

User-Friendly Key Management with **SEP-30 Recoverysigner**

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User-Friendly
Key Management
with SEP-30
Recoverysigner

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Key Management

GDBB4A5CNKPXZOHN
DKFH5RLY7MHJMBP7
5FPLR2Y4F630MDHA3
XBAKUQ3

SDZ30KG7TOIKKBGN
HJFQB5TLPHBRSB3ZU
ROZU30KAXZB2GG2A
7JIWAKV

Pay to
GSADIG7T0IIRP3IY47MK...

Words
Five



Amount
5.00

Memo 

Sign SDZ30KG7T0IKKBGNHJF...

Pay to
GSADIG7T0IJRP3IY47MK...



Words
Five



Amount
5.00



Memo 

SBFH4ITLRXDNVHLZXZ4...
SCUWSRQ7LCGLYHZ6LOK...
Sign SDZ30KG7T0IKKBGNHJF...

Pay to	
GSADIG7TOIJRP3IY47MK...	
Words	Amount
Five	5.00
Memo 	Sign
	SBFH4ITLRXDNVHLZXZ4...
	SCUWSRQ7LCGLYHZ6LOK...
	SDZ30KG7TOIKKBGNHJF...



w: 10
w: 10
w: 10

threshold: 20

Pay to	
GSADIG7TOIJRP3IY47MK...	
Words	Amount
Five	5.00
Memo 	SBFH4ITLRXDNVHLZXZ4...
	SCUWSRQ7LCGLYHZ6LOK...
	Sign SDZ30KG7TOIKKBGNHJF...

w: 1
w: 1
w: 1

threshold: 1

Pay to	
GSADIG7TOIJRP3IY47MK...	
Words	Amount
Five	5.00
Memo 	Sign
	SBFH4ITLRXDNVHLZXZ4... SCUWSRQ7LCGLYHZ6LOK... SDZ30KG7TOIKKBGNHJF...

