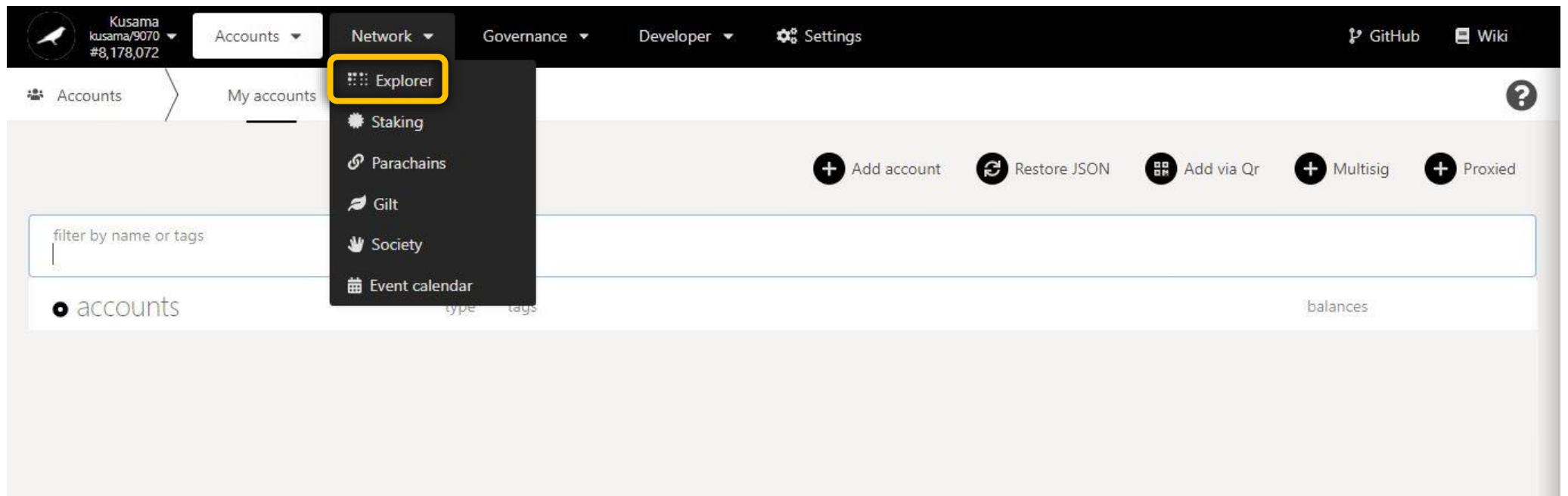


PART II: Network

1. Explorer: Explore latest blockchain data.



a) View blockchain information.

Search block hashes or block numbers.

The screenshot shows the Polkadot.js Network dashboard with the following sections:

- Key information on blockchain:** time elapsed since last block, targeted block time, total KSM supply, epoch countdown, blocks' statistics.
- Recent blocks:** A table showing the last 8 blocks, including their hash, timestamp, and validator.
- Recent events:** A table showing the last 8 events, including their type, description, and timestamp.
- Recent block numbers:** A yellow box pointing to the first column of the recent blocks table.
- Recent block hashes:** A yellow box pointing to the second column of the recent blocks table.
- Recent block validators:** A yellow box pointing to the third column of the recent blocks table.
- Overview of transactions/operations included in recent blocks:** A yellow box pointing to the recent events table.

Key information on blockchain:

last block	target	total issuance	epoch	last events	finalized	best
2.8 s	6 s	11.3050 MKSM	1 hr 59 mins 42 s	13	8,482,934	8,482,937

recent blocks

Block Number	Hash	Validator
8,482,937	0xdd5d8de645bdb57af99ae3a10c9b0e3b078d...	GhMryB...3byTJC
8,482,936	0x541ca774dcab9dc249569c96e18398a826d6...	— ROCKX_KUSAMA3
8,482,935	0x20242390ec24100981b009cc41e634cd6592...	GpSSta...kEybPs
8,482,934	0xd34022c6fc752cccd3e5ebdf050fc93939...	CoS64C...TZXY5v
8,482,933	0xe7364598dd34ccb7de10124a6f7cd61eacab...	L30
8,482,932	0x9581957e7bbc00af3be6299d9558df2a26f3...	STAKEFISH/SF-2
8,482,931	0x9b28449158817ec86b4a0650941d568c2dd1...	— BINANCE_KSM_14
8,482,930	0x9118d828d90be70ca3b3b66e903c6710b6d3...	ZUG CAPITAL/58

recent events

Type	Description	Timestamp
staking.Reward	The staker has been rewarded by this amount. [stash, amount]	(2x) 8,482,937-8
staking.Reward	The staker has been rewarded by this amount. [stash, amount]	(4x) 8,482,936-6
grandpa.NewAuthorities	New authority set has been applied. [authority_set]	8,482,934-8
session.NewSession	New session has happened. Note that the argument is the [session_index], not the block number as the type might suggest.	8,482,934-3
staking.EraPayout	The era payout has been set; the first balance is the validator-payout; the second is the remainder from the maximum amount of reward. [era_index, validator_payout, remainder]	8,482,934-1
imOnline.AllGood	At the end of the session, no offence was committed.	8,482,934-0
staking.Bonded		8,482,922-8

b) View block details.

Key information on current block: amounts transferred, block weight, and number of transactions.

deposits	transfers	block weight	event count	extrinsic count	
0.0000 KSM	0.0000 KSM	435,530,000	0%	7	2

● 8,482,946 hash parent extrinsics state

(CABLE-X) 0x39dcef4509015e35a299f052... 0x12167f7fc2d0058ebde33199... 0x4d00031af91023ff9db2a244... 0x2fca44400add2eed16b8c931... View this externally
Polkastats Subscan

Extrinsics

timestamp.set Set the current time.	system.ExtrinsicSuccess An extrinsic completed successfully. [info]
parasInherent.enter Enter the paras inherent. This will process bitfields and backed candidates.	parasInclusion.CandidateIncluded A candidate was included. [candidate, head_data] parasInclusion.CandidateIncluded A candidate was included. [candidate, head_data] parasInclusion.CandidateIncluded A candidate was included. [candidate, head_data] parasInclusion.CandidateBacked A candidate was backed. [candidate, head_data] parasInclusion.CandidateBacked

Events

Extrinsics & Events in detail:

An event is a piece of data **from within the blockchain** (ex: issue a reward payout from my validator).

An extrinsic is a piece of data **from the outside world** (ex: claim a reward payout for my stash).

Overview of transactions/operations included in this block.

Note: Click on the dropdown arrow to view each individual transaction/operation in greater detail.

c) Monitor blockchain forks.

The screenshot shows the Polkadot.js interface with the Network tab selected. In the top left, there's a user icon, the chain name "Kusama", account "kusama/9070", and balance "#8,483,005". The top navigation bar includes Accounts, Network (selected), Governance, Developer, Settings, GitHub, and Wiki.

The main content area has tabs for Explorer, Chain info, Block details, Forks (selected), and Node info. Below these, a summary box shows "blocks 38" and "forks 2". A yellow callout box highlights this information with the text: "Key information on forks: number of blocks captured, and number of forks encountered since monitoring started".

A red box labeled "2nd fork." contains a green box around the first two items in a list of blocks. A green arrow points from this box to another green box containing the last propagated block information: "#8,483,005 0x90bc80922... 0x5026f59...". A yellow callout box for this item states: "Last propagated block number and block hash (white colour) captured by this node since monitoring started".

A red box labeled "1st fork." contains a green box around the last few items in the block list. A green arrow points from this box to another green box containing the last finalised block information: "#8,482,989 0xc90b093ad... 0x486895b...". A yellow callout box for this item states: "Last finalised block number and block hash (green colour) captured by this node since monitoring started".

The list of blocks shows the following entries:

- #8,483,005 0x90bc80922... 0x5026f59...
- #8,482,989 0xc90b093ad... 0x486895b...
- #8,482,988 0x486895bf0... 0xab5891b...
- #8,482,985 0x46bebf794... 0x8f1bb30...
- #8,482,984 0x8f1bb305b... 0xb6eca10d...
- #8,482,969 0xc4acbb85a... 0xe094070...

d) Monitor blockchain nodes information.

The screenshot shows the 'Node info' tab of the Polkadot.js interface. At the top, there's a yellow banner with the text: 'Key information on current node: countdown to refresh, peer nodes, sync status.' Below this, a green bar displays various metrics: 'refresh in 4.6 s', 'total peers 18', 'syncing no', 'queued tx 1', and 'our best 8,483,009'. A green arrow points to the '1' in 'queued tx'. Another green arrow points to the '8,483,009' in 'our best'. In the middle section, there are three boxes: one for 'connected peers' (showing 'no peers connected') with a green arrow pointing to it; one for 'transaction(s) in queue' (showing '1') with a green arrow pointing to it; and one for 'latest block number captured' (showing '8,483,009') with a green arrow pointing to it. At the bottom, there's a box for 'pending extrinsics' with a green arrow pointing to it, and another box for 'Sender(s) of the transaction(s) in queue' with a green arrow pointing to it. A final green arrow points to the text 'Nature of the transaction(s) in queue' at the very bottom left.

