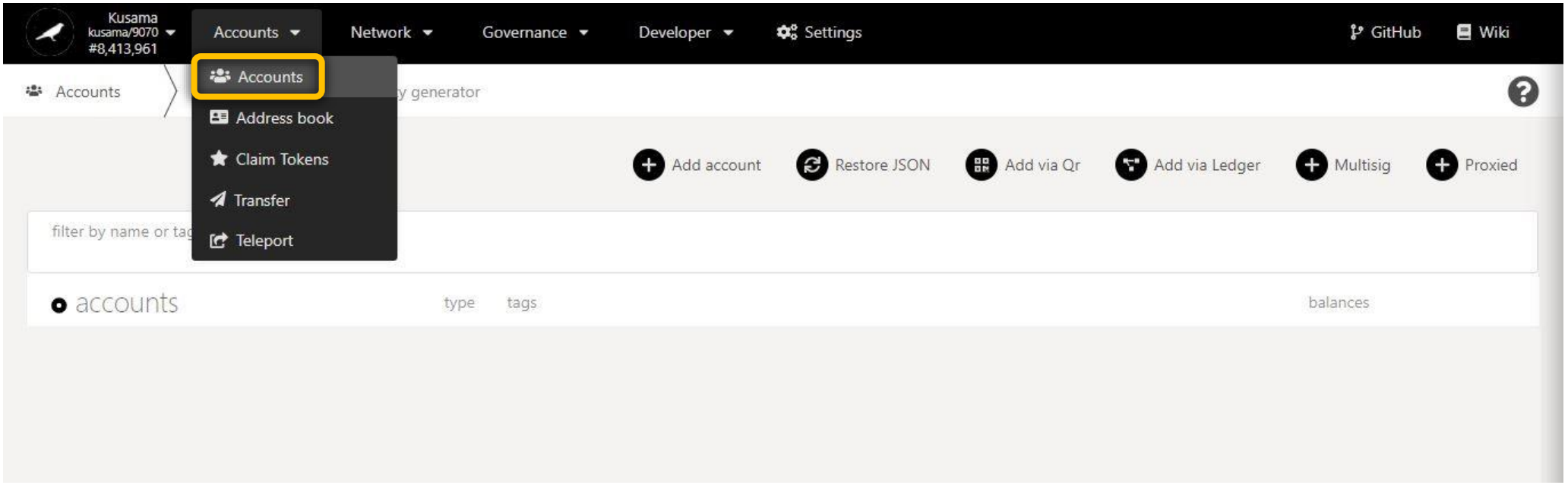
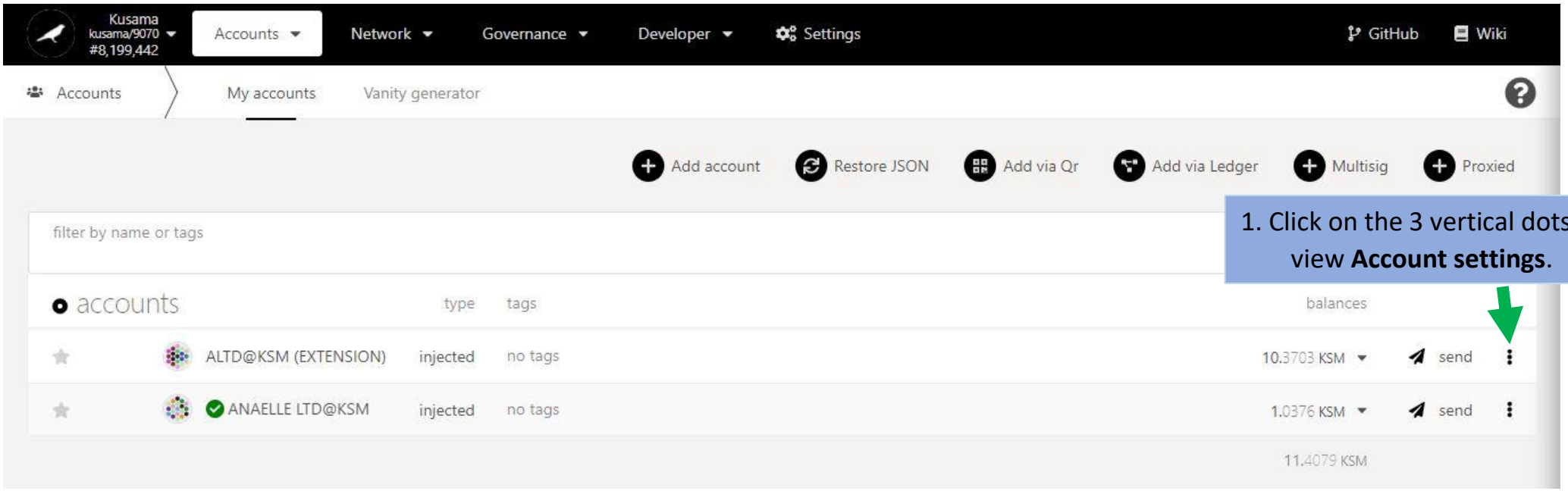
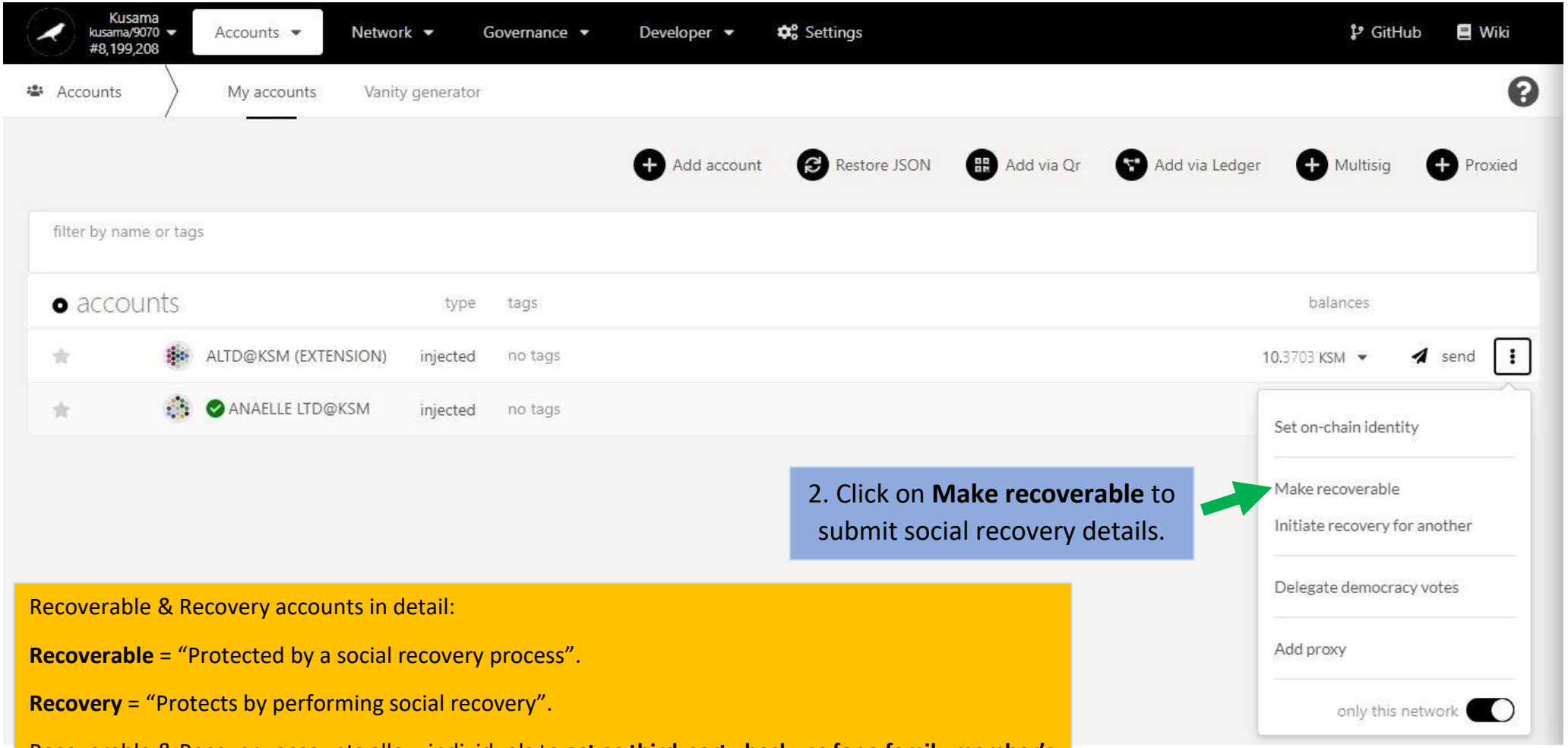
PART VI: Accounts (Advanced)

1. **Account recovery:** Set up recoverable and recovery accounts.



a) Make an account recoverable.





2. Click on **Make recoverable** to submit social recovery details.

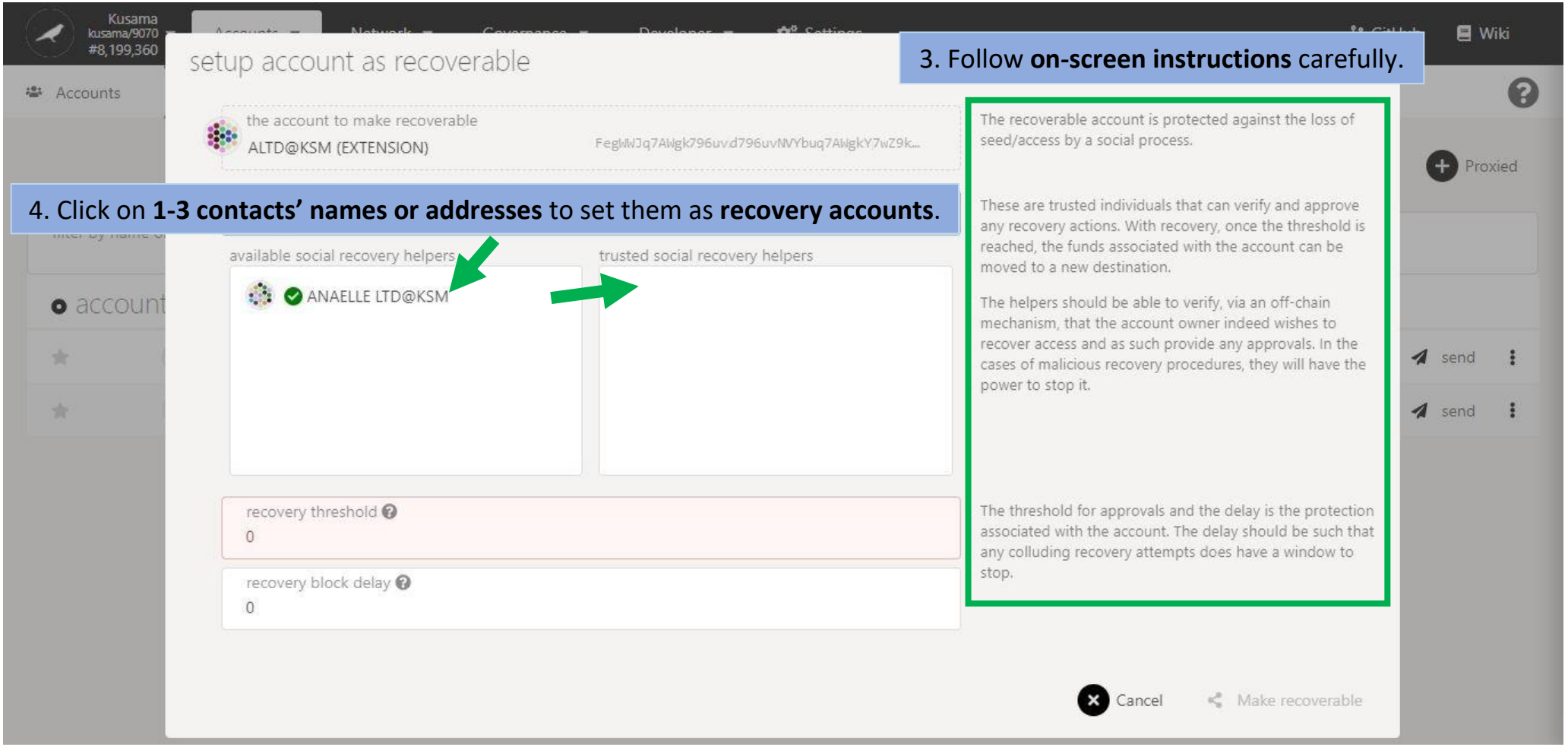
Recoverable & Recovery accounts in detail:

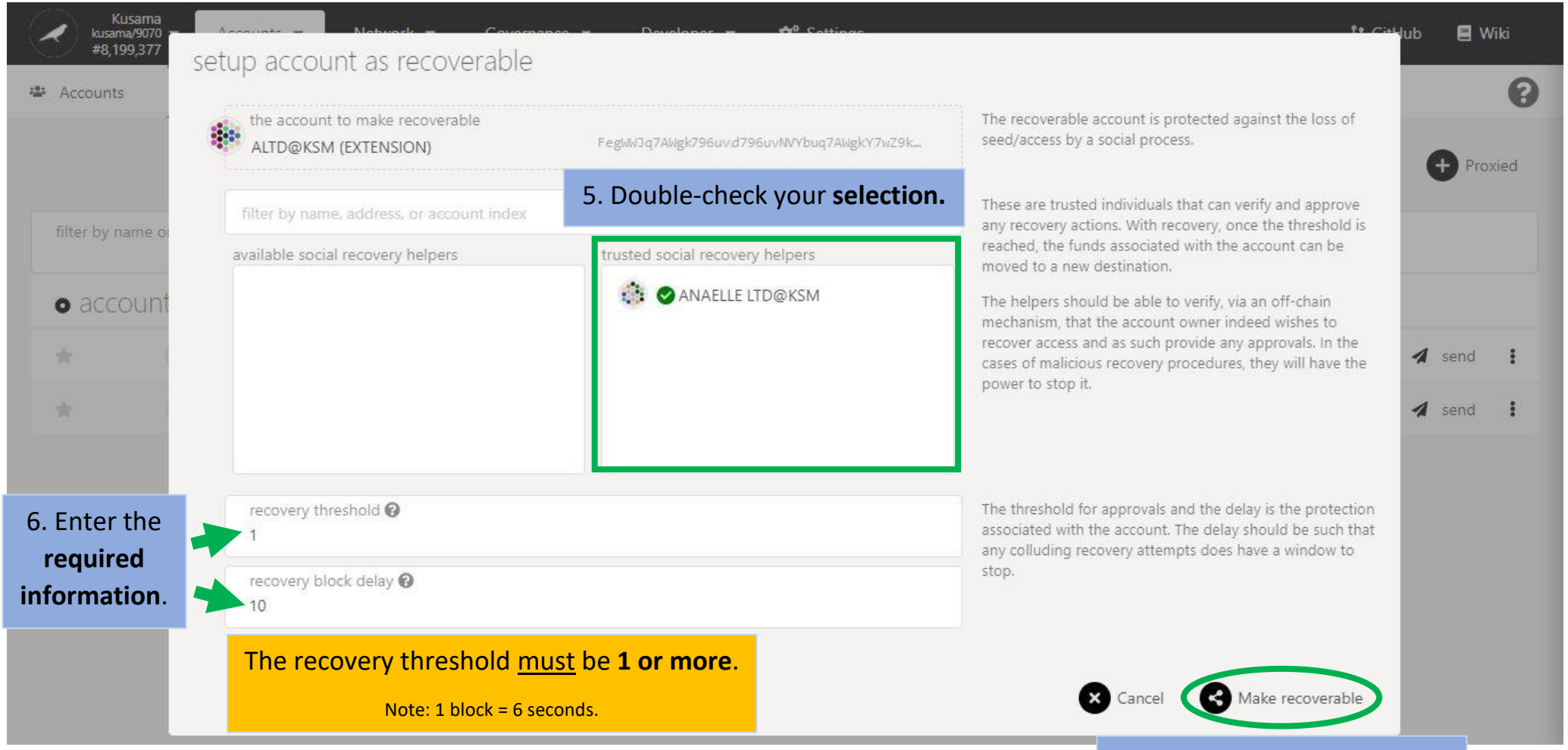
Recoverable = "Protected by a social recovery process".