Sign Transactions

Store



Protect

Prevent Loss

Common Approaches



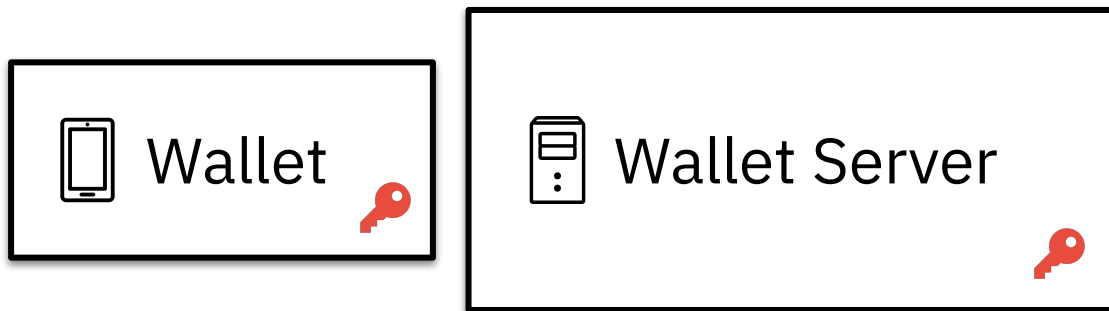


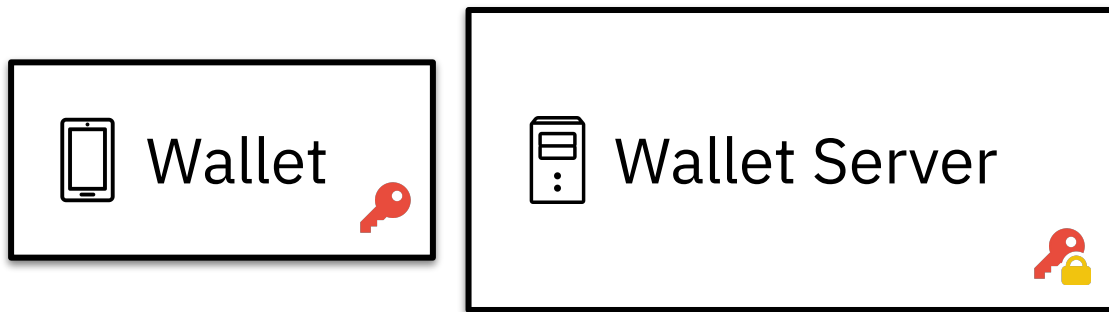
Recovery Phrase



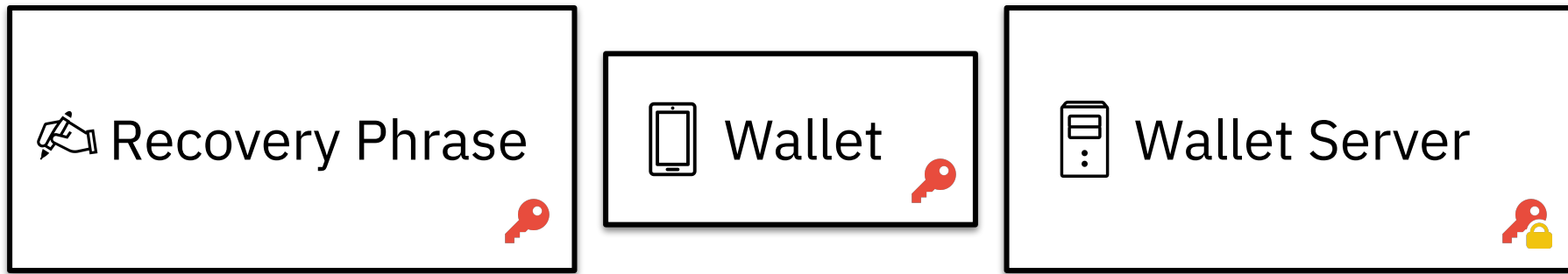
Wallet







Most wallets manage a master key...



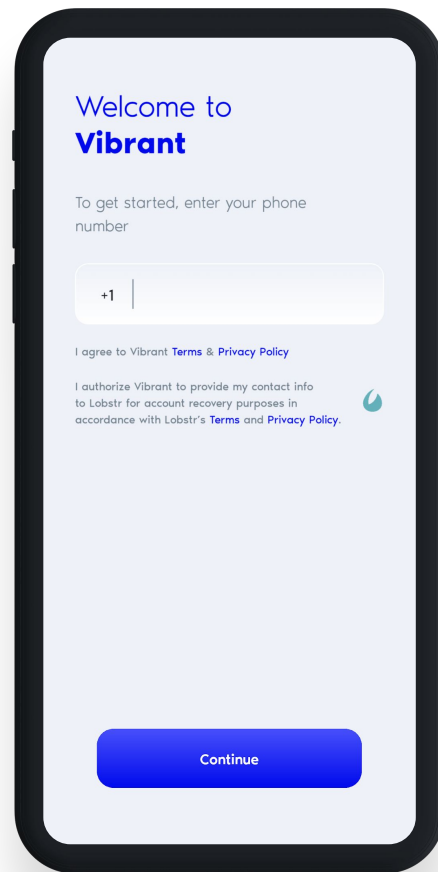
...and backup the master key

SEP-30 Recoverysigner

A User-Friendly Approach



Vibrant



Sign Transactions

Store



Protect

Prevent Loss

Manage device keys and...



...help the user get new keys

SEP-30 API Endpoints

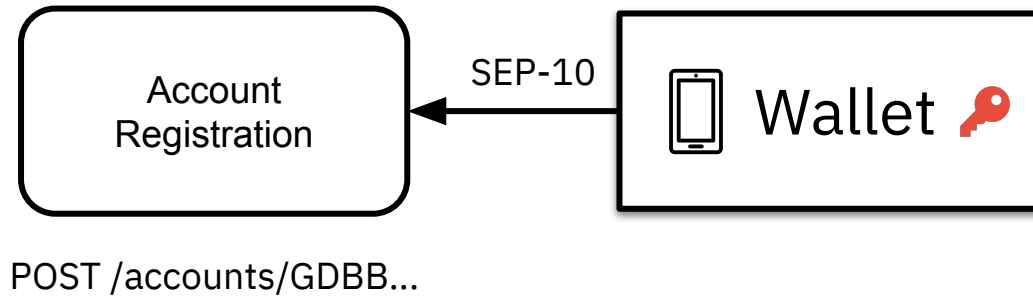
Account
Registration

POST /accounts/GDBB...