Key information on current node: **countdown to refresh, peer nodes, sync status.**

refresh in 4.6 s total peers 18 syncing no queued tx 1 our best 8,483,009

connected peers
no peers connected

Number of node(s) connected to this node.

Number of **transaction(s)** in queue.

Latest block number **captured**.

pending extrinsics

utility.batch
Send a batch of dispatch calls.

Nature of the transaction(s) in queue.

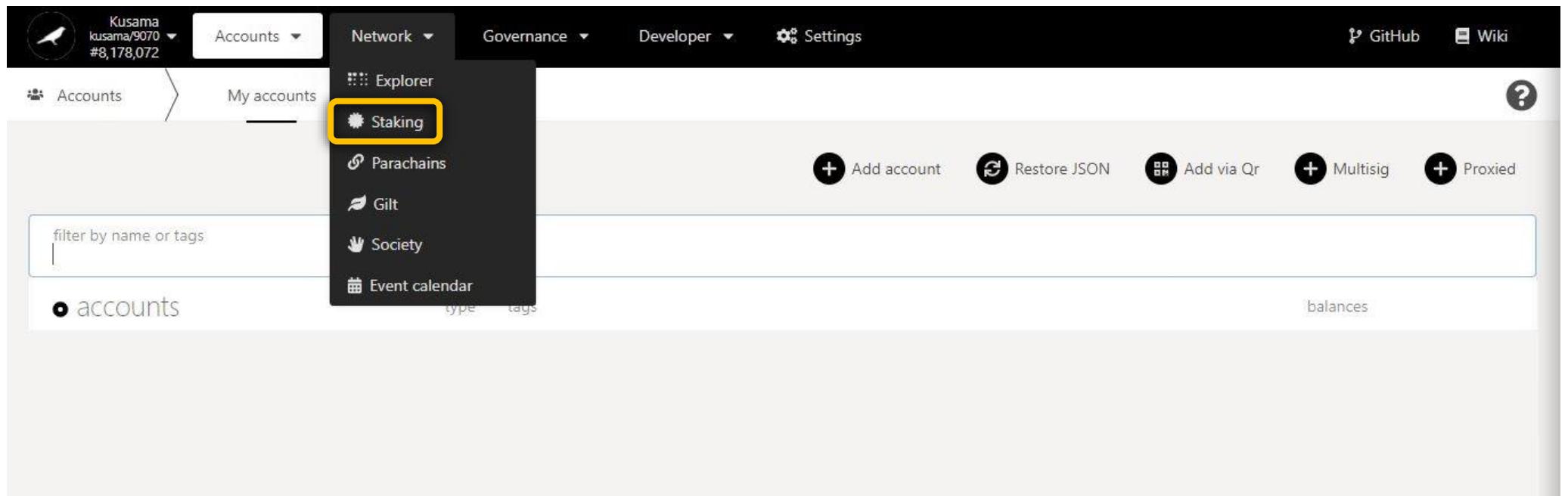
events

signer

Sender(s) of the transaction(s) in queue.

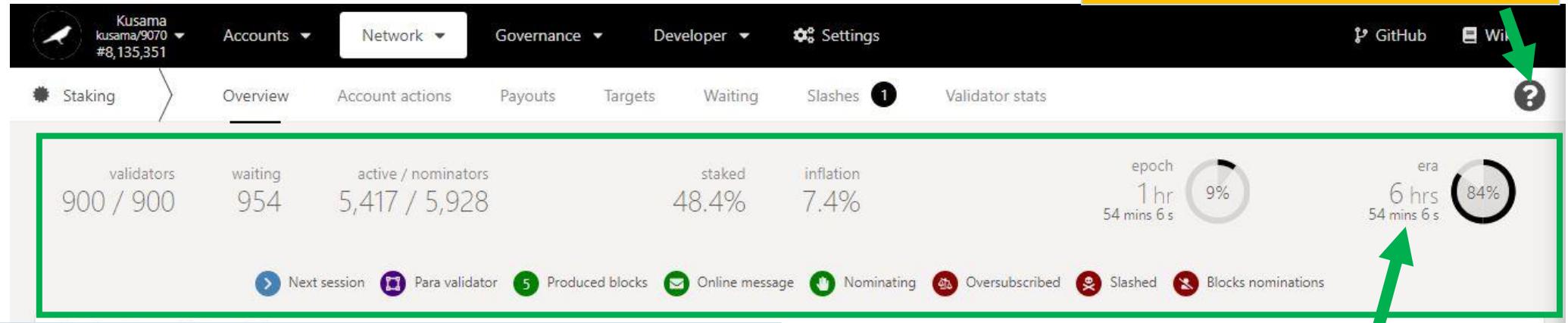
View this externally
Polkascan Polkastats Subscan

2. Staking: Explore staking-related operations.



a) View general staking information.

Basic information on technical words
used in the STAKING section.



Key information on validators, nominators and staking statistics.

Countdown to the inclusion of new nominators into the list of rewardees.

The screenshot shows the Validators table. It lists five validators with their addresses and icons. To the right of the table is a summary table with the following data:

other stake	own stake	commission	points	last #
5,003.4452 KSM (16)	1.0000 KSM	100.00%	1,060	
6,901.6296 KSM (3)	0.4500 KSM	10.00%	1,120	
4,173.3305 KSM (55)	10.0000 KSM	100.00%	780	
7,413.6884 KSM (1)	0.1000 KSM	100.00%	640	
5,181.4473 KSM (18)	1.0000 KSM	5.00%	1,480	

Addresses of currently elected validators.

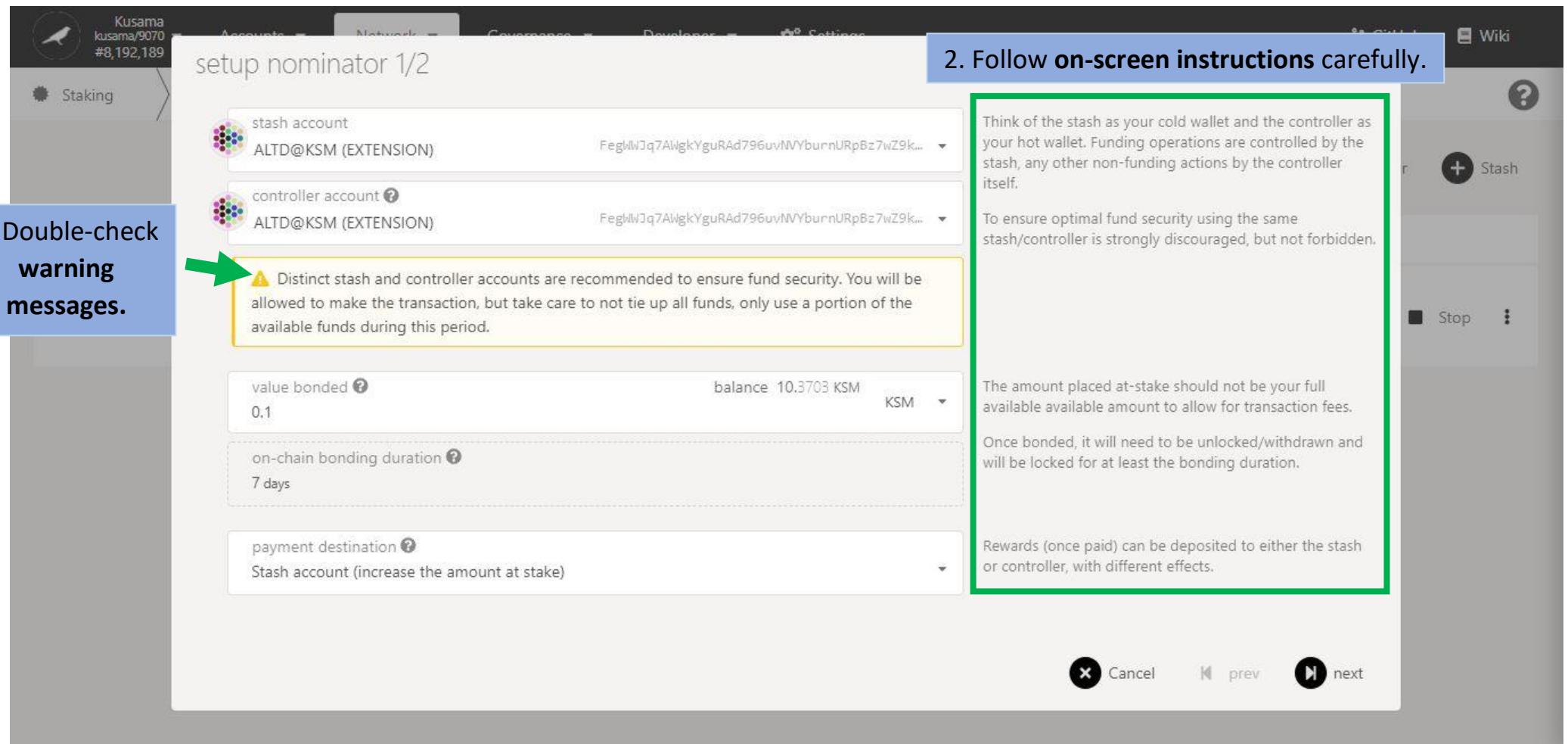
Summary of validators' balances, commissions, and performance.