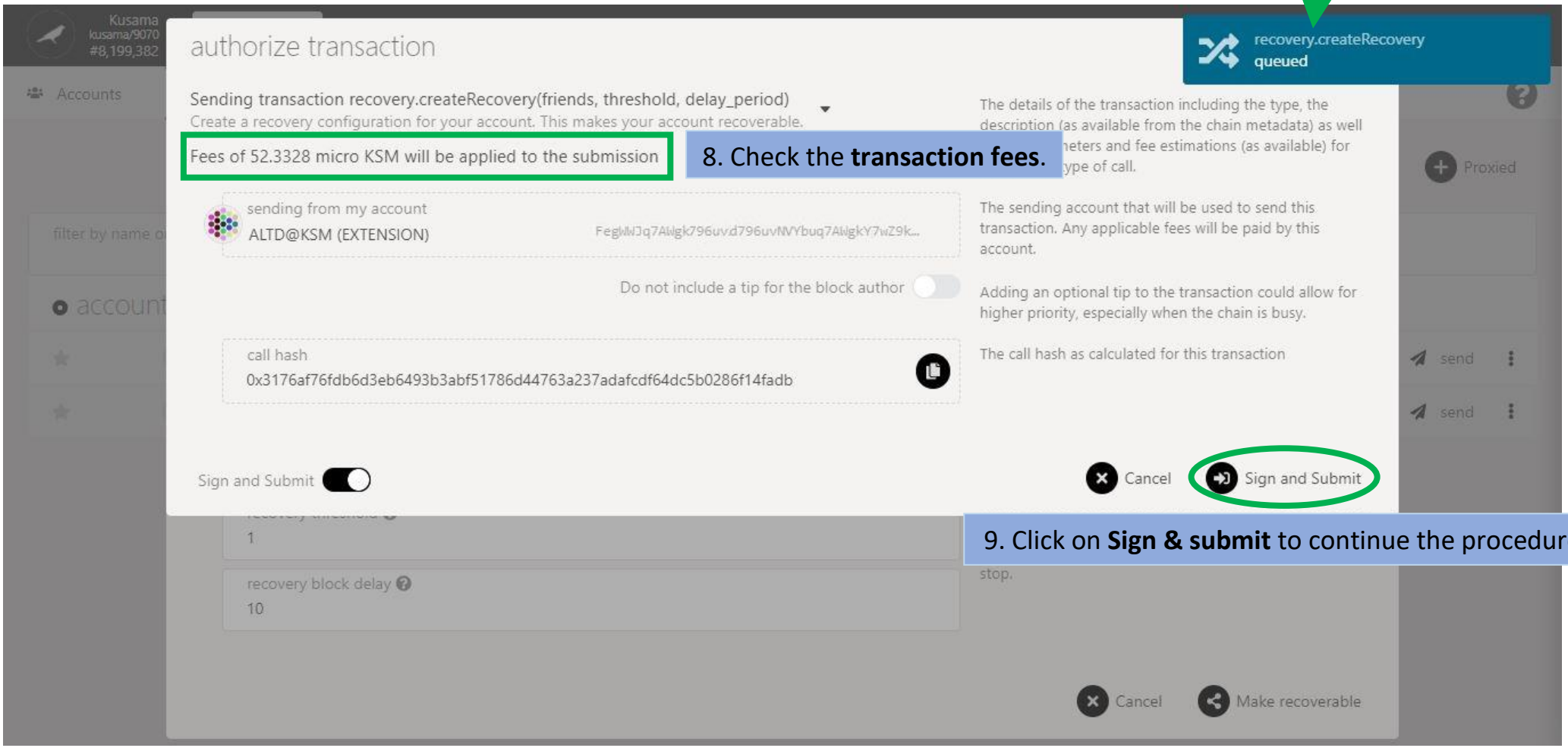
Recovery = "Protects by performing social recovery".

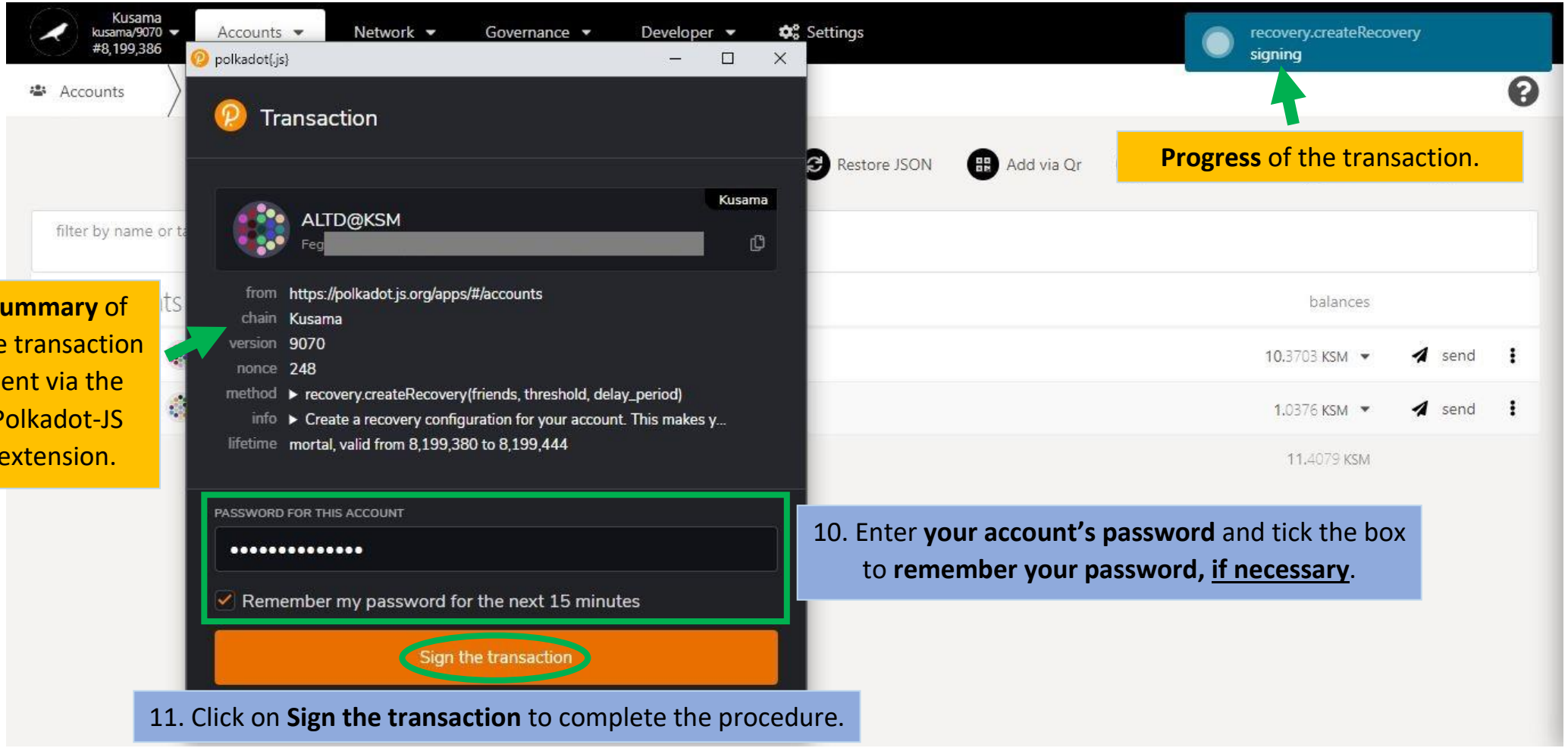
Recoverable & Recovery accounts allow individuals to **act as third-party backups for a family member's or a peer's account and regain access to this account** in case the seed phrase/JSON file are lost.

The family member/peer must first **set up his/her account as recoverable** before you can **perform recovery for the account**.

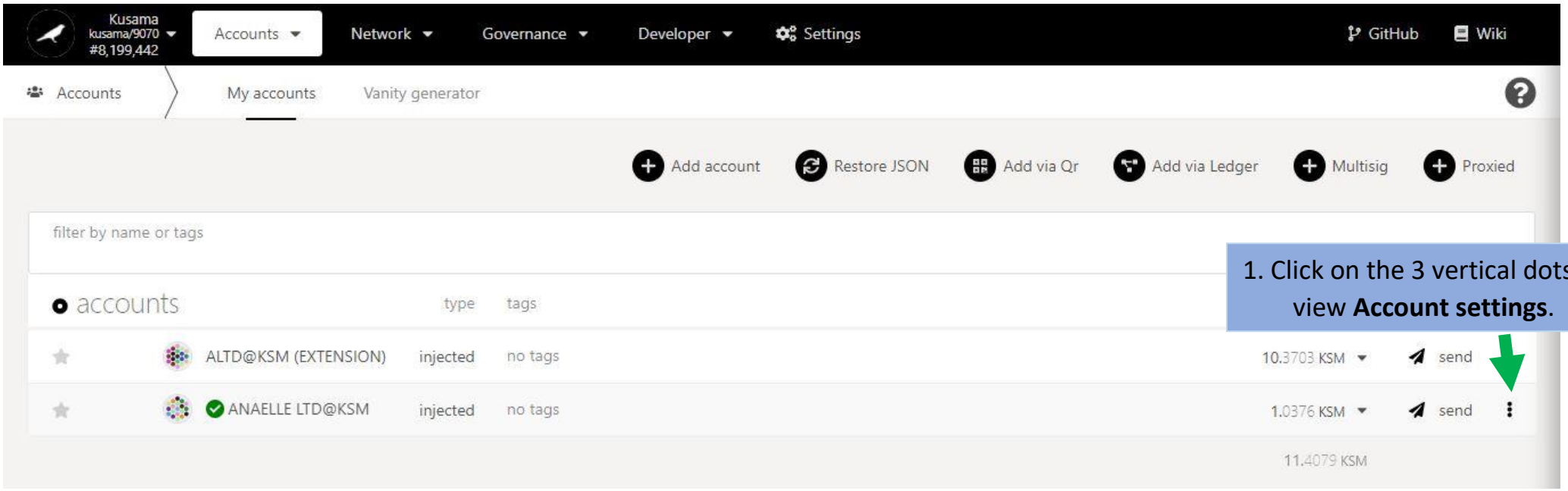

Kusama
kusama/9070
#8,199,360
Wiki
Accounts
setup account as recoverable
3. Follow **on-screen instructions** carefully.
the account to make recoverable
ALTD@KSM (EXTENSION)
FegWJq7AWgk796uvd796uvNVYbuq7AWgkY7wZ9k...
The recoverable account is protected against the loss of seed/access by a social process.
4. Click on **1-3 contacts' names or addresses** to set them as **recovery accounts**.
These are trusted individuals that can verify and approve any recovery actions. With recovery, once the threshold is reached, the funds associated with the account can be moved to a new destination.
available social recovery helpers
trusted social recovery helpers
ANAELLE LTD@KSM
The helpers should be able to verify, via an off-chain mechanism, that the account owner indeed wishes to recover access and as such provide any approvals. In the cases of malicious recovery procedures, they will have the power to stop it.
recovery threshold
0
recovery block delay
0
The threshold for approvals and the delay is the protection associated with the account. The delay should be such that any colluding recovery attempts does have a window to stop.
Cancel
Make recoverable
Proxied
send
send