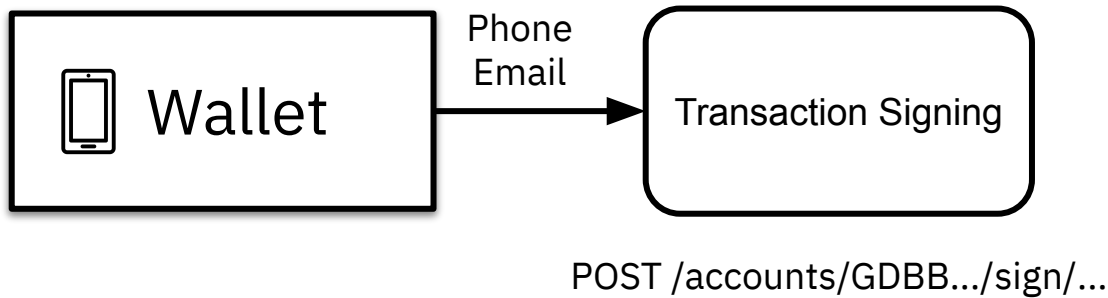
Transaction Signing

POST /accounts/GDBB.../sign/...

SEP-30 API Endpoints

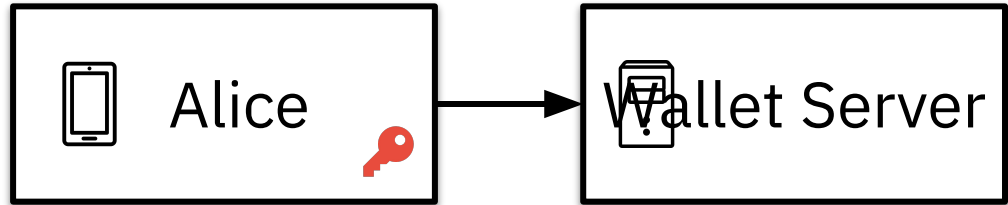


SEP-30 API Endpoints

