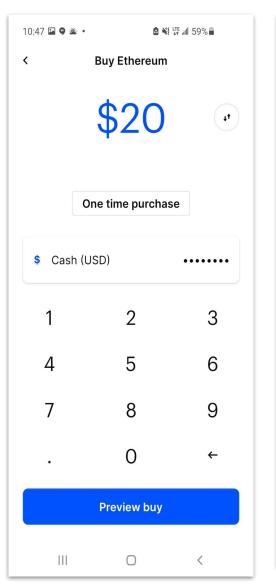
Select which coin to buy (choose from either Ethereum or Rootstock)



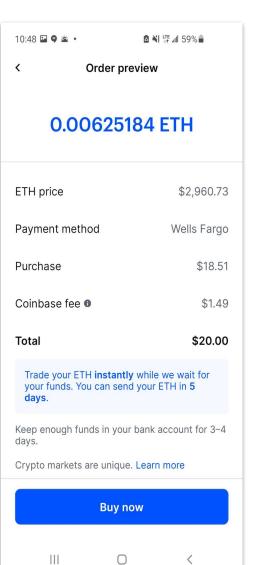


3. Send your newly added crypto to the LifeFiles wallet

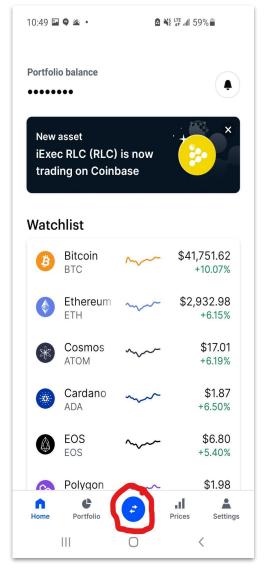
Determine the amount to be purchased and select or add your payment method



Purchase your desired amount of crypto



Go back to the home page and click on the 'Transact' button again

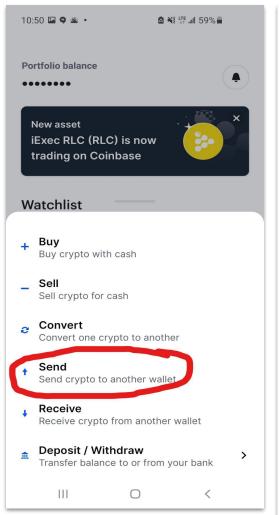


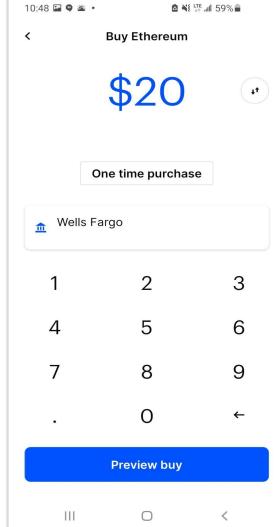
Now click on 'send' to send funds to the LifeFiles wallet

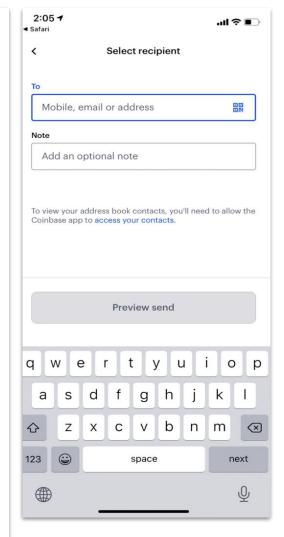
Select which coin to send and the total funds you wish to send to the LifeFiles wallet Send your funds, you can enter the wallter address listed above or scan the QR code

...finishing up

Send your newly added crypto to the LifeFiles wallet







6

Roadmap

MVP - Alpha - Beta - Launch

Learning Launch

A learning experiment conducted quickly and inexpensively to gather contextual data to determine the merit of committing further time, people and resources