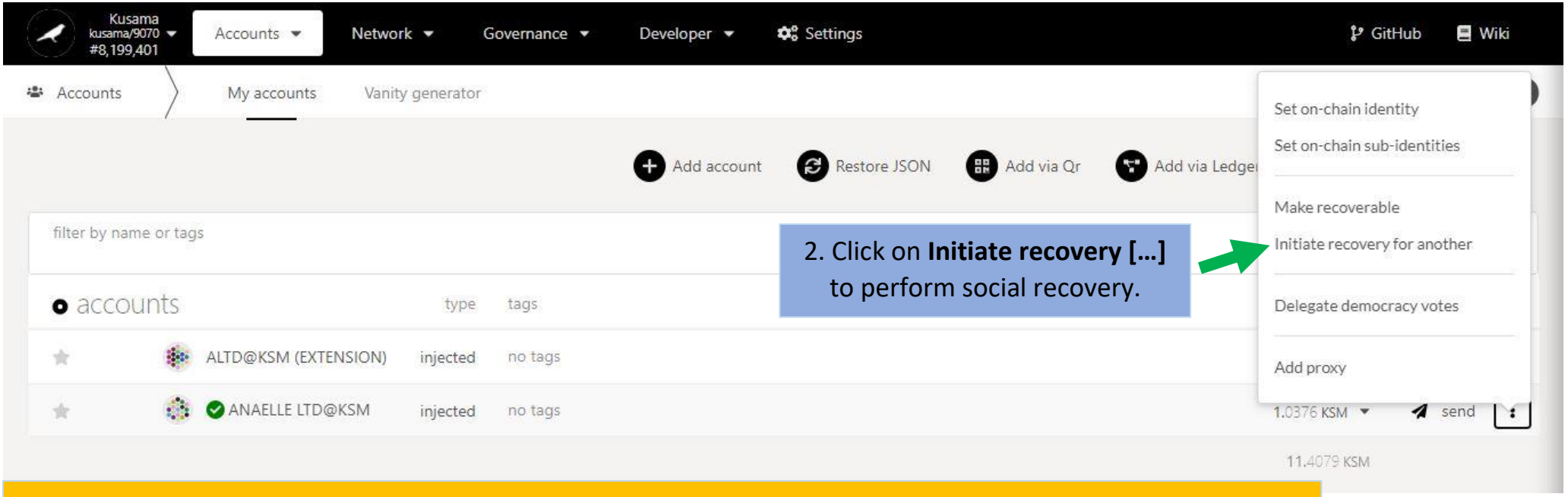

setup account as recoverable
the account to make recoverable
ALTD@KSM (EXTENSION)
FegWJq7AWgk796uvd796uvNVYbuq7AWgkY7wZ9k...
The recoverable account is protected against the loss of seed/access by a social process.
5. Double-check your **selection.**
filter by name, address, or account index
available social recovery helpers
trusted social recovery helpers
ANAELLE LTD@KSM
These are trusted individuals that can verify and approve any recovery actions. With recovery, once the threshold is reached, the funds associated with the account can be moved to a new destination.
The helpers should be able to verify, via an off-chain mechanism, that the account owner indeed wishes to recover access and as such provide any approvals. In the cases of malicious recovery procedures, they will have the power to stop it.
6. Enter the **required information**.
recovery threshold
1
recovery block delay
10
The threshold for approvals and the delay is the protection associated with the account. The delay should be such that any colluding recovery attempts does have a window to stop.
The recovery threshold must be **1 or more**.
Note: 1 block = 6 seconds.
Cancel
Make recoverable
7. Click on **Make recoverable** to continue the procedure.


Nature of the transaction.
recovery.createRecovery
queued
authorize transaction
Sending transaction recovery.createRecovery(friends, threshold, delay_period)
Create a recovery configuration for your account. This makes your account recoverable.
Fees of 52.3328 micro KSM will be applied to the submission
8. Check the transaction fees.
sending from my account
ALTD@KSM (EXTENSION)
The sending account that will be used to send this transaction. Any applicable fees will be paid by this account.
Do not include a tip for the block author
Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.
call hash
0x3176af76fdb6d3eb6493b3abf51786d44763a237adafcdf64dc5b0286f14fadb
The call hash as calculated for this transaction
Sign and Submit
Cancel
Sign and Submit
9. Click on Sign & submit to continue the procedure.
recovery block delay
10
Cancel
Make recoverable


Kusama
kusama/9070
#8,199,386
Accounts
Network
Governance
Developer
Settings
recovery.createRecovery
signing
Accounts
Restore JSON
Add via Qr
Progress of the transaction.
polkadot{.js}
Transaction
Kusama
ALTD@KSM
from https://polkadot.js.org/apps/#/accounts
chain Kusama
version 9070
nonce 248
method ▶ recovery.createRecovery(friends, threshold, delay_period)
info ▶ Create a recovery configuration for your account. This makes y...
lifetime mortal, valid from 8,199,380 to 8,199,444
Summary of the transaction sent via the Polkadot-JS extension.
balances
10.3703 KSM
send
1.0376 KSM
send
11.4079 KSM
PASSWORD FOR THIS ACCOUNT
Remember my password for the next 15 minutes
Sign the transaction
10. Enter your account's password and tick the box to remember your password, if necessary.
11. Click on Sign the transaction to complete the procedure.

b) Initiate account recovery.

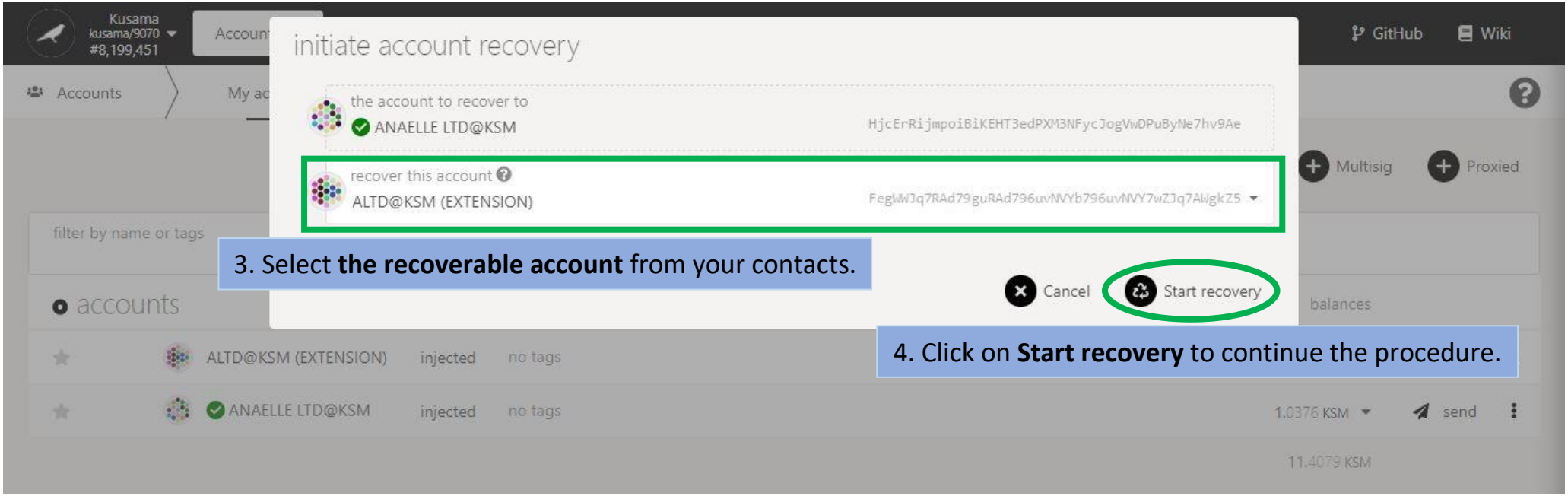




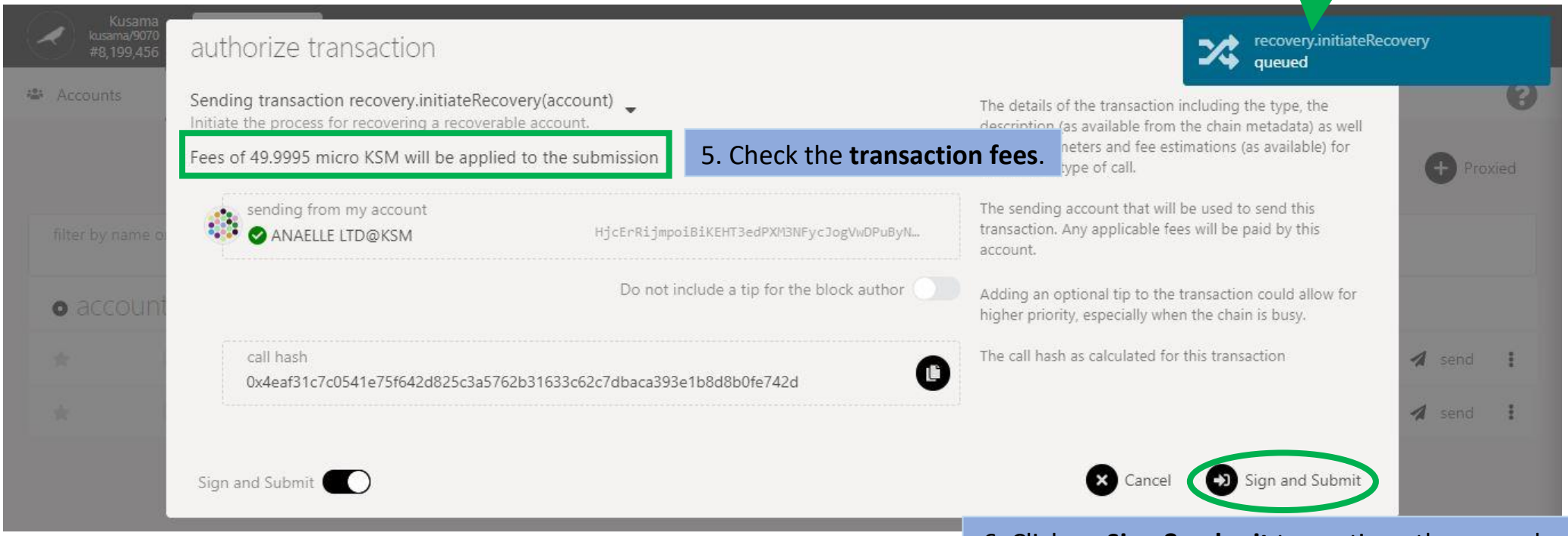
REMINDER:

Recoverable account = An account protected by a social recovery process in case the backups (i.e Seed phrase/JSON file) are lost.

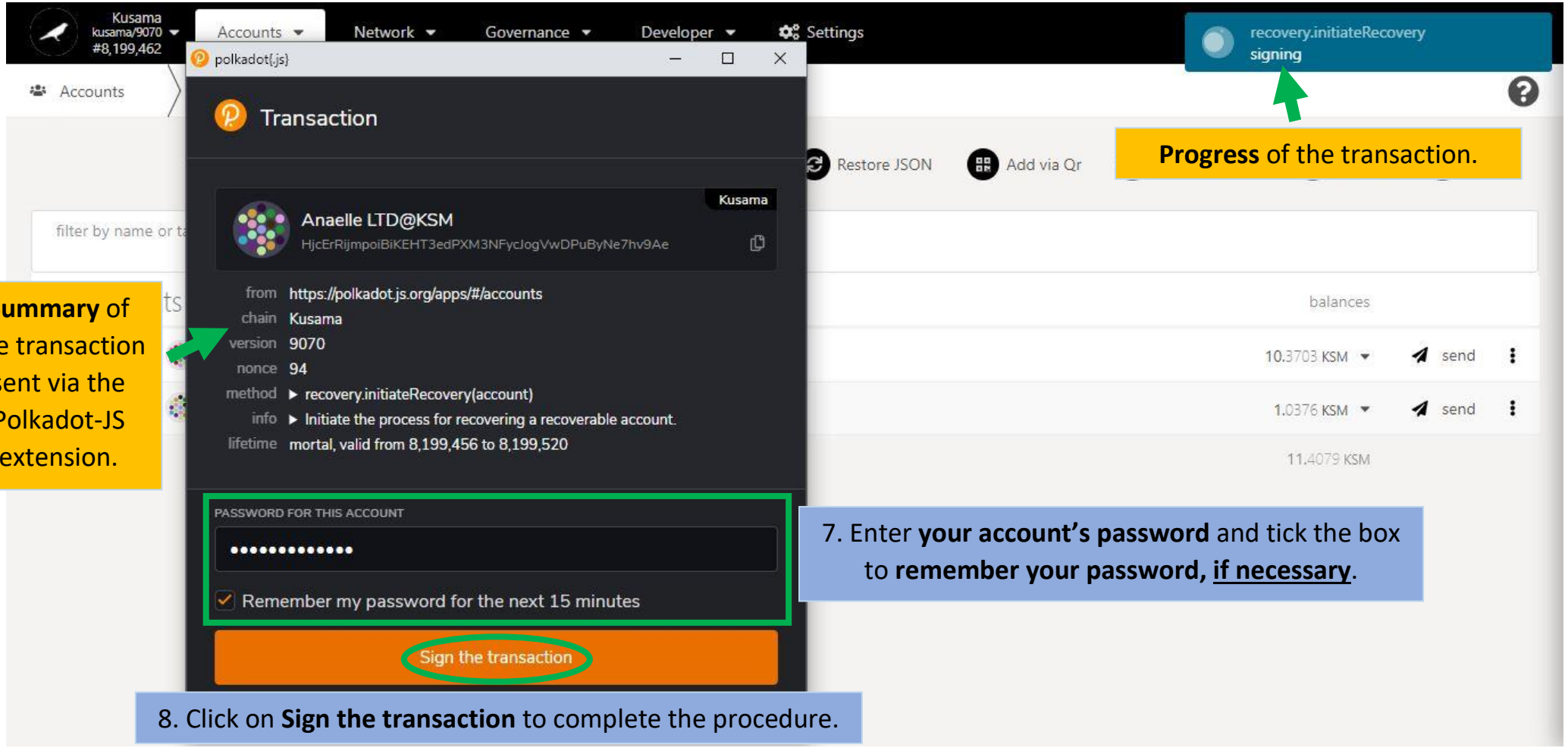
Account recovery = Performing social recovery so that a third party can regain access to his/her account without backups.