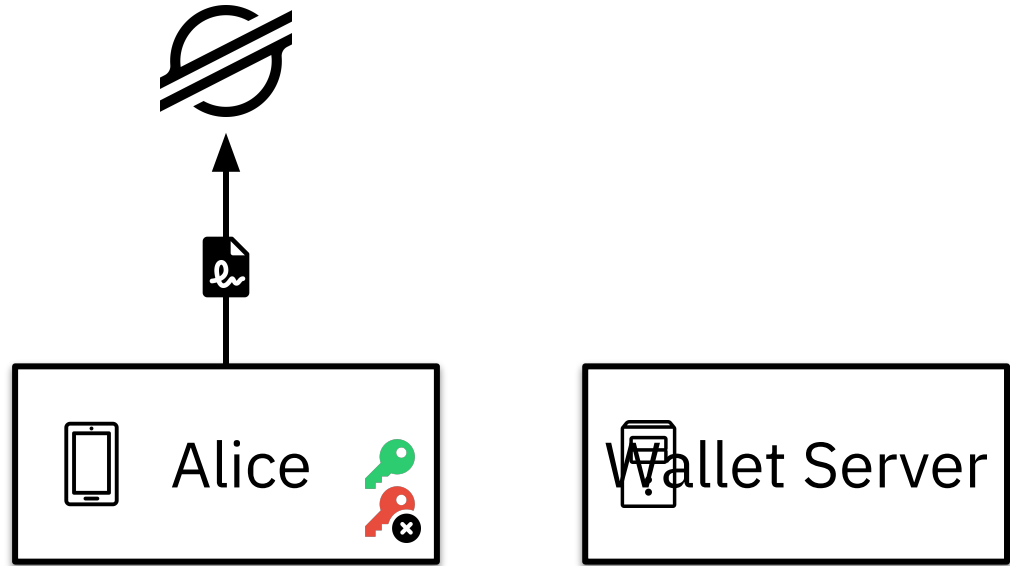


Example

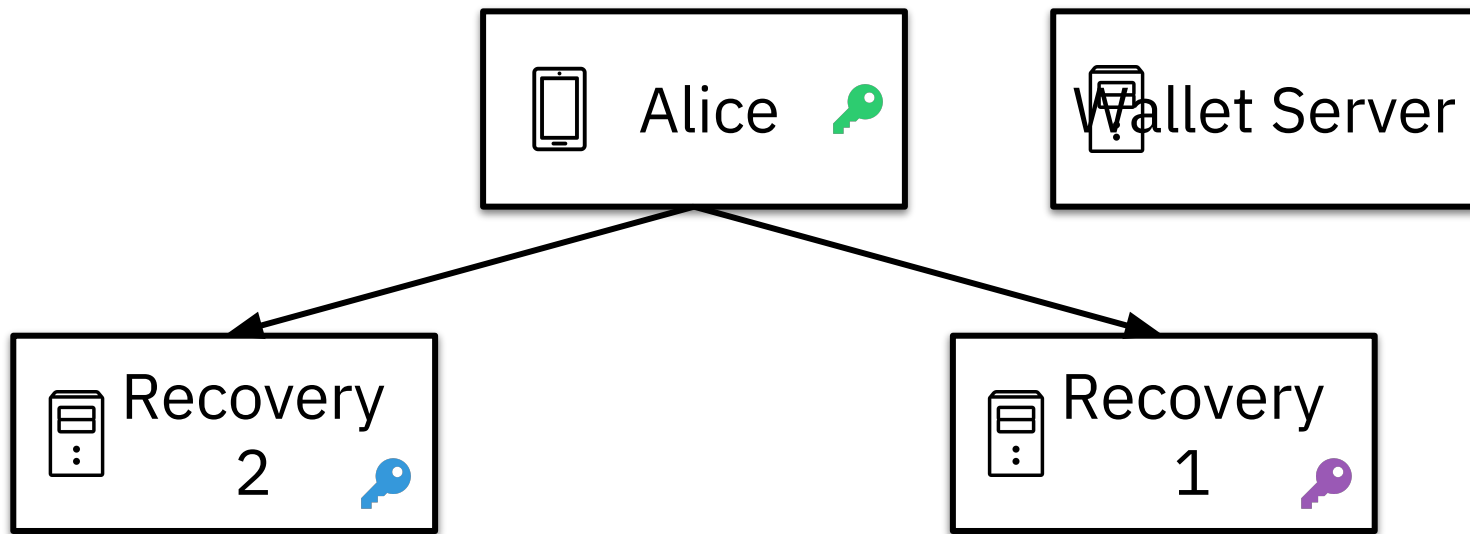
Recovering a Stellar Account

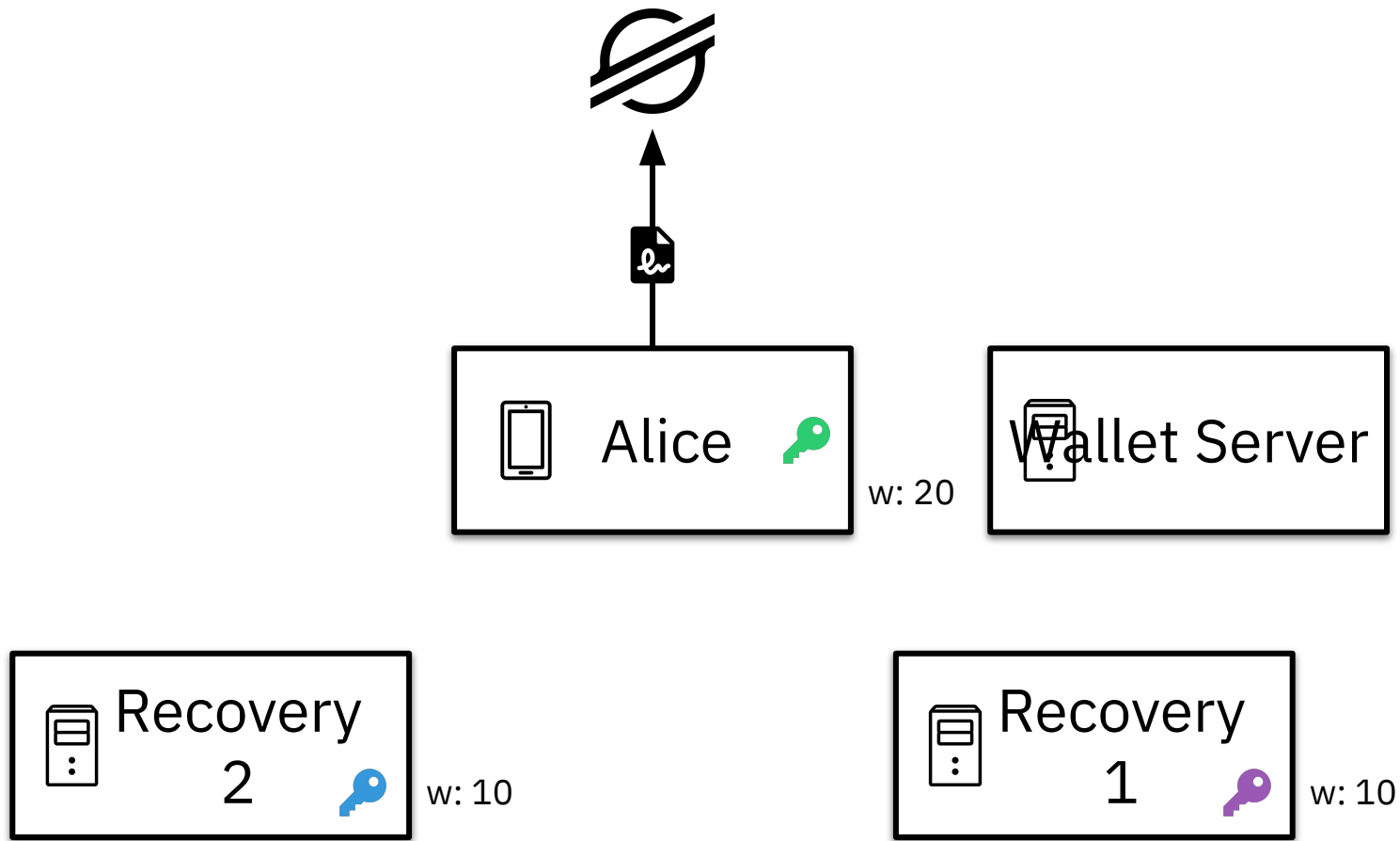