NEVER SEND YOUR KSM TO A VALIDATOR'S ADDRESS!

b) Manage account nominations:

- Set nominators.

The screenshot shows the Polkadot-JS Staking interface. At the top, there is a navigation bar with links for Accounts, Network (selected), Governance, Developer, and Settings. Below the navigation bar, there is a header with the network name "kusama/9070" and the number "#8,192,599". The main content area has tabs for Overview, Account actions (selected), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. Below these tabs, there is a filter bar with options: All stashes (selected), Nominators, Validators, Inactive, Nominator (highlighted with a green arrow), Validator, and Stash. A large blue callout box with the text "1. Click Nominator." is positioned over the Nominator button. On the left side, there is a section titled "stashes" with the sub-section "Nominators" selected. A message below says "No funds staked yet. Bond funds to validate or nominate a validator".



3. Double-check warning messages.

2. Follow on-screen instructions carefully.

stash account
ALTD@KSM (EXTENSION) FeglwJq7AiWgkYguRAD796uvNIVburnURpBz7wZ9k...

controller account ?
ALTD@KSM (EXTENSION) FeglwJq7AiWgkYguRAD796uvNIVburnURpBz7wZ9k...

⚠ Distinct stash and controller accounts are recommended to ensure fund security. You will be allowed to make the transaction, but take care to not tie up all funds, only use a portion of the available funds during this period.

value bonded ?
0.1 balance 10.3703 KSM KSM

on-chain bonding duration ?
7 days

payment destination ?
Stash account (increase the amount at stake)

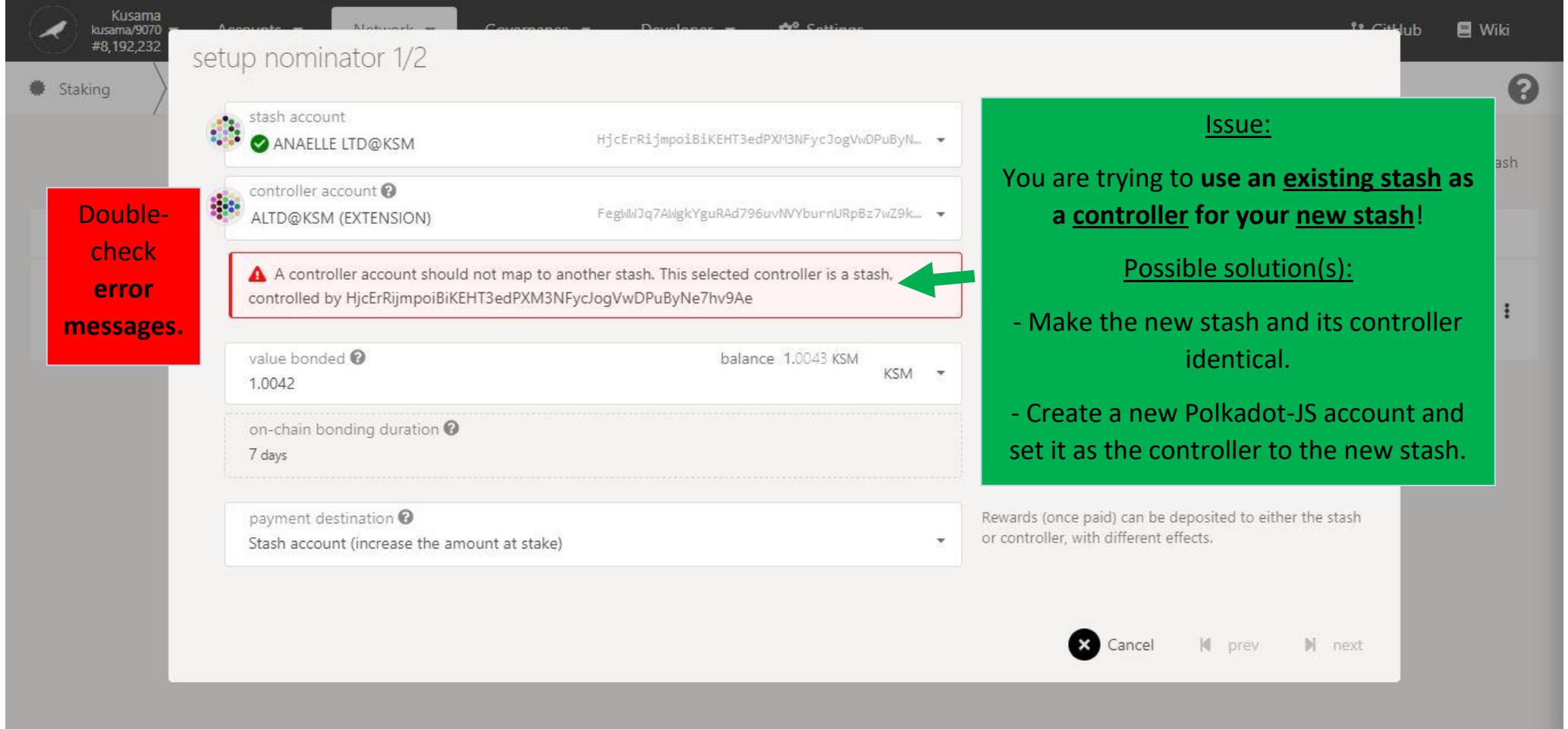
Think of the stash as your cold wallet and the controller as your hot wallet. Funding operations are controlled by the stash, any other non-funding actions by the controller itself.
To ensure optimal fund security using the same stash/controller is strongly discouraged, but not forbidden.

The amount placed at-stake should not be your full available available amount to allow for transaction fees.
Once bonded, it will need to be unlocked/withdrawn and will be locked for at least the bonding duration.

Rewards (once paid) can be deposited to either the stash or controller, with different effects.

Cancel prev next

[Troubleshooting 1/4]



Double-check error messages.

stash account
ANAELE LTD@KSM

controller account ALTD@KSM (EXTENSION)

A controller account should not map to another stash. This selected controller is a stash, controlled by HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByNe7hv9Ae

value bonded 1.0042

balance 1.0043 KSM

on-chain bonding duration 7 days

payment destination Stash account (increase the amount at stake)

Rewards (once paid) can be deposited to either the stash or controller, with different effects.

Issue:
You are trying to use an existing stash as a controller for your new stash!

Possible solution(s):

- Make the new stash and its controller identical.
- Create a new Polkadot-JS account and set it as the controller to the new stash.

Cancel prev next

[Troubleshooting 2/4]

The screenshot shows the Polkadot-JS extension interface for Kusama. A red box on the left contains the text "Double-check error messages." A green box on the right provides troubleshooting information.

Issue:
Your chosen controller does not have enough KSM to pay for the transaction fees!

Possible solution(s):

- Add more funds to your chosen controller's balance.
- Use a different controller that has a sufficient KSM balance.

A green arrow points from the "Issue" text to the error message in the extension's UI.

Double-check error messages.

Issue:
Your chosen controller does not have enough KSM to pay for the transaction fees!

Possible solution(s):

- Add more funds to your chosen controller's balance.
- Use a different controller that has a sufficient KSM balance.

[Troubleshooting 3/4]

The screenshot shows the Polkadot-JS Staking interface with the title "setup nominator 1/2". On the left, a sidebar has a red box containing the text "Double-check error messages.". The main form has two error messages highlighted with red boxes and green arrows pointing to them:

- "The controller does not have sufficient funds available to cover transaction fees. Ensure that a funded controller is used."
- "The specified value is too large and does not allow funds to pay future transaction fees."

A green box on the right contains the following troubleshooting information:

Issue:

Your stash and controller **do not have enough KSM to bond for the nominations and to pay for the transaction fees!**

Possible solution(s):

- Add more funds to your stash balance and controller balances. Note: A minimum of 0.1KSM is needed to nominate.
- Bond more funds into a pre-existing stash that has some spare KSM.

[Troubleshooting 4/4]

The screenshot shows the Polkadot-JS interface with the title "setup nominator 1/2". It displays two accounts: "stash account" (ALTD@KSM) and "controller account" (ANAELE LTD@KSM). A red box highlights an error message: "⚠ A controller account should not be set to manage multiple stashes. The selected controller is already controlling FegWWJq7AWgkYguRAD796uvIYguRAD796uvzYguRAD796uv". A green arrow points from this message to a green box containing troubleshooting information.

Double-
check
error
messages.

Issue:

You are trying to use one controller for many stashes!

Possible solution(s):

- Make the new stash and its controller identical.
- Create a new Polkadot-JS account and set it as the controller to the new stash.

Rewards (once paid) can be deposited to either the stash or controller, with different effects.

Cancel prev next

Prepared by Anaelle LTD

setup nominator 1/2

stash account
ALTD@KSM (EXTENSION) FegIWWJq7AWgkYguRAD796uvNIVburnURpBz7wZ9k...

controller account ?
ALTD@KSM (EXTENSION) FegIWWJq7AWgkYguRAD796uvNIVburnURpBz7wZ9k...

Think of the stash as your cold wallet and the controller as your hot wallet. Funding operations are controlled by the stash, any other non-funding actions by the controller itself.