Kusama
kusama/9070
#8,199,451
GitHub
Wiki
Accounts
initiate account recovery
the account to recover to
ANAELLE LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByNe7hv9Ae
recover this account
ALTD@KSM (EXTENSION)
FegWWJq7RAd79guRAd796uvNVYb796uvNVY7wZJq7AWgkZ5
Multisig
Proxied
filter by name or tags
3. Select **the recoverable account** from your contacts.
Cancel
Start recovery
accounts
balances
ALTD@KSM (EXTENSION)
injected
no tags
4. Click on **Start recovery** to continue the procedure.
ANAELLE LTD@KSM
injected
no tags
1.0376 KSM
send
11.4079 KSM

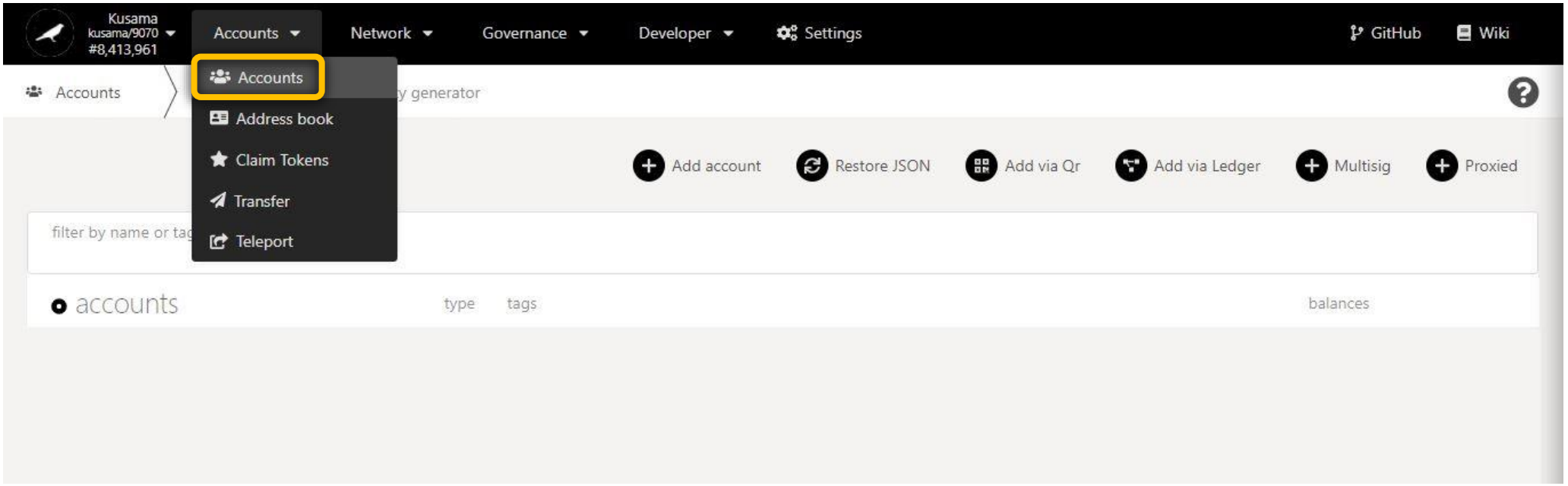
Nature of the transaction.



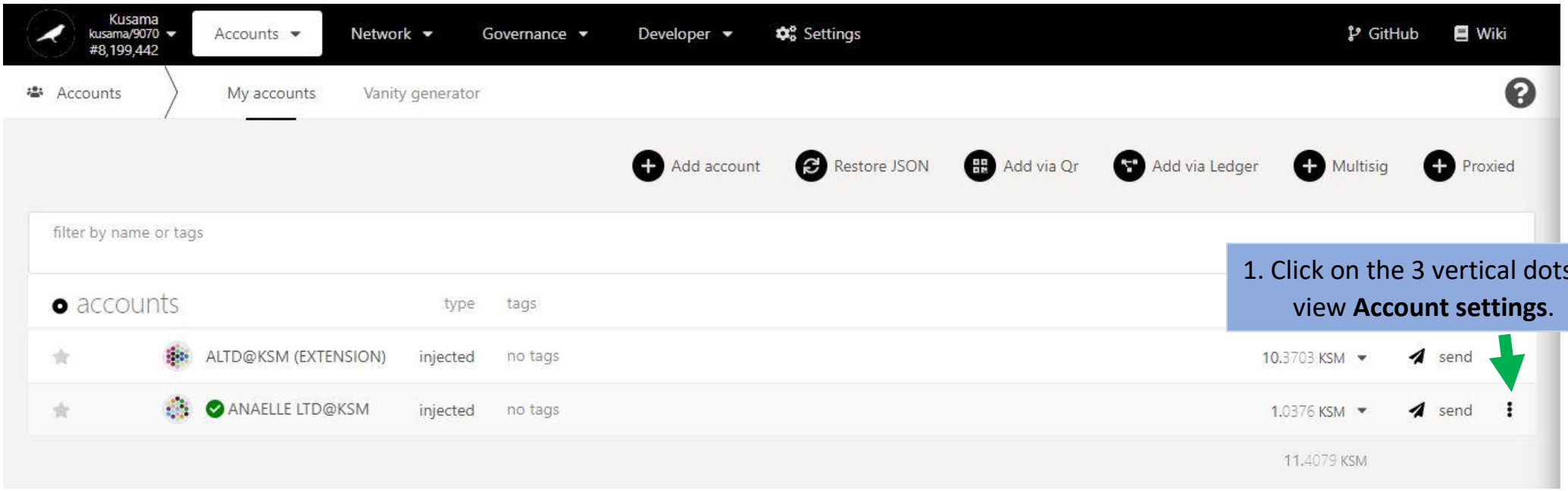
6. Click on **Sign & submit** to continue the procedure.

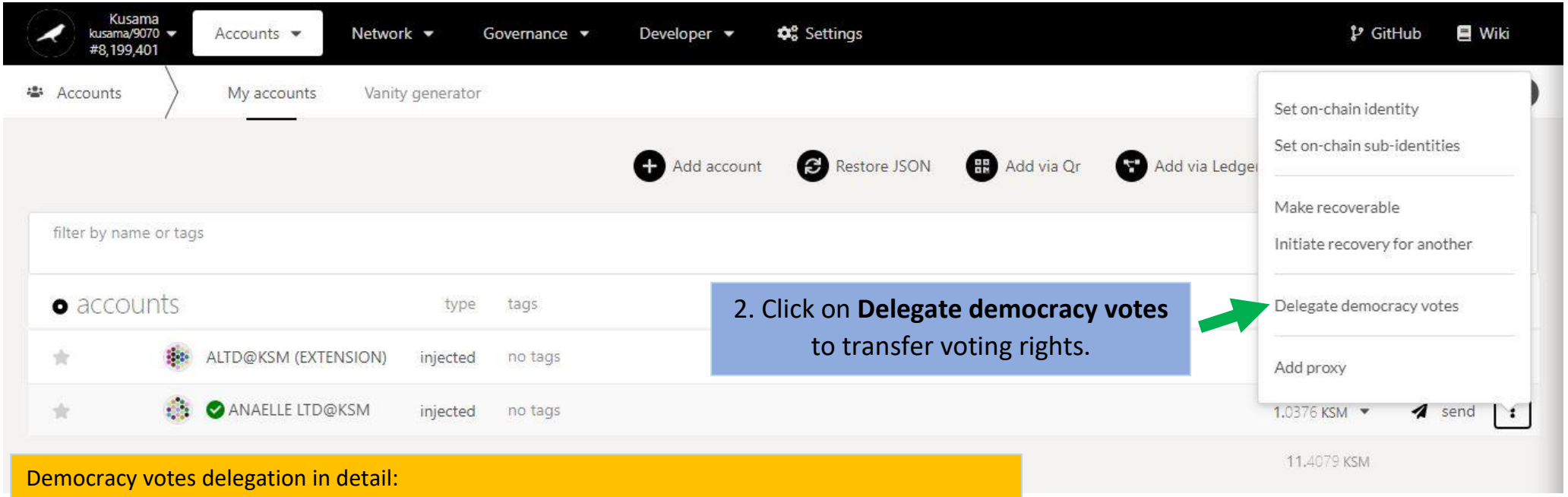

Kusama
kusama/9070
#8,199,462
Accounts
Network
Governance
Developer
Settings
recovery.initiateRecovery
signing
Accounts
Restore JSON
Add via Qr
Progress of the transaction.
balances
10.3703 KSM
send
1.0376 KSM
send
11.4079 KSM
polkadot{.js}
Transaction
Kusama
Anaelle LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByNe7hv9Ae
from https://polkadot.js.org/apps/#/accounts
chain Kusama
version 9070
nonce 94
method ▶ recovery.initiateRecovery(account)
info ▶ Initiate the process for recovering a recoverable account.
lifetime mortal, valid from 8,199,456 to 8,199,520
PASSWORD FOR THIS ACCOUNT
Remember my password for the next 15 minutes
Sign the transaction
Summary of the transaction sent via the Polkadot-JS extension.
7. Enter your account's password and tick the box to remember your password, if necessary.
8. Click on Sign the transaction to complete the procedure.

2. **Democracy delegation:** Set up votes delegation.



a) Delegate democracy votes.



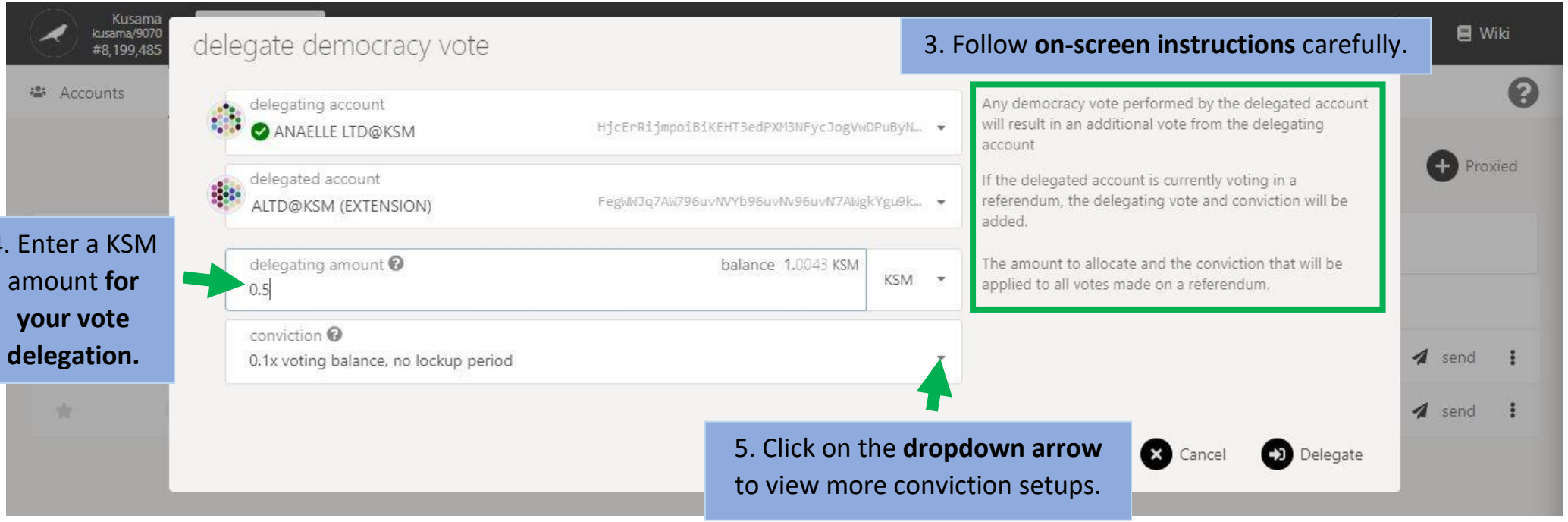


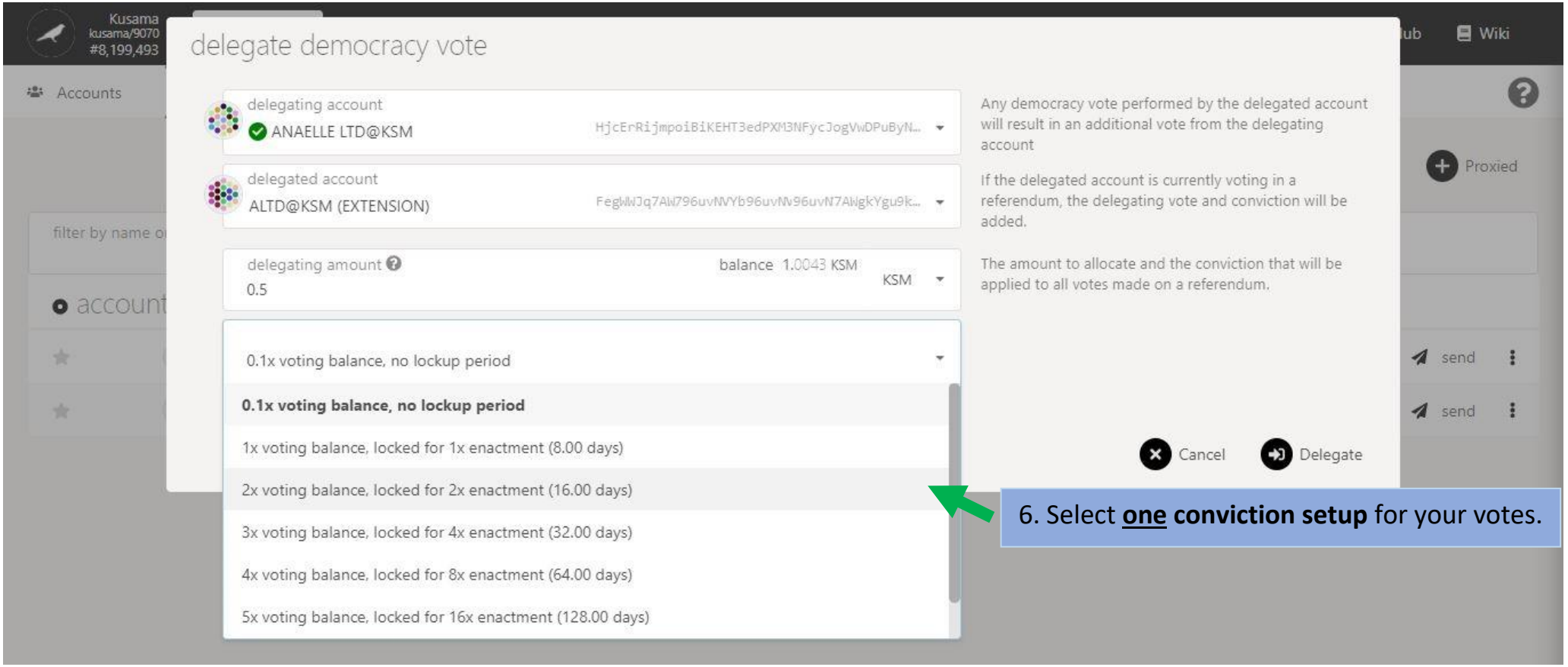
Democracy votes delegation in detail:

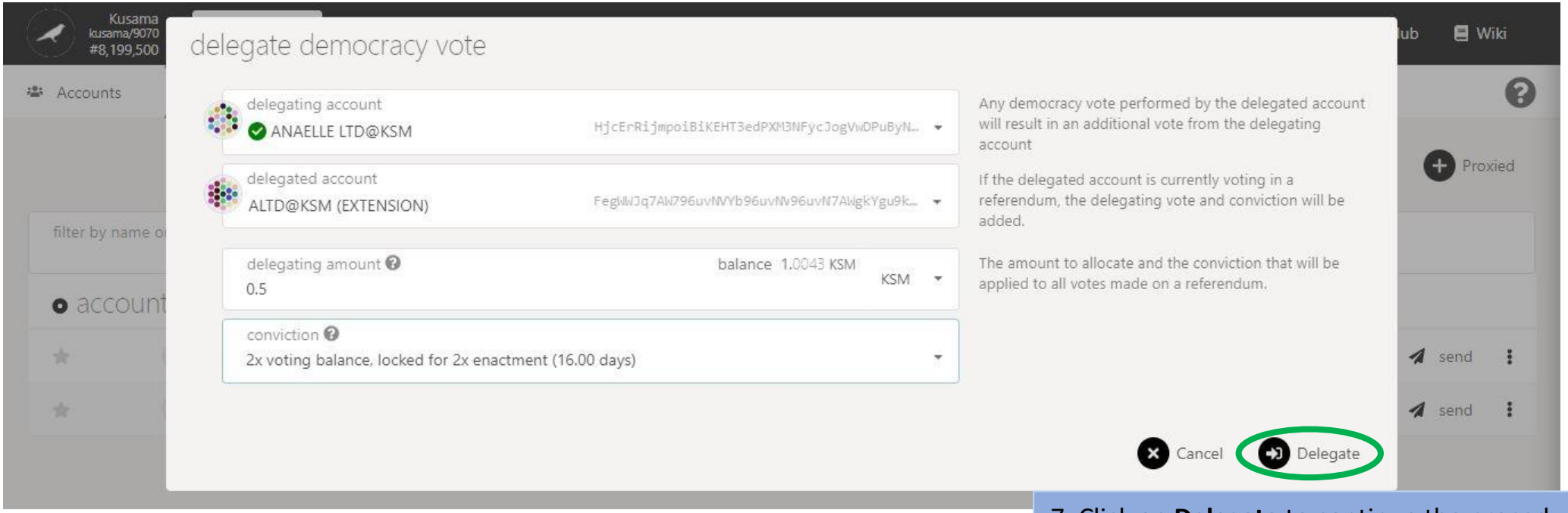
Democracy votes delegation allows individuals to **transfer/pool their voting power** under a single account for all governance elections (i.e referenda and council).