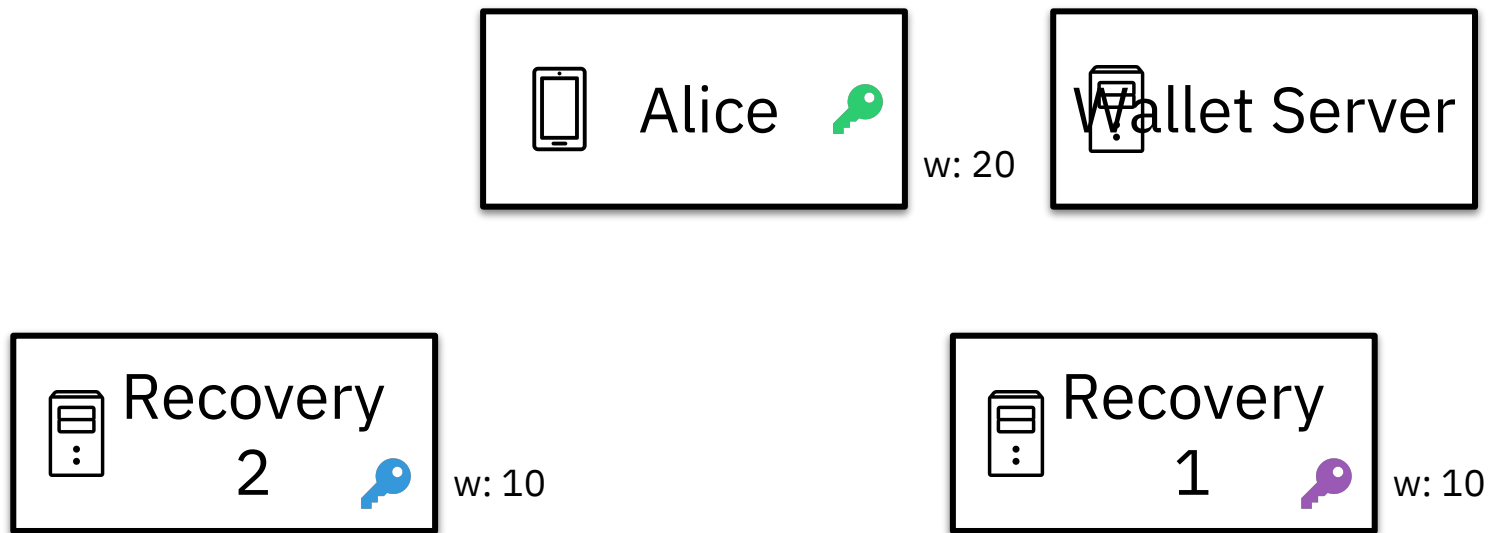


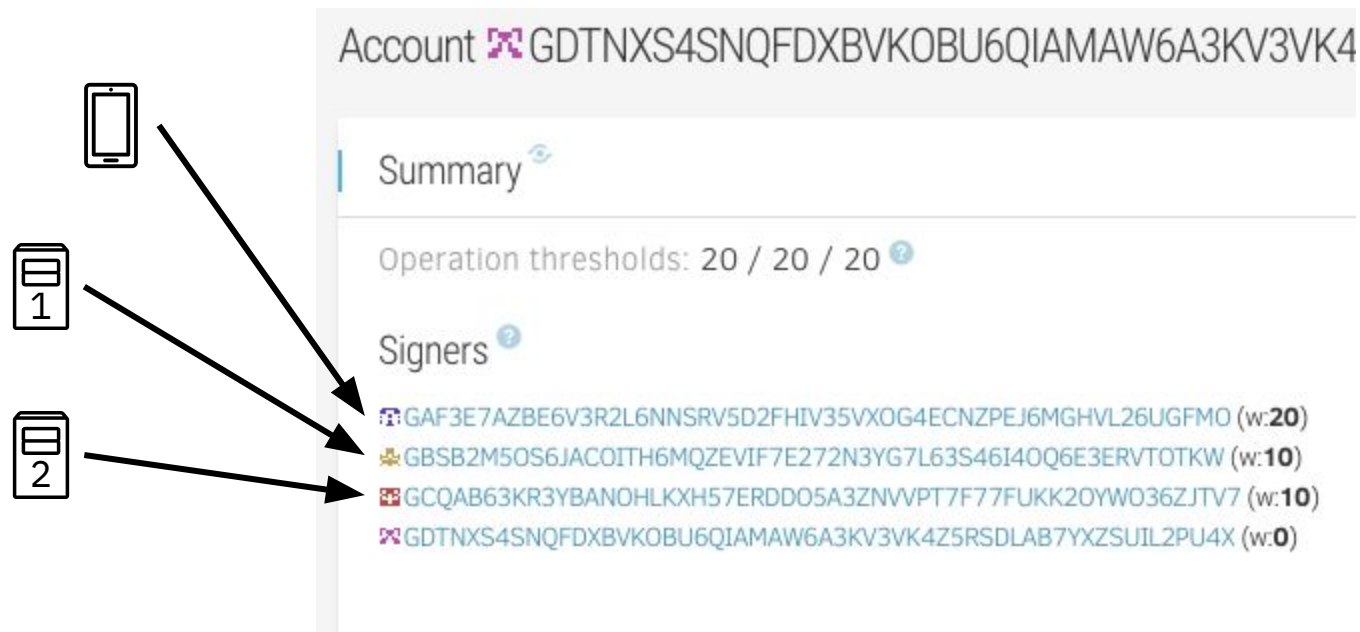


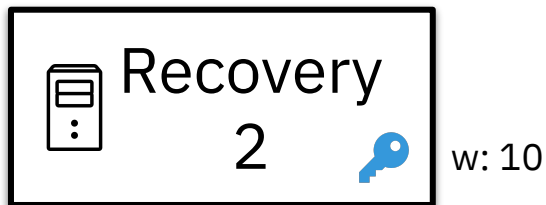
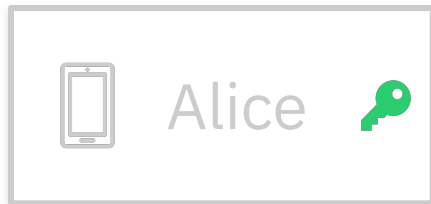


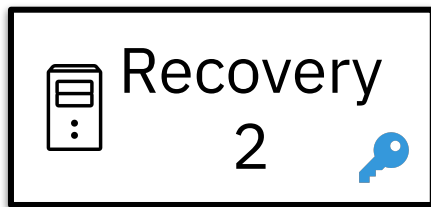