To ensure optimal fund security using the same stash/controller is strongly discouraged, but not forbidden.

⚠ Distinct stash and controller accounts are recommended to ensure fund security. You will be allowed to make the transaction, but take care to not tie up all funds, only use a portion of the available funds during this period.

4. Select one option for receiving reward payouts.

Stash account (increase the amount at stake) ←

Stash account (do not increase the amount at stake)

Controller account

Specified payment account

Once bonded, it will need to be unlocked/withdrawn and will be locked for at least the bonding duration.

Stash account (increase the amount at stake)

Rewards (once paid) can be deposited to either the stash or controller, with different effects.

5. Click on Next to continue the procedure.

Cancel prev next

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setup nominator 2/2

Kusama
kusama/9070
#8,192,242

Staking

filter by name, address, or account index

candidate accounts

- ALLNODES/41
- SHOTMAKER/0
- STAKE-OPS/1
- MELANGE
- ALLNODES/43

nominated accounts

Nominators can be selected manually from the list of all currently available validators.

Once transmitted the new selection will only take effect in 2 eras taking the new validator election cycle into account. Until then, the nominations will show as inactive.

Wiki

?

Stash

Stop

ALTD@

7. Double-check warning messages.

6. Follow the new instructions carefully.

⚠ You should trust your nominations to act competently and honest; basing your decision purely on their current profitability could lead to reduced profits or even loss of funds.

Cancel prev Bond & Nominate

setup nominator 2/2

8. Click on **10-16 validators' names or addresses** to add them to your selection.

The screenshot shows the 'setup nominator 2/2' interface. On the left, there's a sidebar with 'stashes' and 'ALTD@'. The main area has two sections: 'candidate accounts' (left) and 'nominated accounts' (right). The 'candidate accounts' section lists: ALLNODES/41, SHOTMAKER/0, STAKE-OPS/1, MELANGE, and ALLNODES/43. The 'nominated accounts' section lists: JACKFLASH/FORKLESSNATION, HUNTER, SORAMITSU/SUB1, RYABINA/[12]T.ME/KUSAMA_BOT, and ADAM_CLAY_STEEBER. A yellow warning box at the bottom left says: '⚠ You should trust your nominations to act competently and honest; basing your decision purely on their current profitability could lead to reduced profits or even loss of funds.' At the bottom right are buttons for 'Cancel', 'prev', 'Bond & Nominate', and 'Stop'.

Nominators can be selected manually from the list of all currently available validators.

Once transmitted the new selection will only take effect in 2 eras taking the new validator election cycle into account. Until then, the nominations will show as inactive.

Cancel prev Bond & Nominate Stop

9. You can search for your favourite validator to speed up this process.

Nominators can be selected manually from the list of all currently available validators.

Once transmitted the new selection will only take effect in 2 eras taking the new validator election cycle into account. Until then, the nominations will show as inactive.

candidate accounts

- SULTANOFSTAKING

nominated accounts

- JACKFLASH/FORKLESSNATION
- HUNTER
- JACO/v35
- SORAMITSU/SUB1
- RYABINA/ [12] T.ME/KUSAMA_BOT

⚠️ You should trust your nominations to act competently and honest; basing your decision purely on their current profitability could lead to reduced profits or even loss of funds.

Cancel prev Bond & Nominate

setup nominator 2/2

sultan

candidate accounts

nominated accounts

- HUNTER
- SORAMITSU/SUB1
- RYABINA/[12] T.ME/KUSAMA_BOT
- ADAM_CLAY_STEEBER
- SULTANOFSTAKING

10. Double-check your selection of validators.

Nominators can be selected manually from the list of all currently available validators.

Once transmitted the new selection will only take effect in 2 eras taking the new validator election cycle into account. Until then, the nominations will show as inactive.

11. Click on Bond & nominate to continue the procedure.

Cancel prev Bond & Nominate

Nature of the transaction.

More validators
= more
nominations
= higher
transaction fees.

authorize transaction

Sending transaction utility.batchAll(calls)
Send a batch of dispatch calls and atomically execute them. The whole transaction will rollback and fail if any of the calls failed.

Fees of 120.9988 micro KSM will be applied to the submission

sending from my account
ALTD@KSM (EXTENSION)

Do not include a tip for the block author

call hash
0xc337e6e06d4d94e90c5de2718dfb58bfc7ed305c50ccaa2252d3d38ecff2f2b6

Sign and Submit

12. Follow the final instructions carefully.

utility.batchAll queued

The details of the transaction including the type, the description (as available from the chain metadata) as well as any parameters and fee estimations (as available) for the specific type of call.

The sending account that will be used to send this transaction. Any applicable fees will be paid by this account.

Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.

The call hash as calculated for this transaction

13. Click on Sign & submit to continue the procedure.

Cancel **Sign and Submit**

The screenshot shows the Polkadot.js extension interface for Kusama. A yellow box on the left contains the text: "Summary of the transaction sent via the Polkadot-JS extension." An arrow points from this text to the transaction details section. Another arrow points from the "Sign the transaction" button to the "Sign the transaction" step in the instructions below. A green box highlights the password input field and the "Remember my password" checkbox. A blue box highlights the "Sign the transaction" button. A yellow box on the right contains the text: "Progress of the transaction." An arrow points from this text to the progress bar at the top of the interface.

Summary of the transaction sent via the Polkadot-JS extension.

from https://polkadot.js.org/apps/#/staking
chain Kusama
version 9070
nonce 248
method ► utility.batchAll(calls)
info ► Send a batch of dispatch calls and atomically execute them. T...
lifetime mortal, valid from 8,192,317 to 8,192,381

PASSWORD FOR THIS ACCOUNT
••••••••••
 Remember my password for the next 15 minutes

Sign the transaction

utility.batchAll signing

Progress of the transaction.

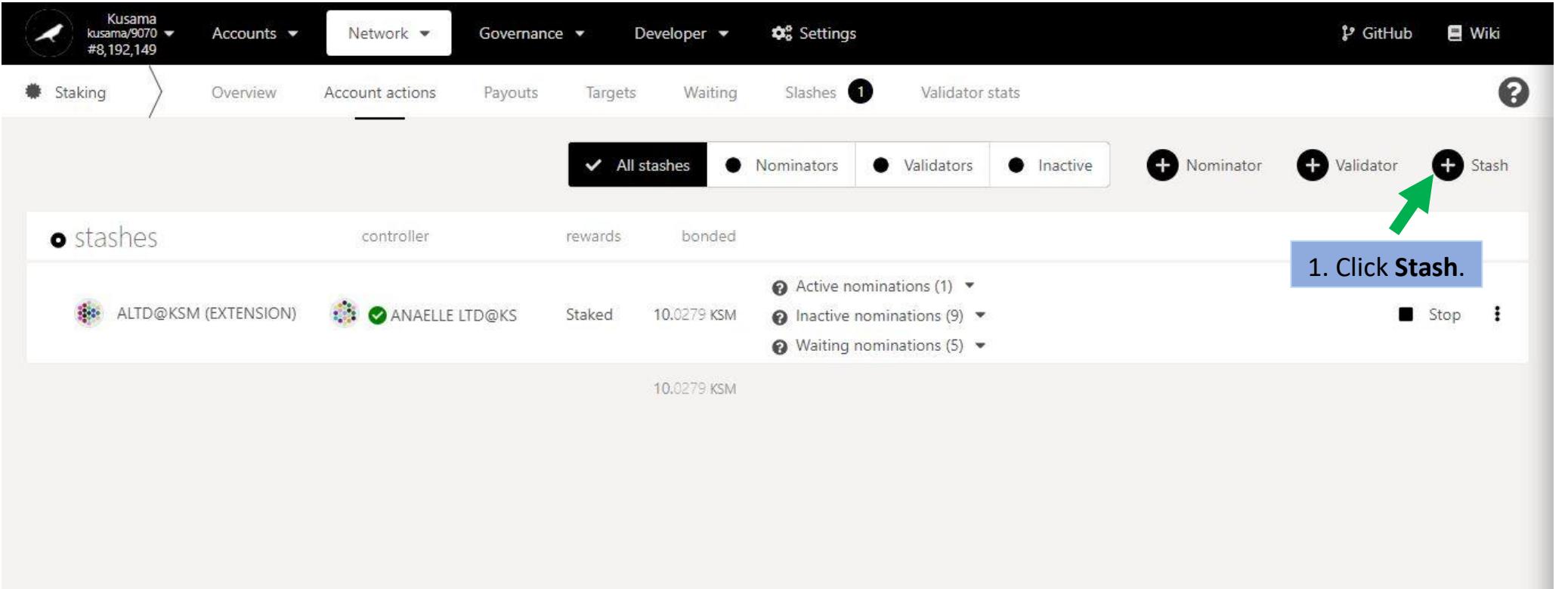
14. Enter your account's password and tick the box to remember your password, if necessary.

15. Click on Sign the transaction to complete the procedure.

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- Add stashes.