The **vote value and conviction** defined by the delegating account will be applied in all elections, and the **corresponding lock period will need to be cleared after undelegation**.

The delegating account must first **set up the delegation** before you can **perform delegated voting**.

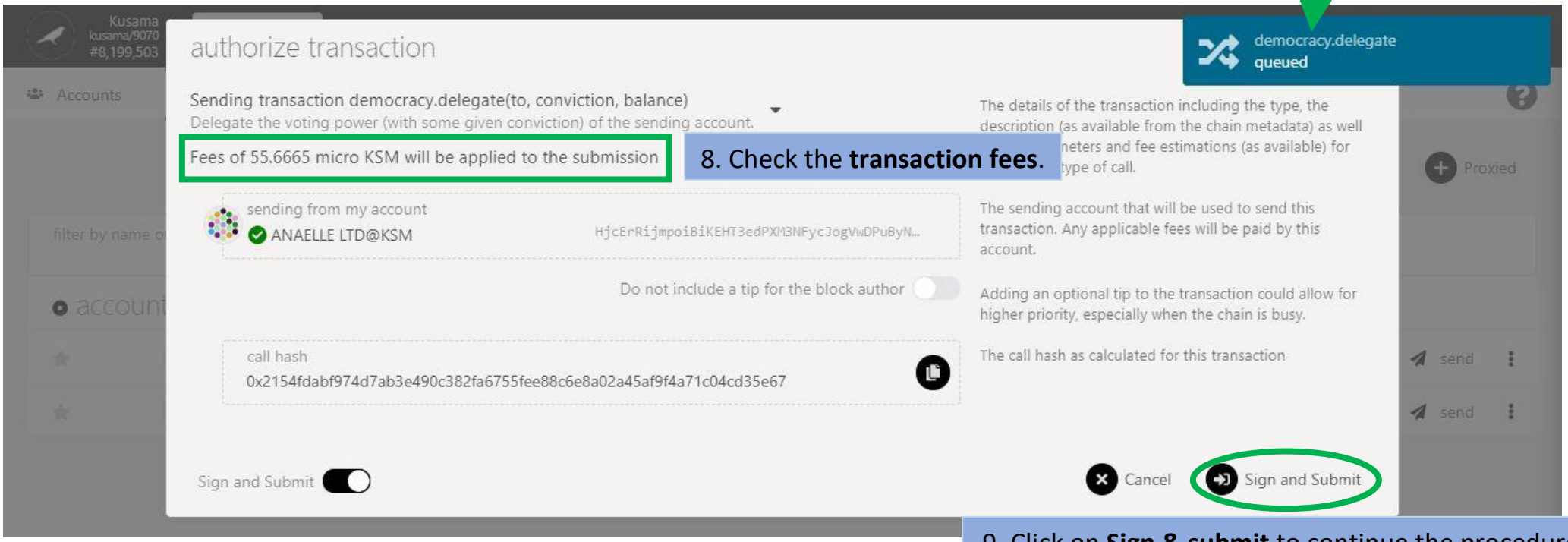

Kusama
kusama/9070
#8,199,485
Wiki
Accounts
delegate democracy vote
3. Follow **on-screen instructions** carefully.
delegating account
ANAELLE LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByN...
delegated account
ALTD@KSM (EXTENSION)
FegWWJq7AW796uvNVYb96uvNv96uvN7AWgkYgu9k...
Any democracy vote performed by the delegated account will result in an additional vote from the delegating account
If the delegated account is currently voting in a referendum, the delegating vote and conviction will be added.
The amount to allocate and the conviction that will be applied to all votes made on a referendum.
Proxied
4. Enter a KSM amount **for your vote delegation.**
delegating amount
balance 1.0043 KSM
0.5
KSM
conviction
0.1x voting balance, no lockup period
send
send
5. Click on the **dropdown arrow** to view more conviction setups.
Cancel
Delegate


Kusama
kusama/9070
#8,199,493
Wiki
Accounts
delegate democracy vote
delegating account
ANAELLE LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByN...
delegated account
ALTD@KSM (EXTENSION)
FegWWJq7AW796uvNVYb96uvNv96uvN7AWgkYgu9k...
delegating amount
0.5
balance 1.0043 KSM
KSM
Any democracy vote performed by the delegated account will result in an additional vote from the delegating account
If the delegated account is currently voting in a referendum, the delegating vote and conviction will be added.
The amount to allocate and the conviction that will be applied to all votes made on a referendum.
0.1x voting balance, no lockup period
0.1x voting balance, no lockup period
1x voting balance, locked for 1x enactment (8.00 days)
2x voting balance, locked for 2x enactment (16.00 days)
3x voting balance, locked for 4x enactment (32.00 days)
4x voting balance, locked for 8x enactment (64.00 days)
5x voting balance, locked for 16x enactment (128.00 days)
Cancel
Delegate
Proxied
send
send
6. Select **one** **conviction setup** for your votes.

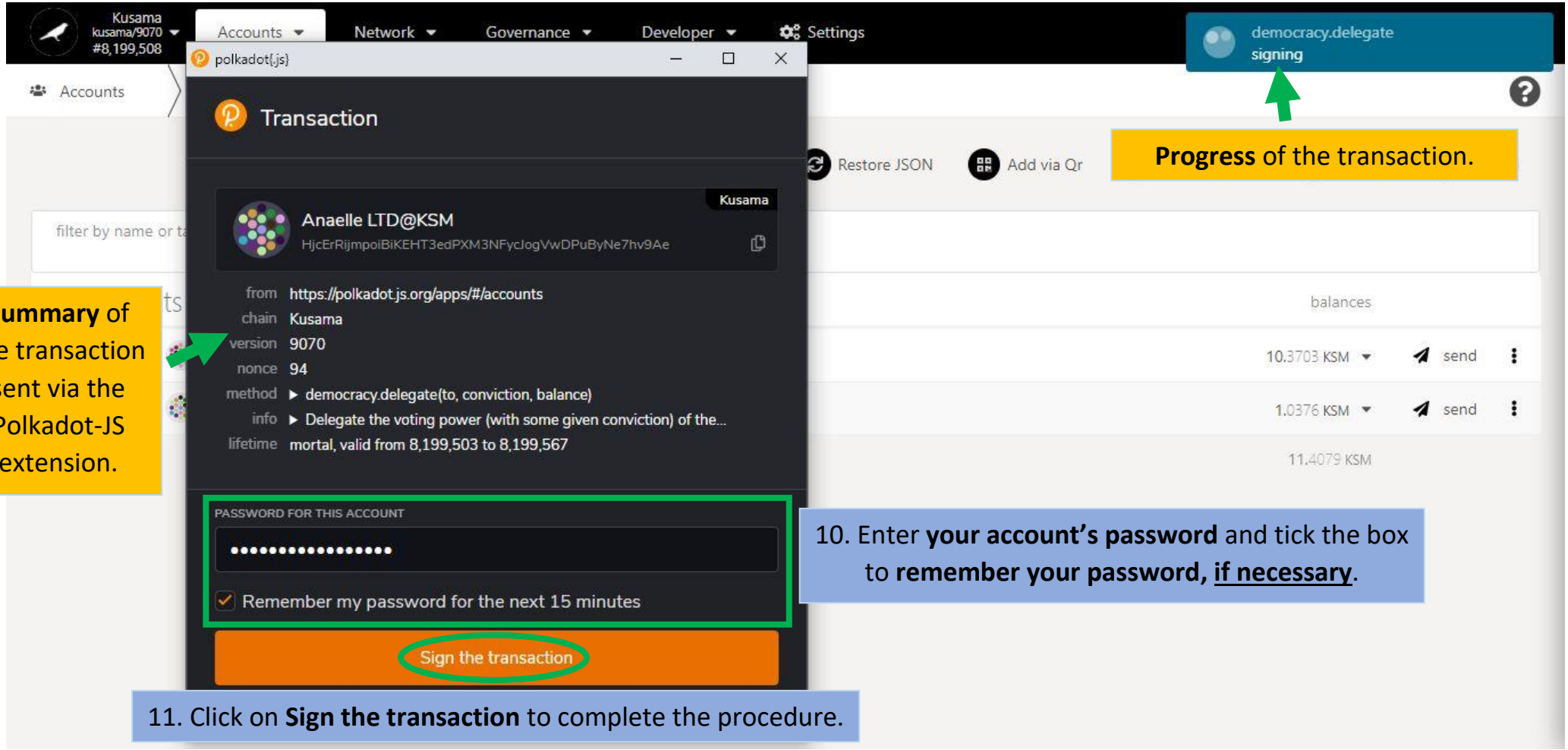


7. Click on **Delegate** to continue the procedure.

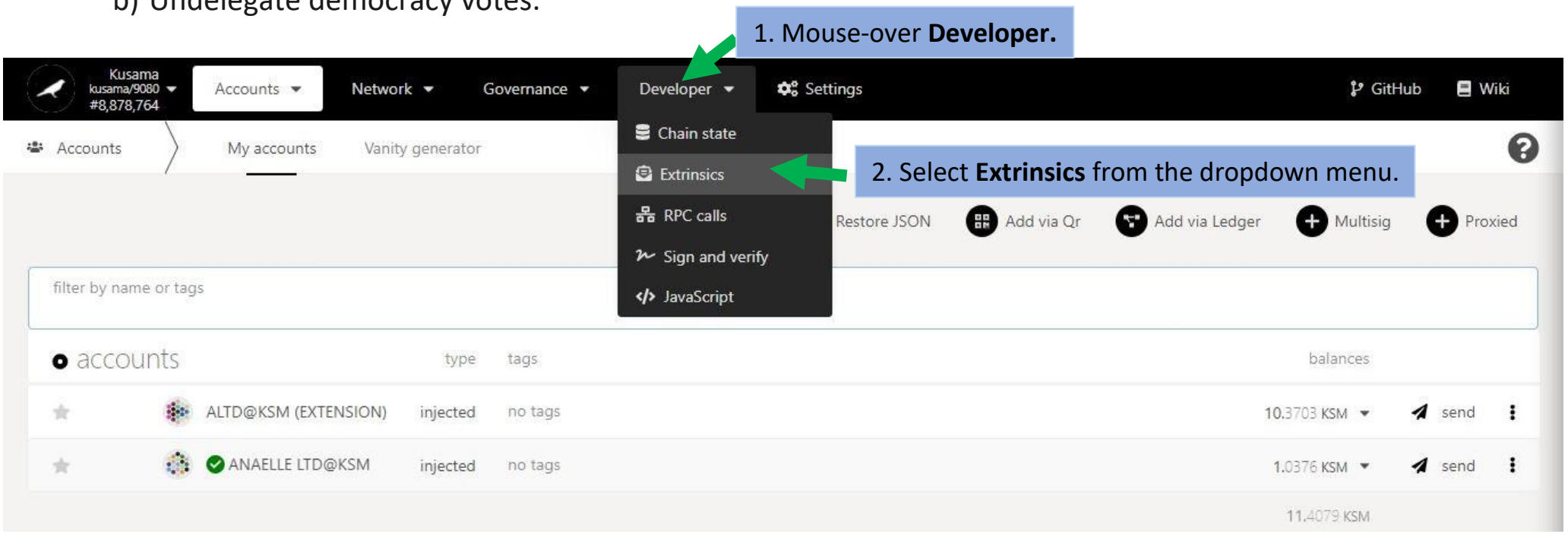
Nature of the transaction.