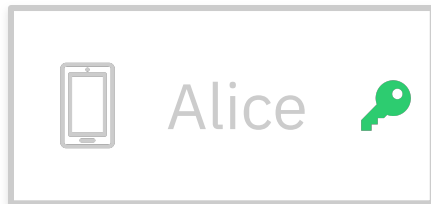




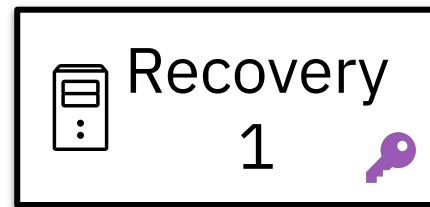




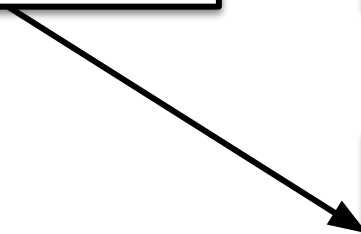
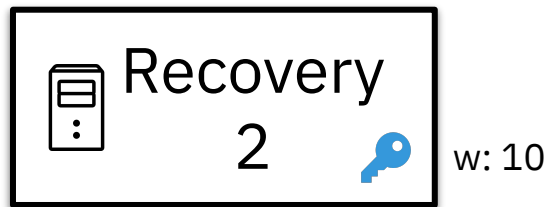