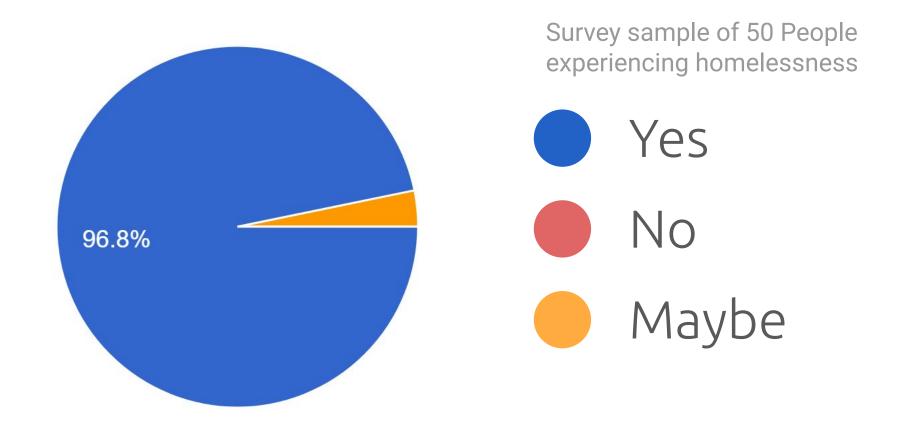
Conditions for Learning Launch

1	Platform Administrator	•	One platform administrator
2	On-boarding	•	Main focus is for on-boarding document owners and a few document helpers
3	Helpers	•	Organizationally-affiliated helpers, same organization as the platform administrator.
4	Document Owner	•	Limited to clients of the platform administrator
5	Notary	•	Digital notary affiliated with the administering organization
6	Document Receiver	•	Either used for document replacement assistance, and/or Direct service offered from administering organization Work to get some recognition by other document receiving services

Learning Launch Results

		Critical Path	Essential learning	Result	
1	Platform Administrator	Can the new potential Admin navigate the Admin page well enough to be an Admin?	Whats the time/resources commitment for Admins, on-boarding and post on-boarding?	•	/
2	Organizationally- affiliated Helper	Is it easier or harder to use than their current software suite (Gdrive, Apricot)?	How does the process flow from Admin training helpers, to Helpers onboarding Owners?		/
3	Document Owner	Is it easy to remember how to use LF a week after having been onboarded by a helper?	How well do Doc owners understand the sharing mechanics?	•	/
4	Notary	Does the notary trust LifeFiles?	Can we onboard a registered notary (y/n)	•	/
5	Document Receiver	Can a doc owner transact with a document receiver using LifeFiles? (if no, why not?)	Which of the share methods would a type of receiver accept?	•	X

Do you think there is a benefit in having a digital and legally valid copy of your IDs and documents?



Sunrise Homeless Navigation Center

"We are the only full-service navigation center that stayed open during the pandemic. We see first hand the trap that lost/stolen/destroyed documents pose to people without homes as they expend tremendous time and energy trying to reacquire documents over and over again.

Without these documents they cannot get jobs, apply for housing, cash checks, open bank accounts etc. They cannot get on their feet. LifeFiles would allow us to help motivated clients out of this endless cycle, particularly at a time when the camping ban and imminent sweeps will result in their property being lost, stolen or destroyed." - Sarah Weier, Assistant Director

Foundation Communities

"It would be immensely beneficial for clients that come to us for one service but also need others. Some clients cancel appointments because they can't find their documentation. Having access through a shared resource amongst partner organizations would be immensely beneficial. It would require less documentation being brought to an appointment if they have access to it." - Connor Tantu, Program Coordinator

Integral Care

"Historically the population I serve has missed out on many opportunities to change their life due to not having the right identity documents accessible. *LifeFiles will make it possible for individuals to not miss out on these opportunities* by having a safe and secure place to store these documents. - David Gomez, Program Manager for Homeless Services

Austin service providers



Homelessness Network

"LifeFiles would be solving a problem that we have been trying to solve for a long time." - Eric Samuels, President and CEO

Austin Public Health

"Document and identity management are immense hurdles for people experiencing unsheltered homelessness. It is easy to take for granted the ease with which most of us access the marketplace and essential services, because we are accustomed to holding the keys that unlock the doors to basic healthcare, food, housing, and employment. LifeFiles solves for numerous barriers to systems entry by *making identity management and document storage*

resilient, secure, and intuitive for the end user."

- Charles Loosen, Homeless Strategy Division

Downtown Austin Community Court

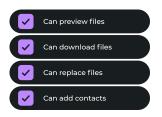
"Replacing an ID or driver license can be very difficult if the information on the ID is unknown, specifically the ID/DL number. In addition, the Social Security Administration only allows an individual to possess ten social security cards in a lifetime. If this amount is exceeded then a letter from a government agency, specifying the need for a replacement card, is needed. This means only certain providers can request this exception. LifeFiles would save time and resources."