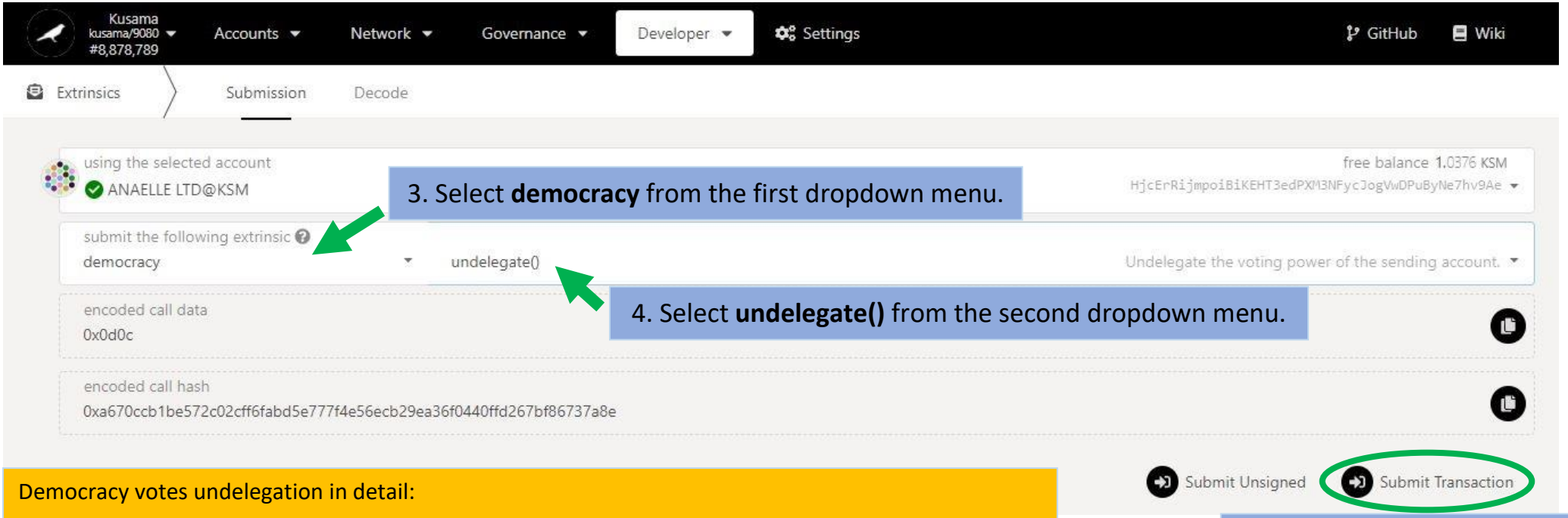


9. Click on **Sign & submit** to continue the procedure.


Kusama
kusama/9070
#8,199,508
Accounts
Network
Governance
Developer
Settings
democracy.delegate
signing
Progress of the transaction.
Restore JSON
Add via Qr
polkadot{.js}
Transaction
Kusama
Anaelle LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByNe7hv9Ae
from https://polkadot.js.org/apps/#/accounts
chain Kusama
version 9070
nonce 94
method ▶ democracy.delegate(to, conviction, balance)
info ▶ Delegate the voting power (with some given conviction) of the...
lifetime mortal, valid from 8,199,503 to 8,199,567
Summary of the transaction sent via the Polkadot-JS extension.
PASSWORD FOR THIS ACCOUNT
Remember my password for the next 15 minutes
Sign the transaction
balances
10.3703 KSM
send
1.0376 KSM
send
11.4079 KSM
10. Enter your account's password and tick the box to remember your password, if necessary.
11. Click on Sign the transaction to complete the procedure.

b) Undelegate democracy votes.





3. Select **democracy** from the first dropdown menu.

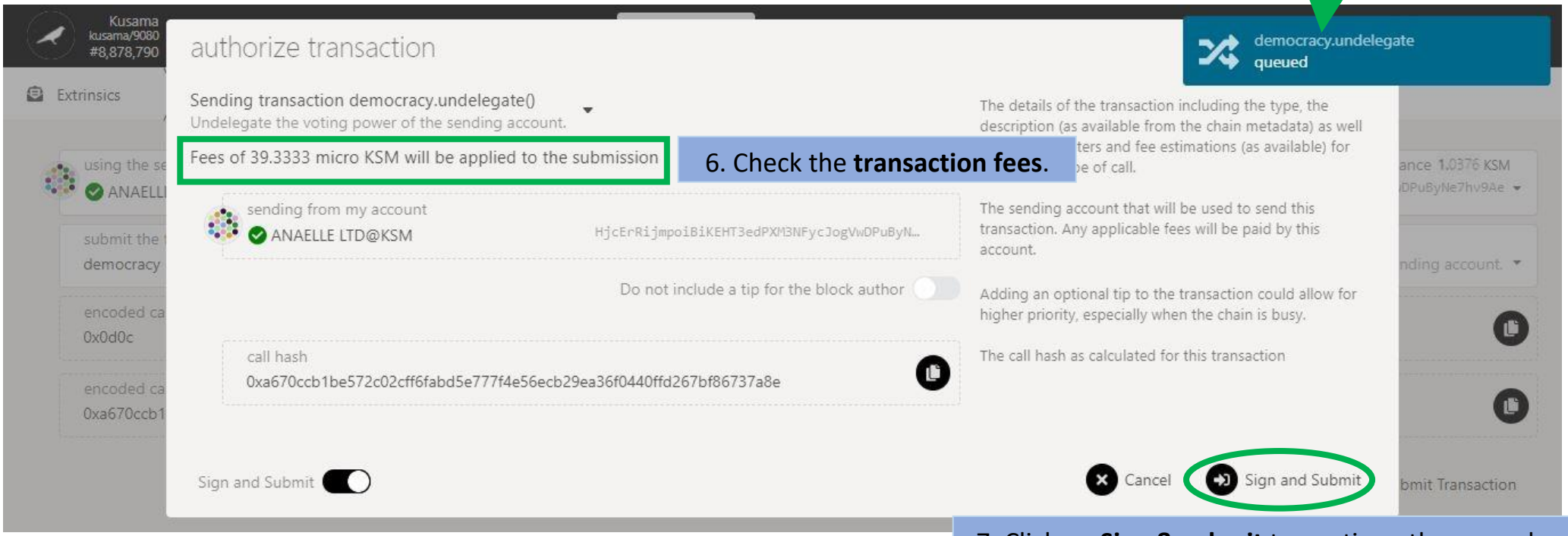
4. Select **undelegate()** from the second dropdown menu.

Democracy votes undelegation in detail:

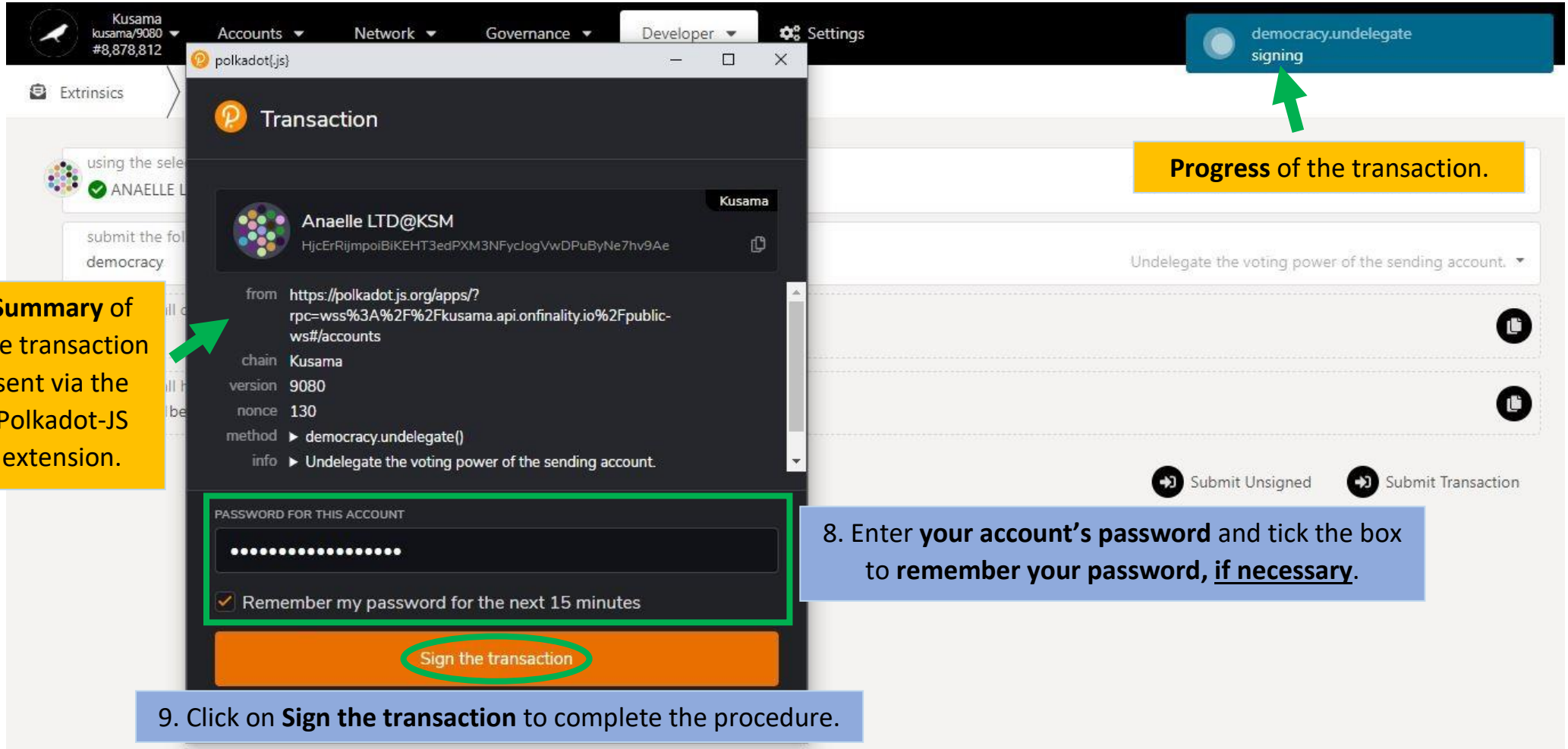
Democracy votes undelegation must be submitted by the delegating account. The voting balance can only be unlocked once the conviction lock period has expired.

5. Click on **Submit Transaction** to continue the procedure.

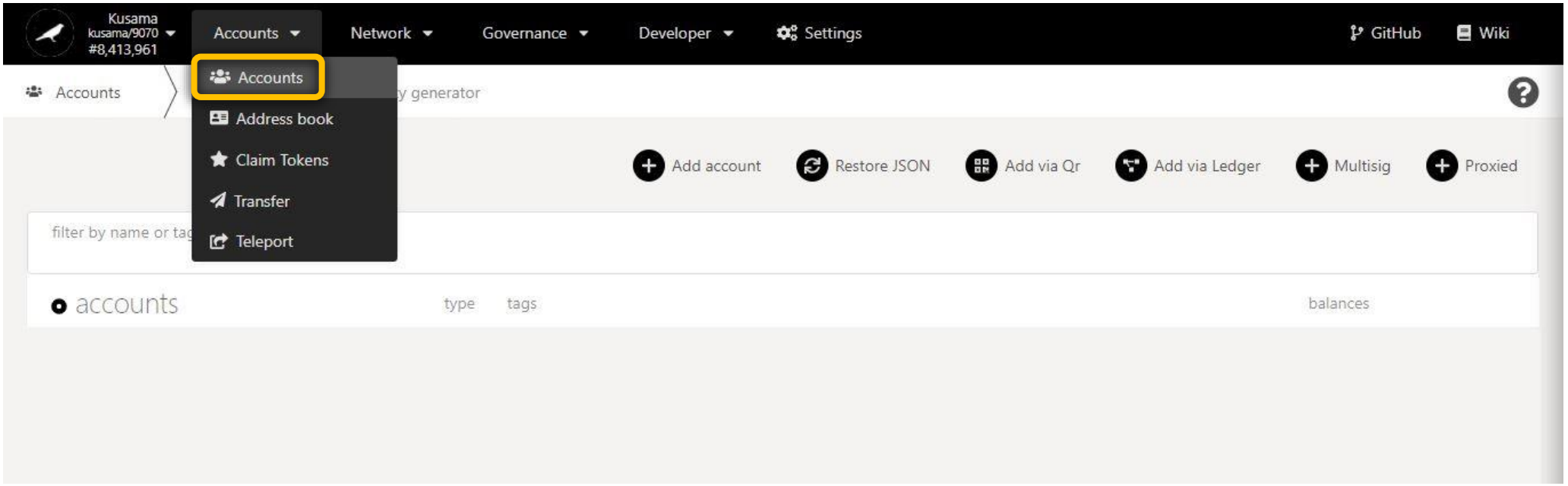
Nature of the transaction.



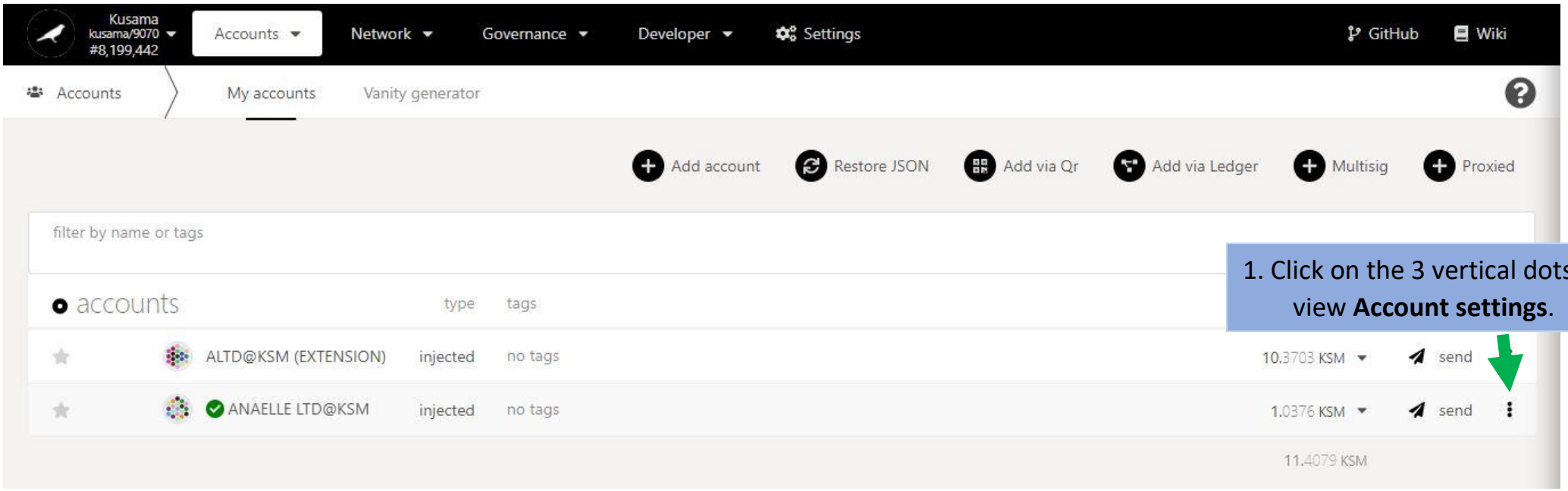
7. Click on **Sign & submit** to continue the procedure.