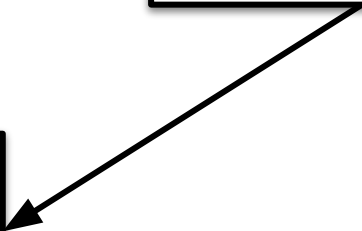
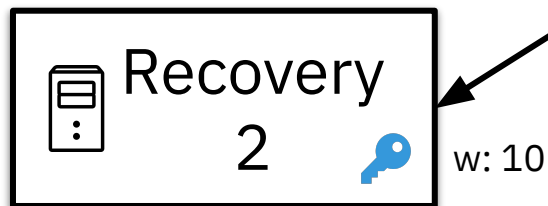


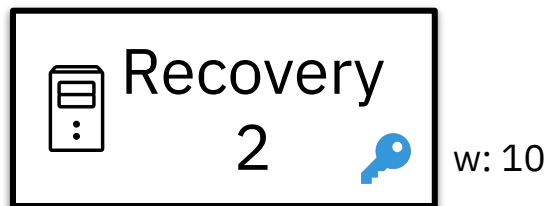
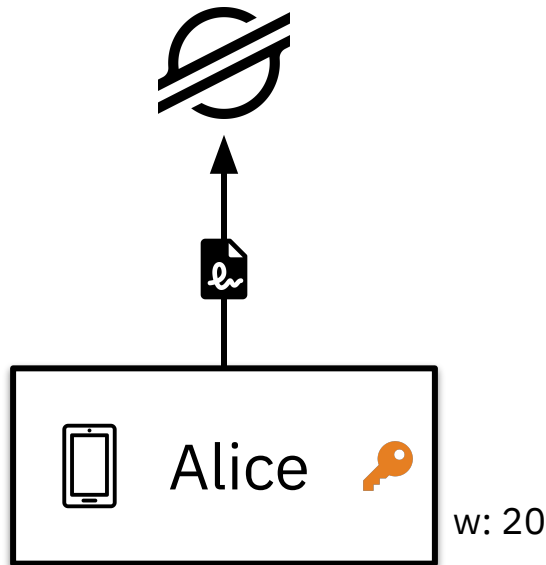
w: 10