The screenshot shows the Polkadot-JS Staking interface. At the top, there's a navigation bar with tabs for Accounts, Network (selected), Governance, Developer, and Settings. Below the navigation bar, there are tabs for Overview, Account actions (selected), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. On the left, a sidebar shows the network as Kusama (kusama/9070) with 8,192,149 stakers. The main content area is titled 'stashes' and shows a table with columns for controller, rewards, and bonded amount (10.0279 KSM). There are dropdown menus for Active nominations (1), Inactive nominations (9), and Waiting nominations (5). At the bottom right of the main content area, a blue box contains the text '1. Click Stash.' with a green arrow pointing to the '+ Stash' button. The '+ Stash' button is located in the top right corner of the main content area, next to '+ Nominator' and '+ Validator' buttons.

2. Follow on-screen instructions carefully.

Think of the stash as your cold wallet and the controller as your hot wallet. Funding operations are controlled by the stash, any other non-funding actions by the controller itself.

To ensure optimal fund security using the same stash/controller is strongly discouraged, but not forbidden.

3. Double-check warning messages.

⚠ Distinct stash and controller accounts are recommended to ensure fund security. You will be allowed to make the transaction, but take care to not tie up all funds, only use a portion of the available funds during this period.

value bonded 0.15 balance 10.3703 KSM KSM

on-chain bonding duration 7 days

payment destination Stash account (increase the amount at stake)

4. Click on Bond to continue the procedure.

Cancel Bond

Nature of the transaction.



authorize transaction

Sending transaction `staking.bond(controller, value, payee)`
Take the origin account as a stash and lock up value of its balance. controller will be the account that controls it.

Fees of 52.6661 micro KSM will be applied to the submission

sending from my account
ALTD@KSM (EXTENSION)

Do not include a tip for the block author

call hash
0x2e106e2bdbb21e911e68c3d4c06160f12895d22a35559aa04e6767f499b1d301

Sign and Submit

payment destination ?
Stash account (increase the amount at stake)

The details of the transaction including the type, the description (as available from the chain metadata) as well as any parameters and fee estimations (as available) for this type of call.

The sending account that will be used to send this transaction. Any applicable fees will be paid by this account.

Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.

The call hash as calculated for this transaction

Cancel Sign and Submit

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

Cancel Bond

The screenshot shows the Polkadot-JS extension interface for the Kusama network. A green arrow points from the text "Summary of the transaction sent via the Polkadot-JS extension." to the transaction details window. Another green arrow points from the text "Progress of the transaction." to the top right corner where it says "staking.bond signing".

Summary of the transaction sent via the Polkadot-JS extension.

Progress of the transaction.

Transaction Details:

- from: https://polkadot.js.org/apps/#/staking
- chain: Kusama
- version: 9070
- nonce: 248
- method: ▶ staking.bond(controller, value, payee)
- info: ▶ Take the origin account as a stash and lock up 'value' of its bal...
- lifetime: mortal, valid from 8,192,578 to 8,192,642

PASSWORD FOR THIS ACCOUNT

••••••••••••••
 Remember my password for the next 15 minutes
Sign the transaction

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.

Name of the stash.
It is used to **bond KSM** for nominations and set a controller. It can be used to compound reward payouts.

Name of the controller.
It is used to set nominees for bonded KSM on behalf of a stash.

All stashes

Active nominations (1)
JACKFLASH/FORKLE 10.0279 KSM

Inactive nominations (9)
SHOTMAKER/@ ALLNODES/⚡1 ALLNODES/⚡3 EARNSTASH/03 ICEBERG NODI

Waiting nominations (5)
STAKE-MACHINE.C LITBUTHEDGEDCA HUNTER

Staking summary:
Staked: Total balance of KSM bonded/locked into nominations (includes reward payouts made into the stash).
Active nominations: Nominated validator that is in the active set and making reward payments for the current era.
Inactive nominations: Nominated validators that are in the active set but not making reward payments for the current era.
Waiting nominations: Nominations waiting to be included in the active set or in the list of rewardees.

Stop all nomination activities associated with this stash.

- Bond more funds.

The screenshot shows the Polkadot-JS interface for the Kusama network. The top navigation bar includes links for Accounts, Network (selected), Governance, Developer, Settings, GitHub, and Wiki. Below the navigation is a sub-menu for Staking with tabs for Overview, Account actions (selected), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. A help icon is also present.

The main content area displays a table for 'stashes'. It has columns for controller, rewards, and bonded amount (10.0279 KSM). There are dropdown menus for Active nominations (1), Inactive nominations (9), and Waiting nominations (5). On the right side of the row, there are buttons for Stop and three vertical dots for more options. A green arrow points to the three-dot menu, and a callout box with a blue background provides instructions:

1. Click on the 3 vertical dots to view **Staking settings**.

controller	rewards	bonded
ALTD@KSM (EXTENSION)	ANAEILLE LTD@KS	Staked 10.0279 KSM

Active nominations (1) Inactive nominations (9) Waiting nominations (5)

Stop

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The screenshot shows the Polkadot-JS Staking interface with the 'Account actions' tab selected. At the top, there are tabs for Overview, Account actions (which is underlined), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. Below the tabs are filters: 'All stashes' (selected), 'Nominators', 'Validators', 'Inactive', and buttons to '+ Nominator', '+ Validator', and '+ Stash'. The main area displays 'stashes' information: controller (ANAEILLE LTD@KS), rewards, and bonded amount (10.0279 KSM). To the right are dropdowns for 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. A 'Stop' button and a more options icon are also present. A blue callout box contains the instruction: '2. Click on Bond more funds to increase the amount of KSM you are staking.' An arrow points from this callout to the 'Bond more funds' option in a context menu that appears on the right side of the screen. The context menu includes: Bond more funds, Unbond funds, Withdraw unbonded funds, Change controller account, Change reward destination, and Set nominees.

2. Click on **Bond more funds** to increase the amount of KSM you are staking.

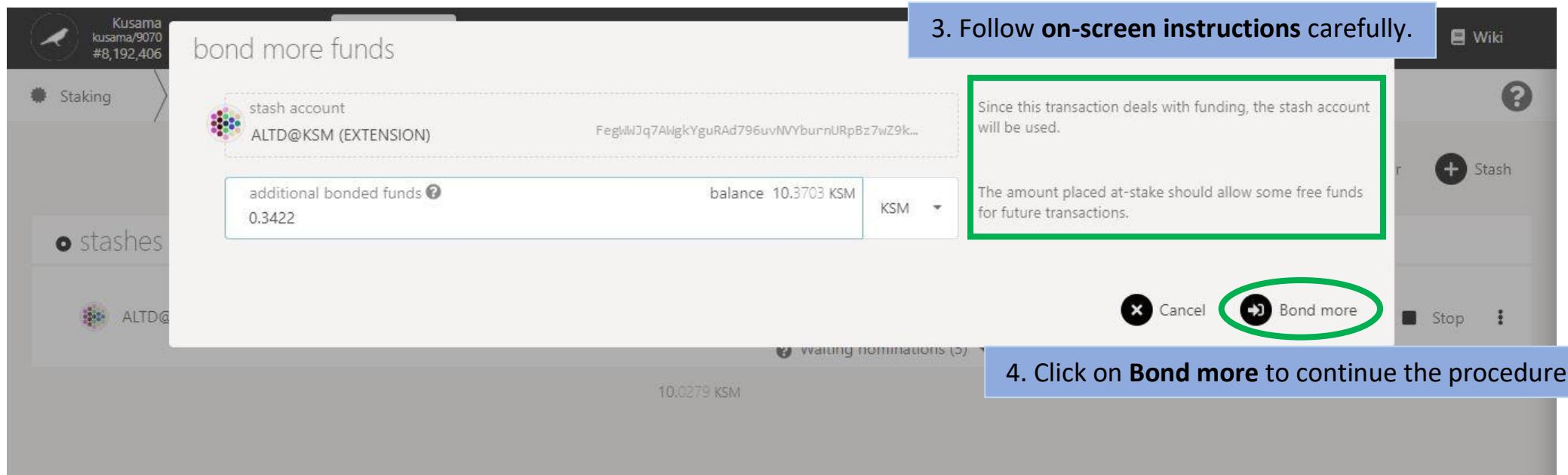
Bond more funds
Unbond funds
Withdraw unbonded funds