- Jennifer Sowinski, Clinical Operations Manager

Austin-Travis County EMS

"This would allow me to continue to work on the client's navigational path rather than start over every time I come across a new (to me) client. It would also give the client one thing that can't be taken from them, some control amid the chaos." - Amber Price, Paramedic

Future Roadmap







Onboard



Helper / Notary



Store



Share





Sub-admin feature

Volunteer helper w/ time limitation

Analytics that respect privacy

NIST certification and proof of personhood to the multimodal login Error Handling when an account in the database that has that email

Email/phone validation

Look-up notary to prevent fraudulent notary sign-up

Biometric log-on

Ability to have the client share where the physical document is stored

Look-up notary to prevent fraudulent notary sign-up

Micro instruction to wait for document upload process

Document history

Multi-page upload

Identify
document as
private, with
share warning
confirmation

Enhanced "share" mechanism - API, OCR, send a secure link Ability to adapt API to Secretary of State website

What is meant by "digital identity"?

87th Texas State Legislative Session <u>House Bill 2199</u> (did not pass), proposing the formation of a digital identity working group, defines "Digital identity" this way:

- A. credentials issued by federal, state, and local governmental agencies to a person for identification, licensure, registration, and other purposes;
- B. credentials conferred to a person to verify the person's skills and qualifications;
- C. digital credentials issued for user authentication and access management; and
- D. digitally-verifiable claims.

Life Files interacts with that concept of "digital identity" in this way

Stores scanned digital copies, with potential notarization, if needed

Does not do this, but could with further development

- A. credentials issued by federal, state, and local governmental agencies to a person for identification, licensure, registration, and other purposes;
- B. credentials conferred to a person to verify the person's skills and qualifications;
- C. digital credentials issued for user authentication and access management; and
- D. digitally-verifiable claims.

Includes these in the architecture of digital notarization to support the long-term use case of an authoritative source creating and signing the document that is then stored

Stores scanned digital copies, with potential notarization, if needed

3 technical needs to enable digital credentials and access management (part c in previous slide)

(36 person-months in total. ~ 300K)

1 The need to prove that a person signed into the app is authentic

Deliverables:

- 1. Add AAL levels and NIST certification and proof of personhood to the multimodal login
- 2. Contribute to the municipal / national standard for AAL and proof of personhood

Estimate: 12 person months work

2 The need to prove that a document required for the transaction is authentic

Deliverable:

- 1. Pull notarization out of LifeFiles to create stand alone notarization tools
- 2. Create email-to-DID tools to allow the general public to use SSI applications

Estimate: 6 person months

3 The need to support digital signatures

Deliverable:

1. Create a stand alone digital signing tool. Think of this as an open source docusign that can easily be added like a custom form to existing government CMSs.

(This is also a future need of LifeFiles for signing LOAs and contracts)

Estimate: 18 person months

Comparative Landscape

	LifeFiles	MyDigital Locker	ID.me	SigniX	Notarize
Function	digital document storage, notarization, and verification	digital document & data storage	digital credentials and access management	digital signatures and notarization	digital notarization
Core users	Homeless folks, Continuum of Care providers and their clients; other service providers outside of the continuum of care; mutual aid groups, foster care, low income individuals, full time RVers/nomads	Continuum of Care providers and their clients	Military, students, alumni, teachers, nurses, first responders, company employees, government employees, age groups	Titles, tax, real estate closings, wealth management, legal, healthcare, construction, insurance & annuities, government, education	Lenders, auto retailers, businesses, credit unions and banks, title agents, notaries, real estate closings
Document storage	available	available	not available	not available	available
eNotarization	available	not available		Available, NIST digital signature compliance	designed around digital notarization, complete with video conferencing
Accessible multi-modal log-in	available, accessible	available, not accessible	not available	?	?

7

Resources & Links

Open Source Resources

MyPass Secure Document Storage: https://github.com/cityofaustin/mypass

Decentralized Verification, and digital notarization templates https://github.com/cityofaustin/mypass-verification

Multimodal login Oauth server https://github.com/cityofaustin/multimodal-login

Mypass Blockchain Report
https://github.com/cityofaustin/mypass/wiki/blockchain-report

UX Components Library https://lifefilesds.webflow.io/