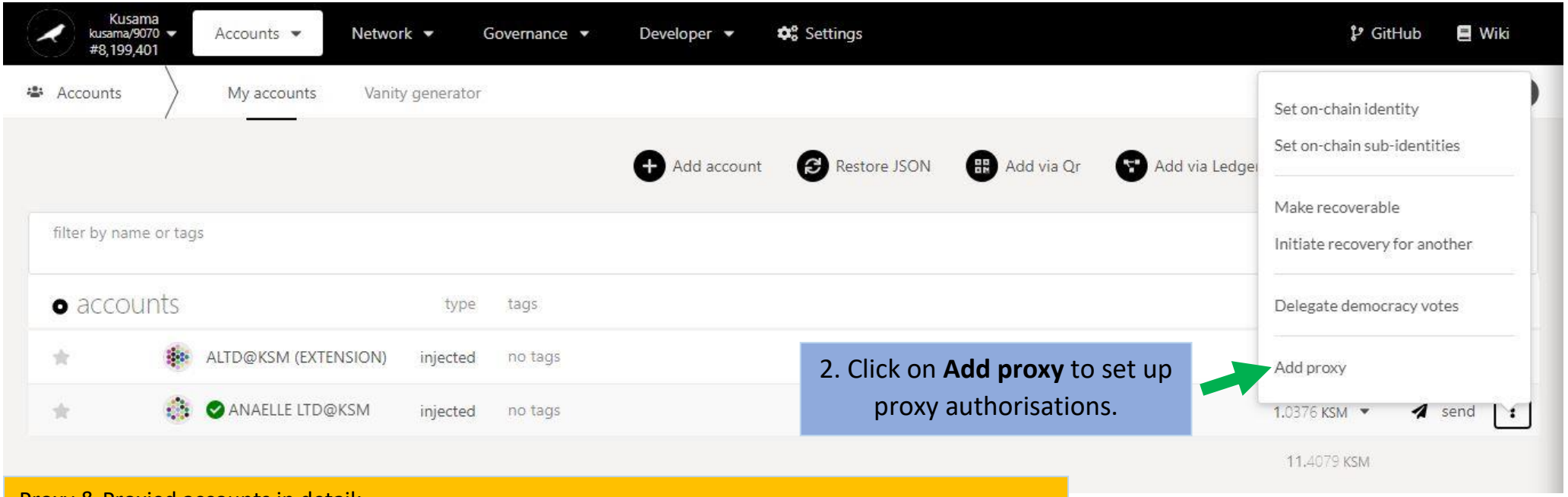

Kusama
kusama/9080
#8,878,812
Accounts
Network
Governance
Developer
Settings
democracy.undelegate
signing
Extrinsics
Progress of the transaction.
polkadot{.js}
Transaction
Kusama
Anaelle LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByNe7hv9Ae
from https://polkadot.js.org/apps/?rpc=wss%3A%2F%2Fkusama.api.onfinality.io%2Fpublic-ws#/accounts
chain Kusama
version 9080
nonce 130
method ▶ democracy.undelegate()
info ▶ Undelegate the voting power of the sending account.
Summary of the transaction sent via the Polkadot-JS extension.
PASSWORD FOR THIS ACCOUNT
Remember my password for the next 15 minutes
Sign the transaction
Undelegate the voting power of the sending account.
Submit Unsigned
Submit Transaction
8. Enter your account's password and tick the box to remember your password, if necessary.
9. Click on Sign the transaction to complete the procedure.

3. **Proxy setup:** Set up proxy accounts and types.



a) Add a proxy account.





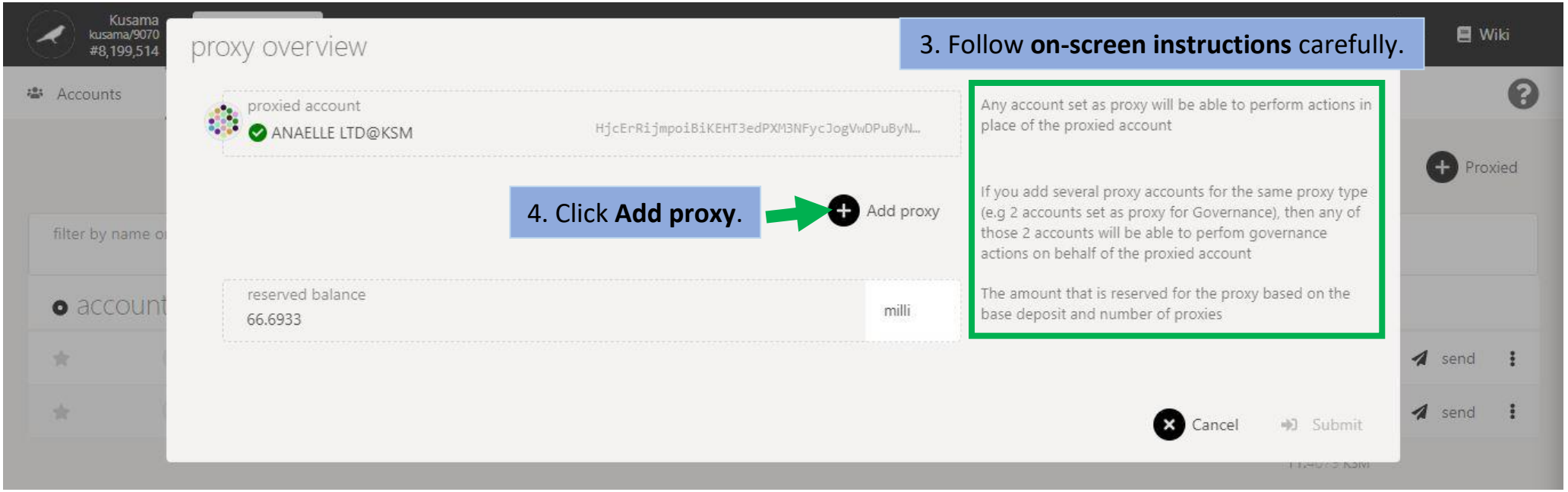
Proxy & Proxied accounts in detail:

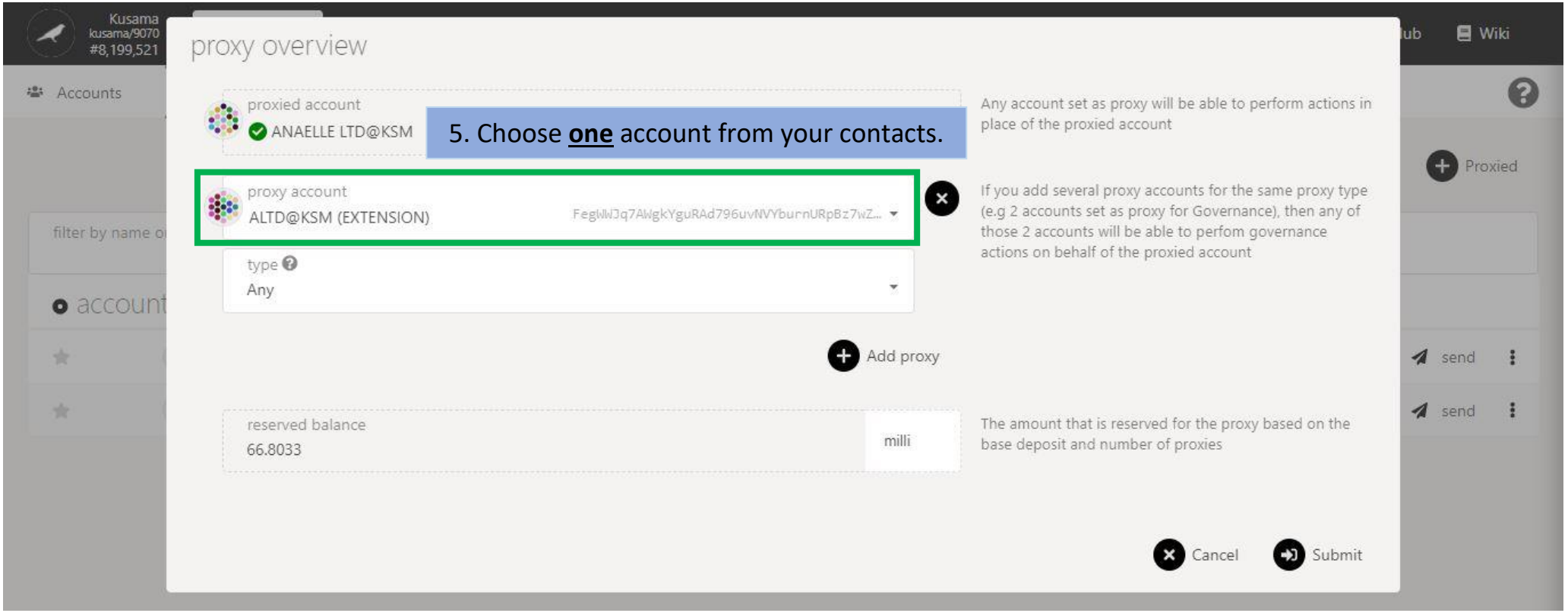
Proxy = "Caretaker".

Proxied = "Cared for".

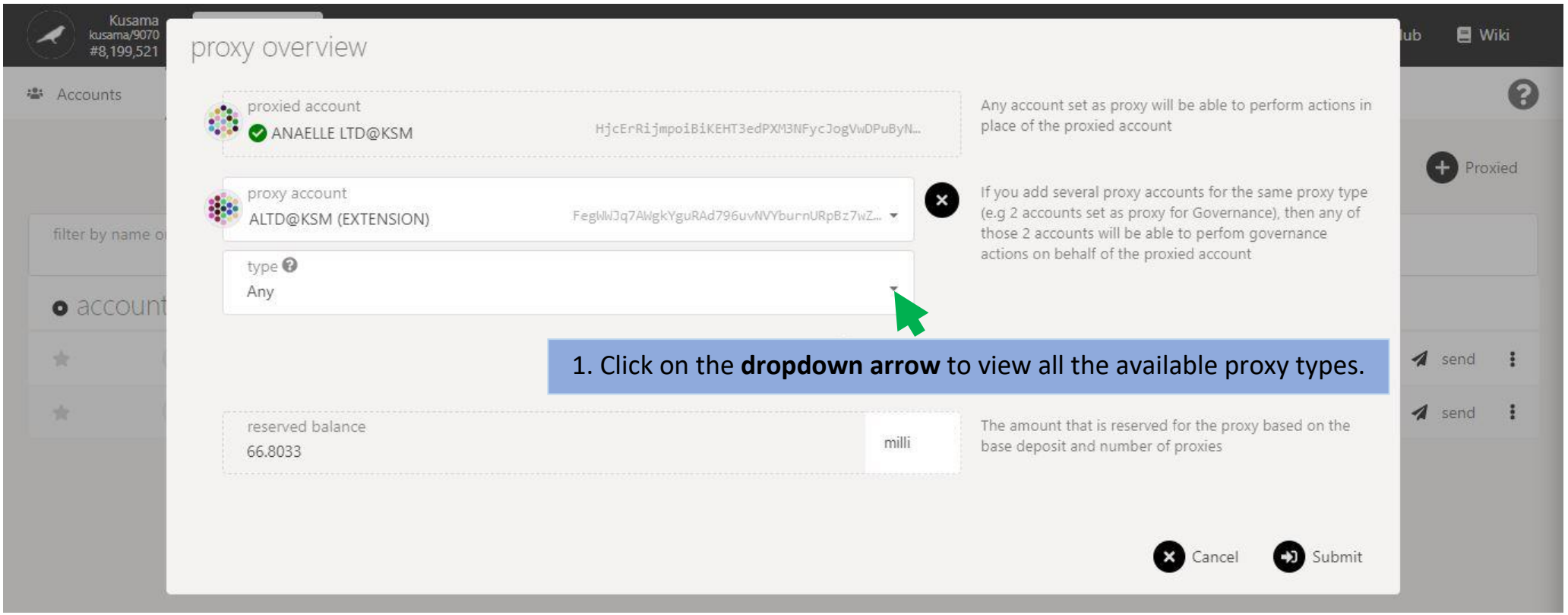
Proxy & Proxied accounts allow individuals to **manage transactions for a family member or a peer** if the person becomes unavailable or incapacitated.

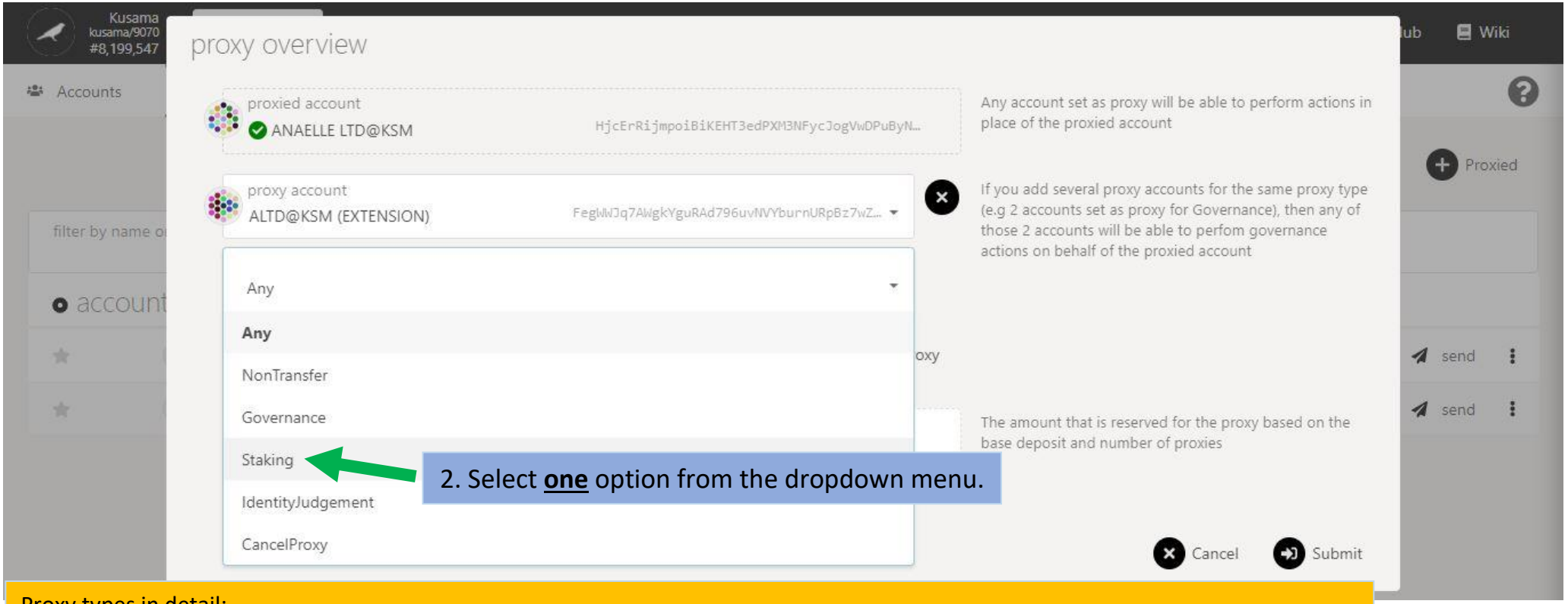
You must first **set up the family member's or peer's account as proxy** before they can **add your account as a proxied account**. To learn how to add a proxied account to your list of accounts, refer to **Part I: Accounts (Basic setups).**