Change controller account
Change reward destination

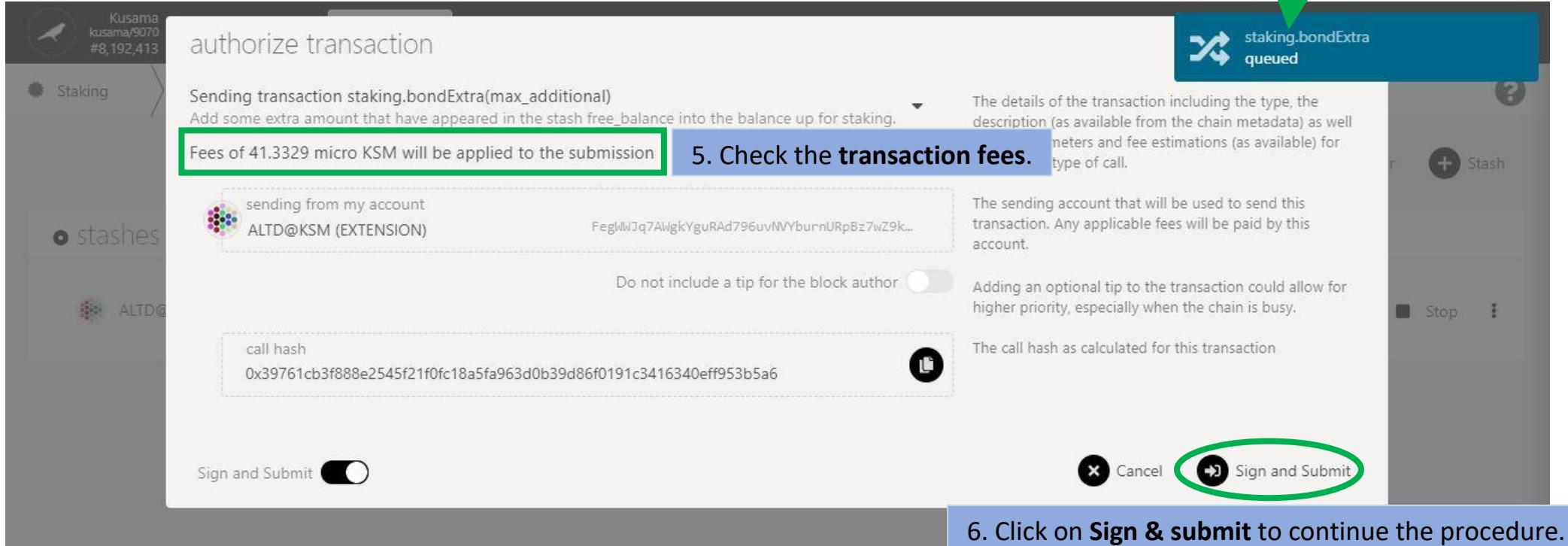
Set nominees

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Nature of the transaction.



authorize transaction

Sending transaction `staking.bondExtra(max_additional)`
Add some extra amount that have appeared in the stash `free_balance` into the balance up for staking.

Fees of 41.3329 micro KSM will be applied to the submission

sending from my account
ALTD@KSM (EXTENSION)

Do not include a tip for the block author

call hash
0x39761cb3f888e2545f21f0fc18a5fa963d0b39d86f0191c3416340eff953b5a6

Sign and Submit

staking.bondExtra queued

The details of the transaction including the type, the description (as available from the chain metadata) as well as fee estimations (as available) for the type of call.

The sending account that will be used to send this transaction. Any applicable fees will be paid by this account.

Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.

The call hash as calculated for this transaction

Cancel **Sign and Submit**

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

The screenshot shows the Polkadot.js extension interface for the Kusama network. A modal window titled "Transaction" is open, displaying the details of a "staking.bondExtra(signing)" transaction. The transaction summary includes:

- from: https://polkadot.js.org/apps/#/staking
- chain: Kusama
- version: 9070
- nonce: 248
- method: staking.bondExtra(max_additional)
- info: Add some extra amount that have appeared in the stash 'free...'.
- lifetime: mortal, valid from 8,192,414 to 8,192,478

A green arrow points to the "Summary of the transaction sent via the Polkadot-JS extension." text, which is highlighted in yellow. Another green arrow points to the "Sign the transaction" button, which is also highlighted in yellow. A blue box contains the instruction: "8. Click on Sign the transaction to complete the procedure." A blue box also contains the instruction: "7. Enter your account's password and tick the box to remember your password, if necessary." A green arrow points to the "Remember my password for the next 15 minutes" checkbox, which is highlighted in green. A blue box at the top right contains the text: "Progress of the transaction." A green arrow points to the "staking.bondExtra(signing)" status bar at the top right.

Summary of the transaction sent via the Polkadot-JS extension.

8. Click on **Sign the transaction** to complete the procedure.

7. Enter your account's password and tick the box to remember your password, if necessary.

Progress of the transaction.

- Unbond funds.

The screenshot shows the Polkadot-JS interface for the Kusama network. The top navigation bar includes links for Accounts, Network (selected), Governance, Developer, Settings, GitHub, and Wiki. Below the navigation is a secondary menu with tabs: Overview, Account actions (selected), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. A sidebar on the left indicates the user is in the Staking section. The main content area displays a table of stashes. The first stash is for 'ALTD@KSM (EXTENSION)' with a controller of 'ANAEILLE LTD@KS'. It shows 10.0279 KSM staked. To the right of the stash details are three dropdown menus: 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. A green arrow points to the three vertical dots icon next to the 'Waiting nominations' dropdown. A blue callout box contains the instruction: '1. Click on the 3 vertical dots to view Staking settings.'

stashes	controller	rewards	bonded	
ALTD@KSM (EXTENSION)	ANAEILLE LTD@KS	Staked	10.0279 KSM	Stop ⋮

1. Click on the 3 vertical dots to view Staking settings.

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The screenshot shows the Polkadot-JS Staking interface. At the top, there are tabs: Staking, Overview, Account actions (which is selected), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. Below the tabs are filters: All stashes (selected), Nominators, Validators, Inactive, and buttons to add a Nominator, Validator, or Stash. The main area displays 'stashes' with columns: controller, rewards, and bonded. Two stashes are listed: ALTD@KSM (EXTENSION) and ANAELLE LTD@KS. The ANAELLE entry shows it is Staked with 10.0279 KSM. To the right of the stashes are three buttons: Stop, a gear icon, and a more options icon. A green arrow points from a callout box to the 'Unbond funds' option in a dropdown menu. The callout box contains the text: "2. Click on Unbond funds to decrease the amount of KSM you are staking." The dropdown menu also includes: Bond more funds, Withdraw unbonded funds, Change controller account, Change reward destination, and Set nominees.

✓ All stashes • Nominators • Validators • Inactive + Nominator + Validator + Stash

● stashes controller rewards bonded

ALTD@KSM (EXTENSION) ANAELLE LTD@KS Staked 10.0279 KSM

2. Click on **Unbond funds** to decrease the amount of KSM you are staking.

Bond more funds
Unbond funds **Withdraw unbonded funds**
Change controller account
Change reward destination
Set nominees

The screenshot shows the Polkadot-JS UI interface for the Kusama network. A blue callout box at the top right says "3. Follow on-screen instructions carefully." A green box highlights the controller account section, which reads: "The stash and controller pair, here the controller will be used to send the transaction." Another green box highlights the note below the amount input: "The funds will only be available for withdrawal after the unbonding period, however will not be part of the staked amount after the next validator election. You can follow the unlock countdown in the UI." At the bottom right, a button labeled "Unbond" is circled in green, with a blue callout box below it saying "4. Click on Unbond to continue the procedure."

Kusama
kusama/9070
#8,192,445

unbond funds

Wiki

Staking

stashes

ALTD@KSM

stash account
ALTD@KSM (EXTENSION) FegWJq7A1NgkYguRAd796uvNVYburnURpBz7wZ9k...

controller account
ANAEILLE LTD@KSM HjcErRijmpoiBiKEHT3edPXH3NFycJogVwDPuByN...

unbond amount ?
10.0279

on-chain bonding duration ?
7 days

all bonded KSM

Cancel **Unbond**

3. Follow on-screen instructions carefully.

The stash and controller pair, here the controller will be used to send the transaction.

The funds will only be available for withdrawal after the unbonding period, however will not be part of the staked amount after the next validator election. You can follow the unlock countdown in the UI.

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

Nature of the transaction.

The screenshot shows the Polkadot-JS extension interface for a Kusama node. The top bar displays the node name "kusama/9070" and the number "#8,192,452". The main window title is "authorize transaction". The transaction details are as follows:

- Sending transaction:** staking.unbond(value)
- Description:** Schedule a portion of the stash to be unlocked ready for transfer out after the bond period ends. If this leaves an amount actively bonded less than T::Currency::minimum_balance(), then it is increased to the full amount.
- Fees:** Fees of 41.6662 micro KSM will be applied to the submission (highlighted with a green box).
- Account:** sending from my account (ANAEILLE LTD@KSM) with a green checkmark.
- Call Hash:** HjcErRijmpoiBiKEHT3edPXH3NFycJogVwDPuByN... (highlighted with a green box).
- Fee Estimation:** 0x04f4bac2282fd711c009122f52b6ace5425ecd3e6797f98f56aee5ded8f7256b
- Fee Selection:** Do not include a tip for the block author (checkbox is off).
- Sign and Submit:** A button with a toggle switch.
- Cancel:** A button with a red X icon.
- Sign and Submit:** A button with a green arrow icon, circled with a green oval.

A green arrow points from the text "Nature of the transaction." to the "staking.unbond queued" status in the top right corner of the transaction details area.