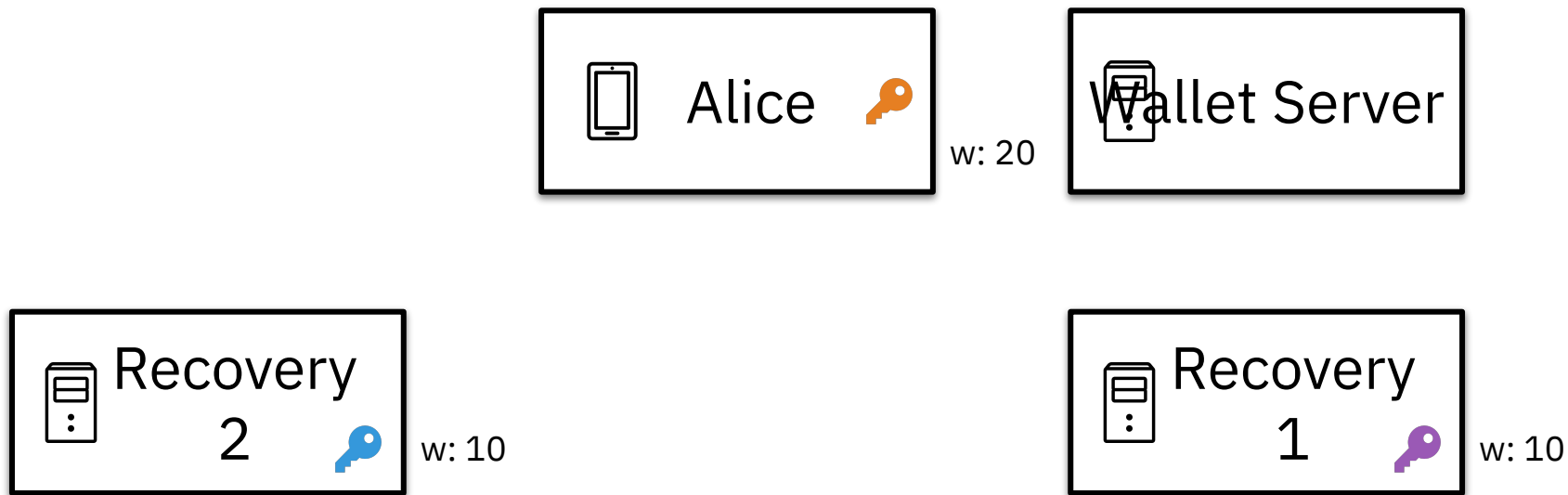


w: 10









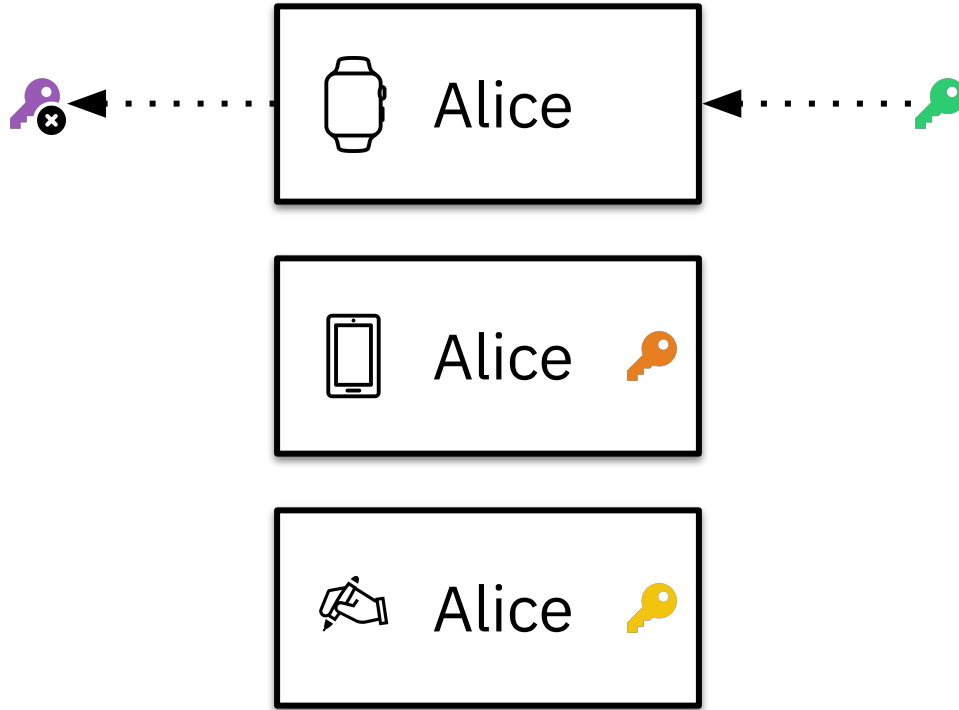


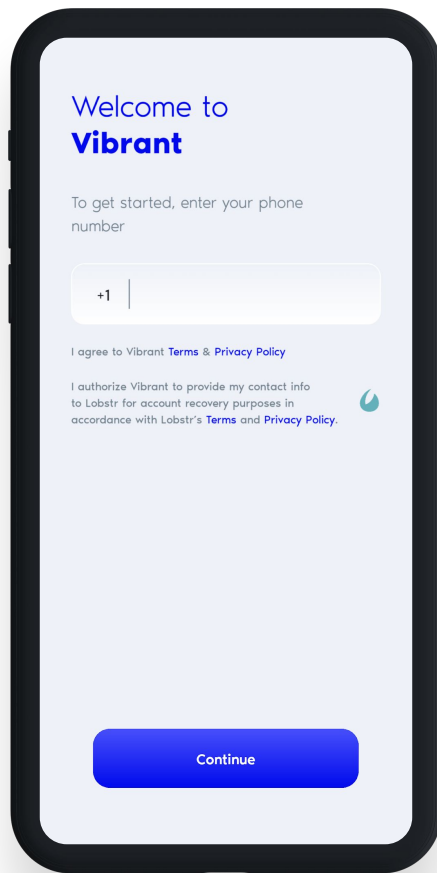
Why SEP-30?











Learn More

github.com/stellar/stellar-protocol/blob/master/ecosystem/sep-0030.md

groups.google.com/d/topic/stellar-dev/SFr2dHBZlsY