Kusama
kusama/9070
#8,199,514
Wiki
Accounts
proxy overview
3. Follow **on-screen instructions** carefully.
proxied account
ANAELLE LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByN…
Any account set as proxy will be able to perform actions in place of the proxied account
If you add several proxy accounts for the same proxy type (e.g 2 accounts set as proxy for Governance), then any of those 2 accounts will be able to perfom governance actions on behalf of the proxied account
The amount that is reserved for the proxy based on the base deposit and number of proxies
4. Click **Add proxy**.
Add proxy
Proxied
reserved balance
66.6933
milli
send
send
Cancel
Submit


Kusama
kusama/9070
#8,199,521
Wiki
Accounts
proxy overview
proxied account
ANAELLE LTD@KSM
5. Choose one account from your contacts.
Any account set as proxy will be able to perform actions in place of the proxied account
Proxied
proxy account
ALTD@KSM (EXTENSION)
FegWWJq7AWgkYguRAd796uvNVYburnURpBz7wZ...
If you add several proxy accounts for the same proxy type (e.g 2 accounts set as proxy for Governance), then any of those 2 accounts will be able to perfom governance actions on behalf of the proxied account
type
Any
Add proxy
send
send
reserved balance
66.8033
milli
The amount that is reserved for the proxy based on the base deposit and number of proxies
Cancel
Submit

b) Manage proxy types.





Proxy types in detail:

Any: Authorised to perform any on-chain transaction.

NonTransfer: Authorised to perform any on-chain transaction, except balance transfers.

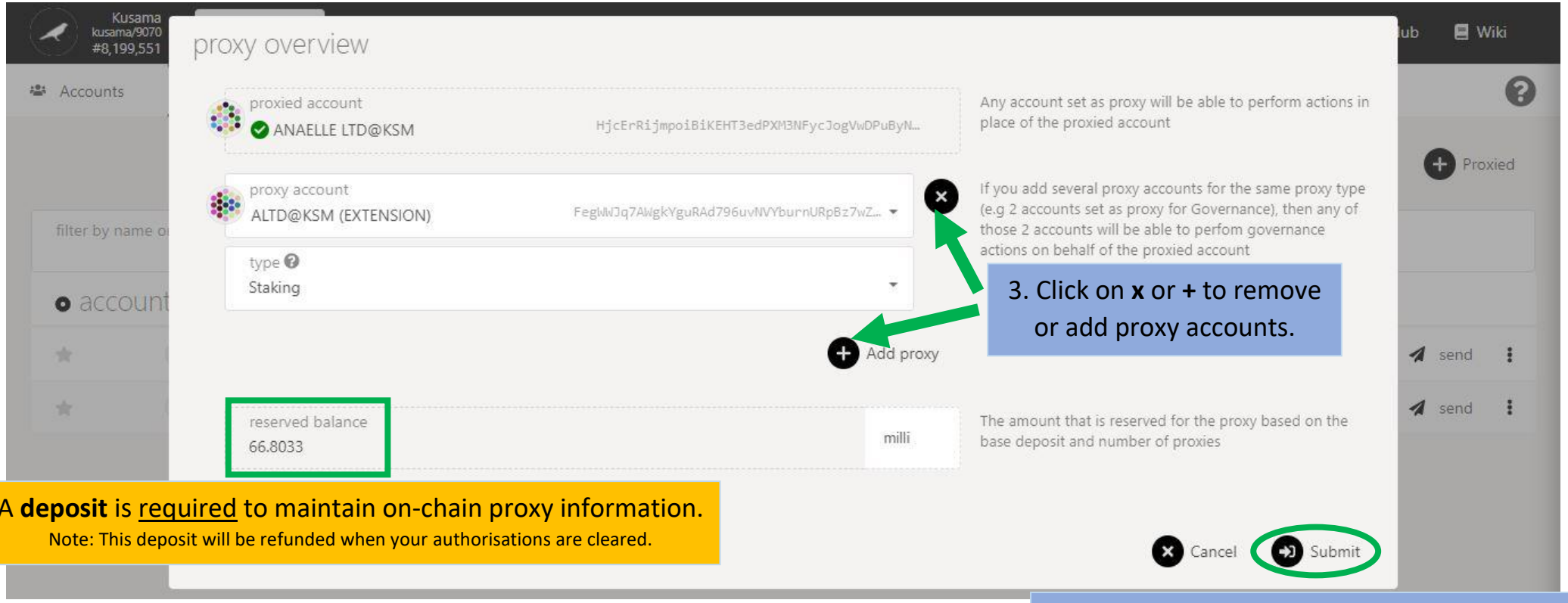
Governance: Authorised to perform any governance transaction (i.e vote, submit proposals, etc).

Staking: Authorised to perform staking-related transactions but does not override stash-controller setups.

IdentityJudgement: Authorised to perform any identity-related transaction requested by registrars.

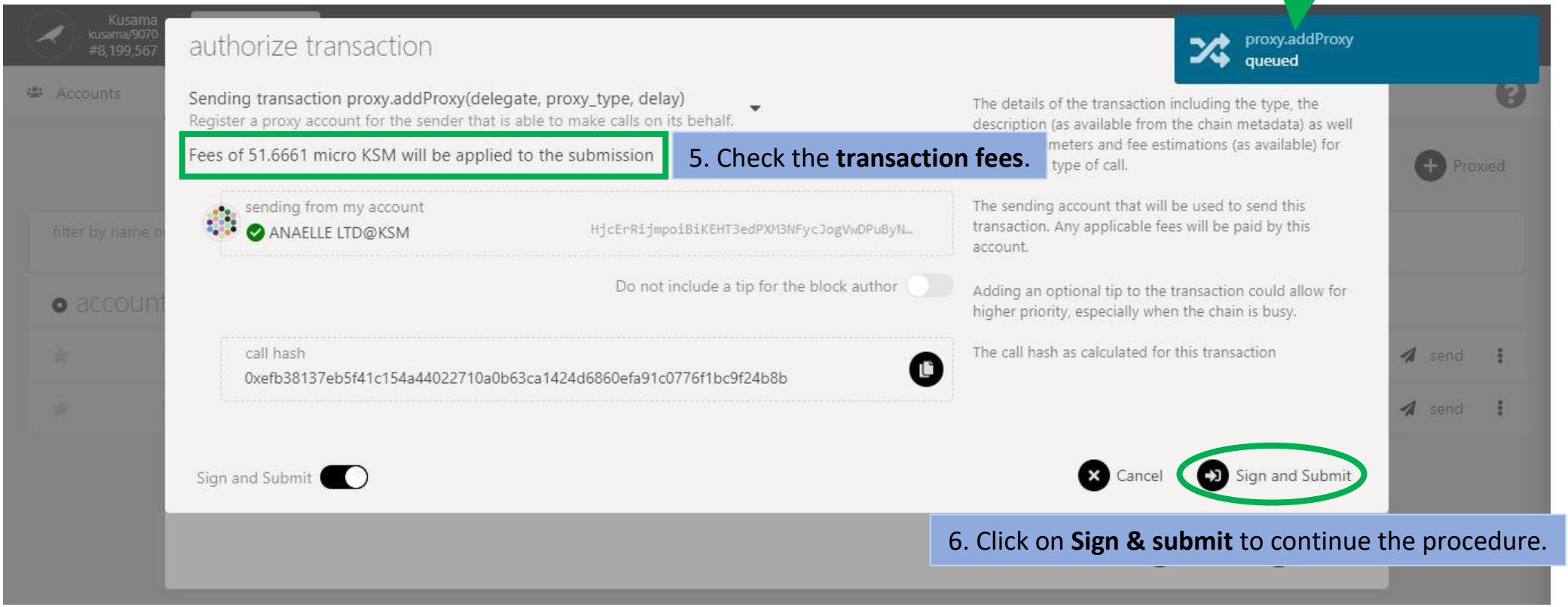
Proxies's actions can be time-delayed by a certain number of blocks, therefore proxies must announce their actions ahead of time.

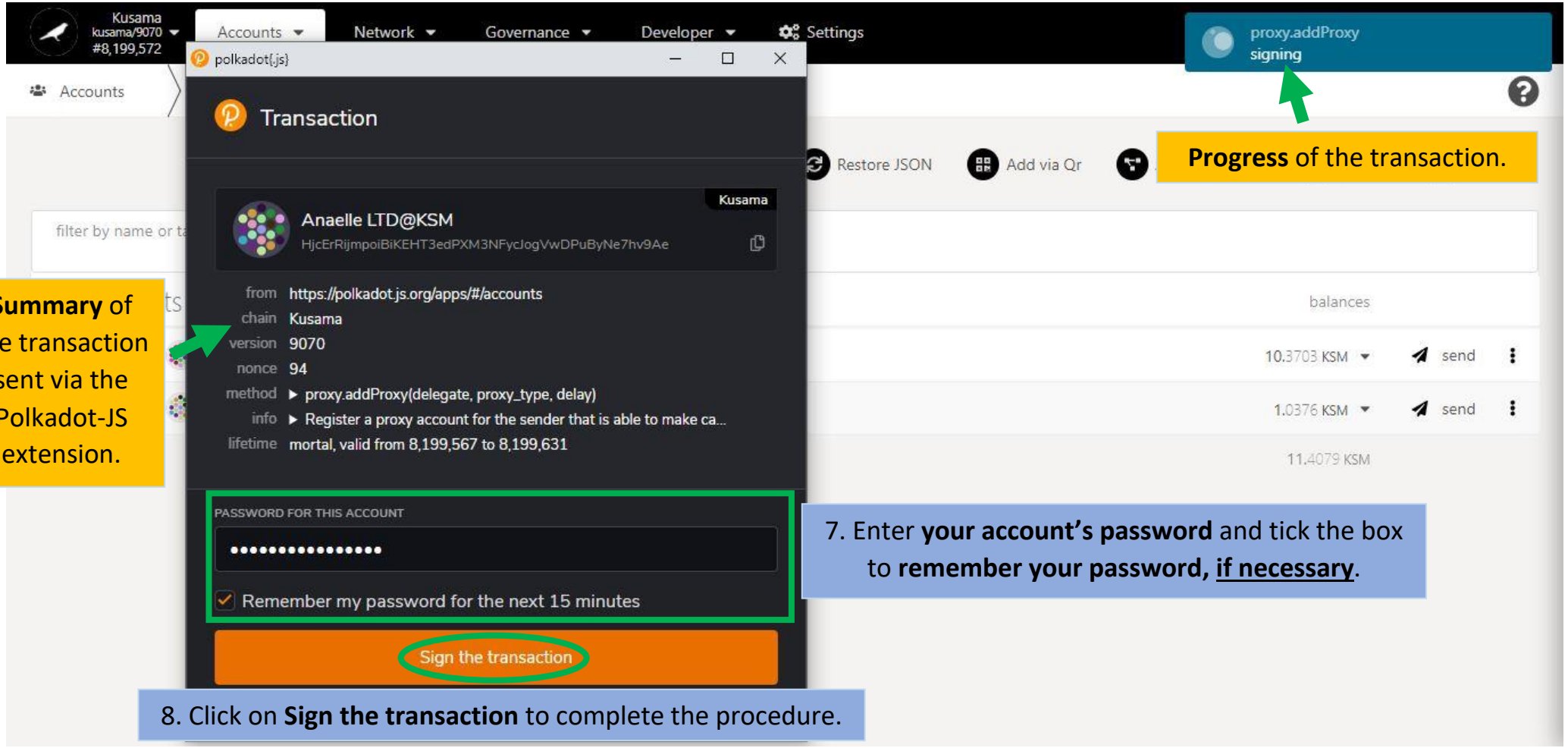
CancelProxy: Authorised to reject the announcements made by other proxy types.



A **deposit** is <u>required</u> to maintain on-chain proxy information.
Note: This deposit will be refunded when your authorisations are cleared.

4. Click on **Submit** to continue the procedure.


Nature of the transaction.
proxy.addProxy
queued
authorize transaction
Sending transaction proxy.addProxy(delegate, proxy_type, delay)
Register a proxy account for the sender that is able to make calls on its behalf.
Fees of 51.6661 micro KSM will be applied to the submission
5. Check the transaction fees.
The details of the transaction including the type, the description (as available from the chain metadata) as well meters and fee estimations (as available) for type of call.
sending from my account
ANAELLE LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByN...
The sending account that will be used to send this transaction. Any applicable fees will be paid by this account.
Do not include a tip for the block author
Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.
call hash
0xefb38137eb5f41c154a44022710a0b63ca1424d6860efa91c0776f1bc9f24b8b
The call hash as calculated for this transaction
Sign and Submit
Cancel
Sign and Submit
6. Click on Sign & submit to continue the procedure.


Kusama
kusama/9070
#8,199,572
Accounts
Network
Governance
Developer
Settings
proxy.addProxy
signing
Progress of the transaction.
Restore JSON
Add via Qr
balances
10.3703 KSM
send
1.0376 KSM
send
11.4079 KSM
polkadot{.js}
Transaction
Kusama
Anaelle LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByNe7hv9Ae
from https://polkadot.js.org/apps/#/accounts
chain Kusama
version 9070
nonce 94
method ▶ proxy.addProxy(delegate, proxy_type, delay)
info ▶ Register a proxy account for the sender that is able to make ca...
lifetime mortal, valid from 8,199,567 to 8,199,631
PASSWORD FOR THIS ACCOUNT
Remember my password for the next 15 minutes
Sign the transaction
Summary of the transaction sent via the Polkadot-JS extension.
7. Enter your account's password and tick the box to remember your password, if necessary.
8. Click on Sign the transaction to complete the procedure.