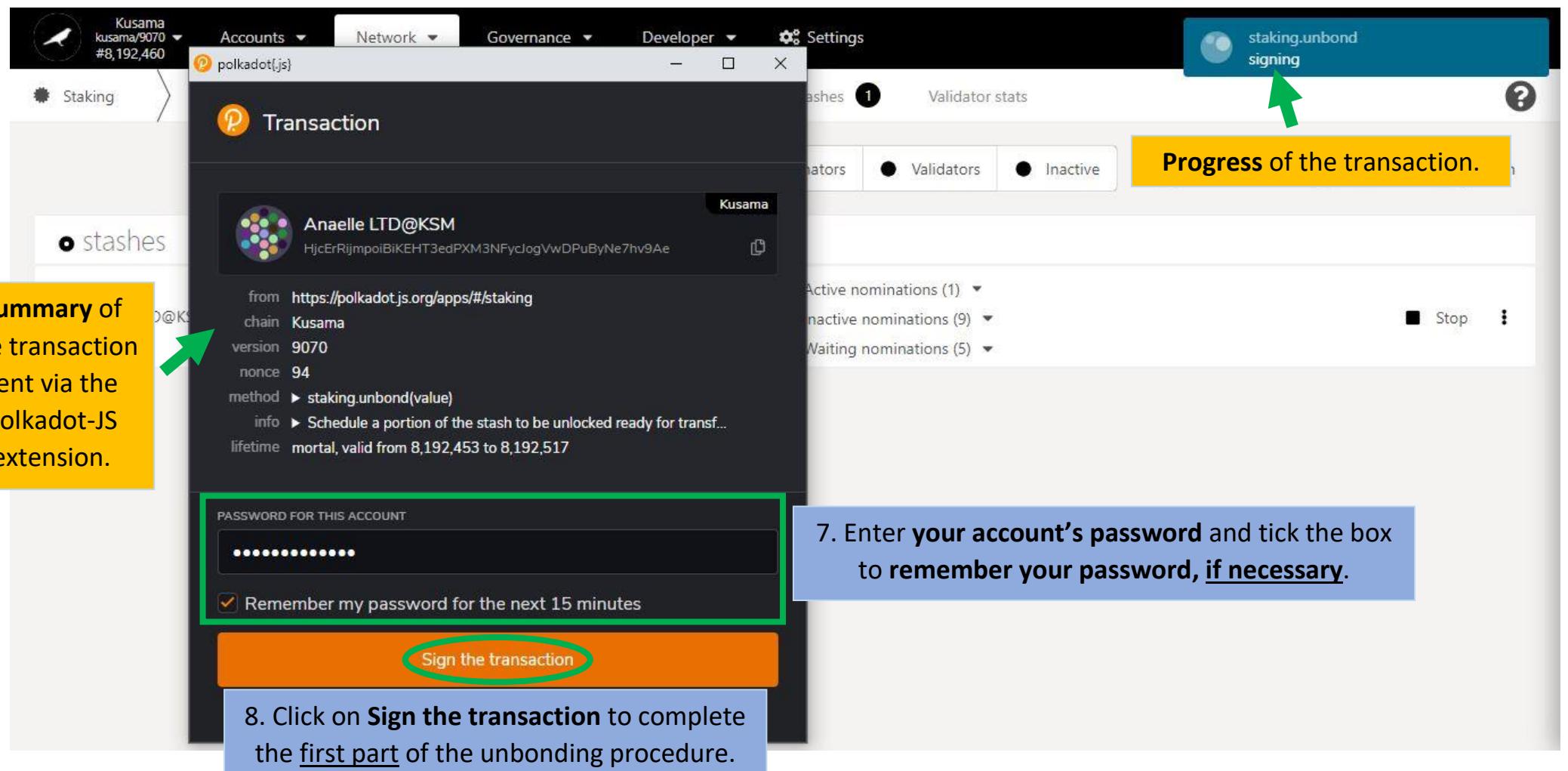
5. Check the transaction fees.

The sending account that will be used to send this transaction. Any applicable fees will be paid by this account.

Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.

The call hash as calculated for this transaction

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



10. After 7 days, your unbonded funds
are now ready to be withdrawn!

The screenshot shows the Polkadot-JS dashboard with a blue header bar containing the text "10. After 7 days, your unbonded funds are now ready to be withdrawn!". Below the header is a navigation bar with links for Governance, Developer, Settings, GitHub, and Wiki. The main content area is titled "stashes" and shows two entries: "ALTD@KSM (EXTENSION)" and "ANAEILLE LTD@KS". For the "ANAEILLE LTD@KS" entry, the status is "Staked" with amounts "8.0299 KSM" and "2.0503 KSM" followed by a lock icon. To the right of these amounts are dropdown menus for "Active nominations (1)", "Inactive nominations (6)", and "Waiting nominations (6)". At the bottom right of the staking table are "Stop" and "⋮" buttons. A green arrow points to the lock icon on the "2.0503 KSM" amount. A blue callout box contains the instruction: "11. Click on the padlock icon to start the second part of the unbonding procedure."

11. Click on the **padlock icon** to start the second part of the unbonding procedure.

Nature of the transaction.

The screenshot shows the Polkadot-JS extension interface for Kusama. The main title is "authorize transaction". Below it, a message says "Sending transaction staking.withdrawUnbonded(num_slashing_spans)". It also says "Remove any unlocked chunks from the unlocking queue from our management.". A green box highlights the text "Fees of 40.6663 micro KSM will be applied to the submission". To the right, a blue box contains the transaction details: "staking.withdrawUnbonded queued". A green arrow points from the text "Nature of the transaction." to this box. Below the transaction details, there's a note about sending fees and a switch for "Do not include a tip for the block author". Further down, a "call hash" is shown: "0xfbab068436a3732c6d321bc6b9069fb58bbea4661c5ffede0e5f509d51fb16174". At the bottom, there are "Sign and Submit" and "Cancel" buttons. A green oval highlights the "Sign and Submit" button. A blue box labeled "12. Check the transaction fees." is positioned above the transaction details, and another blue box labeled "13. Click on Sign & submit to continue the procedure." is positioned below the "Sign and Submit" button.

authorize transaction

Sending transaction staking.withdrawUnbonded(num_slashing_spans)

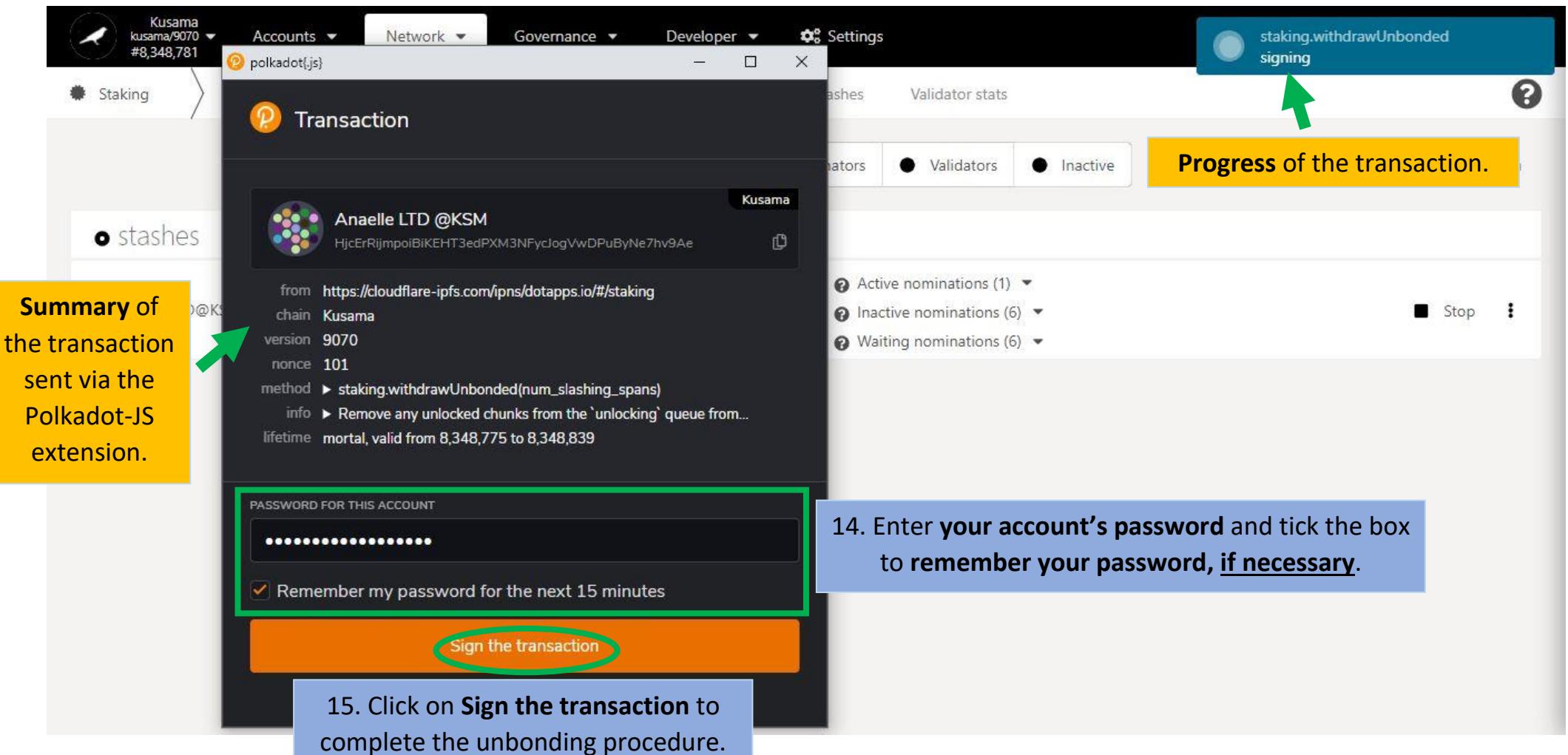
Remove any unlocked chunks from the unlocking queue from our management.

Fees of 40.6663 micro KSM will be applied to the submission

staking.withdrawUnbonded queued

12. Check the transaction fees.

13. Click on Sign & submit to continue the procedure.



- Change controller account.

The screenshot shows the Polkadot-JS interface for the Kusama network. The top navigation bar includes links for Accounts, Network (selected), Governance, Developer, Settings, GitHub, and Wiki. Below the navigation is a secondary menu with tabs: Overview, Account actions (selected), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. A sidebar on the left indicates the user is in the Staking section. The main content area displays a table of stashes. The first row shows a header with columns: stashes, controller, rewards, and bonded. The second row lists two stashes: 'ALTD@KSM (EXTENSION)' and 'ANAEILLE LTD@KS'. For the 'ANAEILLE LTD@KS' stash, it shows 'Staked' status, 10.0279 KSM bonded, and three dropdown menus for 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. To the right of these details are a 'Stop' button and a vertical ellipsis ('...'). A green arrow points from a callout box to the ellipsis. A blue callout box contains the instruction: '1. Click on the 3 vertical dots to view Staking settings.'

stashes	controller	rewards	bonded
ALTD@KSM (EXTENSION)	ANAEILLE LTD@KS	Staked	10.0279 KSM

1. Click on the 3 vertical dots to view Staking settings.

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The screenshot shows the Polkadot-JS Staking interface. At the top, there are tabs: Staking (selected), Overview, Account actions (highlighted in blue), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. Below the tabs are filter buttons: All stashes (selected), Nominators, Validators, Inactive, and buttons to add a Nominator, Validator, or Stash. The main area displays a table of stashes:

controller	rewards	bonded	actions
ALTD@KSM (EXTENSION)	ANAEILLE LTD@KS	Staked 10.0279 KSM	Active nominations (1) Inactive nominations (9) Waiting nominations (5) Stop More

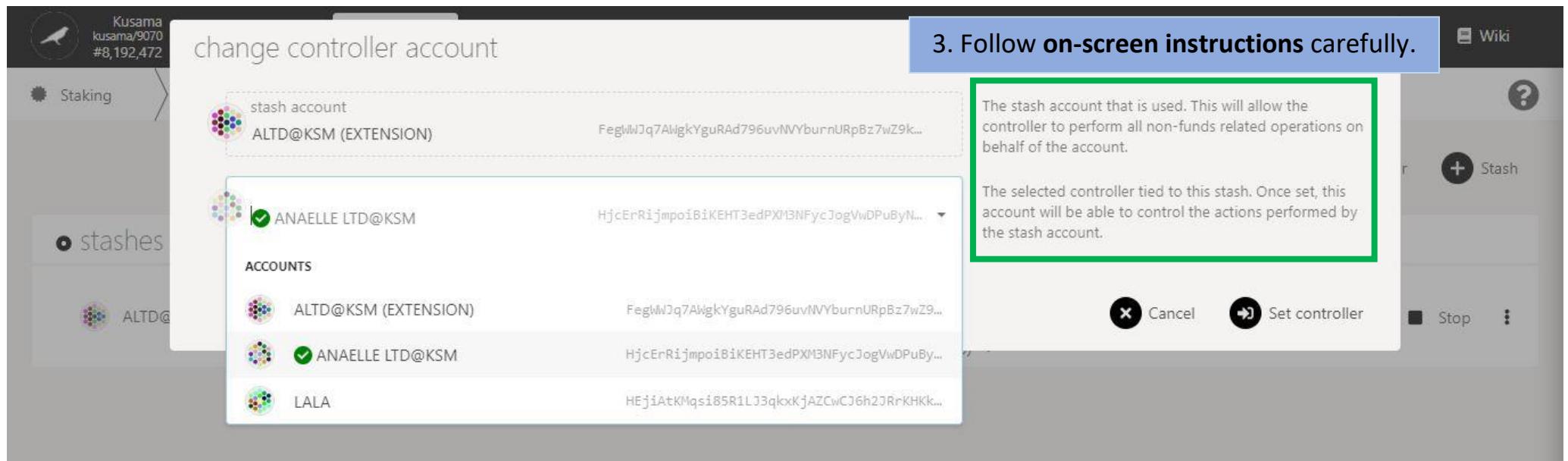
A green callout box with a numbered step is overlaid on the interface:

1. Click on the controller account to change it.
2. Click on **Change controller account** to set a new controller for this stash.

A green arrow points from the second step to the "Change controller account" option in the dropdown menu.

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The screenshot shows the Polkadot-JS extension interface with a blue header bar containing the title "GUIDE TO POLKADOT-JS – PART II: Network" and "Version 2.0". Below the header is a sidebar with icons for "Staking", "Wiki", and "Stash". The main content area has a dark background with a light gray header "change controller account". It displays two sections: "stash account" (ALTD@KSM (EXTENSION)) and "controller account" (ALTD@KSM (EXTENSION)). A yellow warning box contains the text: "⚠️ Distinct stash and controller accounts are recommended to ensure fund security. You will be allowed to make the transaction, but take care to not tie up all funds, only use a portion of the available funds during this period." A green arrow points to this warning box. At the bottom right are "Cancel" and "Set controller" buttons, with "Set controller" being circled in green. To the left, a blue box contains the instruction "4. Double-check warning messages." and to the right, another blue box contains "5. Click on Set controller to continue the procedure."

4. Double-check
warning
messages.

5. Click on **Set controller** to continue the procedure.

change controller account

stash account
ALTD@KSM (EXTENSION)

controller account
ALTD@KSM (EXTENSION)

⚠️ Distinct stash and controller accounts are recommended to ensure fund security. You will be allowed to make the transaction, but take care to not tie up all funds, only use a portion of the available funds during this period.

Cancel Set controller

Nature of the transaction.

The screenshot shows the Polkadot-JS extension interface for Kusama (kusama/9070 #8,192,487). The main title is "authorize transaction". Below it, the transaction details are listed: "Sending transaction staking.setController(controller)" and "(Re-)set the controller of a stash." A green box highlights the fee information: "Fees of 50.3328 micro KSM will be applied to the submission". To the right, a yellow box contains the section title "6. Check the transaction fees." and a detailed description of the transaction type, description, and fee estimations. A green arrow points from this box to the "Nature of the transaction." header above. At the bottom right of the transaction details, there are buttons for "Sign and Submit" (circled in green), "Cancel", and "Stop".

authorize transaction

Sending transaction staking.setController(controller)
(Re-)set the controller of a stash.

Fees of 50.3328 micro KSM will be applied to the submission

sending from my account
ALTD@KSM (EXTENSION)

Do not include a tip for the block author

call hash
0xad09c459c66cd2fc0b85240012bcd19e1bec407e2e32222743412fd0b56d3093

Sign and Submit

Cancel Sign and Submit

Stop

6. Check the transaction fees.

The details of the transaction including the type, the description (as available from the chain metadata) as well as parameters and fee estimations (as available) for this type of call.

The sending account that will be used to send this transaction. Any applicable fees will be paid by this account.

Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.

The call hash as calculated for this transaction

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

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The screenshot shows the Polkadot-JS extension interface for the Kusama network. A modal window titled "Transaction" displays the details of a transaction sent via the extension. The transaction summary includes:

- from: https://polkadotjs.org/apps/#/staking
- chain: Kusama
- version: 9070
- nonce: 248
- method: staking.setController(controller)
- info: (Re-)set the controller of a stash.
- lifetime: mortal, valid from 8,192,489 to 8,192,553

A green arrow points from a yellow callout box labeled "Summary of the transaction sent via the Polkadot-JS extension." to the transaction details in the modal. Another green arrow points from a blue callout box labeled "8. Enter your account's password and tick the box to remember your password, if necessary." to the "Remember my password for the next 15 minutes" checkbox in the password input field. A third green arrow points from a blue callout box labeled "9. Click on Sign the transaction to complete the procedure." to the "Sign the transaction" button at the bottom of the modal. At the top right of the extension interface, a progress bar indicates "staking.setController signing". A yellow callout box labeled "Progress of the transaction." is positioned above the progress bar.

Summary of the transaction sent via the Polkadot-JS extension.

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.

Progress of the transaction.

- Change reward destination.

The screenshot shows the Polkadot-JS web interface for the Kusama network. The top navigation bar includes links for Accounts, Network (selected), Governance, Developer, Settings, GitHub, and Wiki. Below the navigation is a secondary menu with tabs: Overview, Account actions (selected), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. A sidebar on the left indicates the user is in the Staking section. The main content area displays a table of stashes. The first row shows a stash with controller ALTD@KSM (EXTENSION) and nominations for ANAELLE LTD@KS. The total bonded amount is 10.0279 KSM. To the right of the nomination list are three dropdown menus: Active nominations (1), Inactive nominations (9), and Waiting nominations (5). A green arrow points to the three vertical dots icon next to the Waiting nominations dropdown, which is highlighted with a blue callout box containing the instruction: "1. Click on the 3 vertical dots to view Staking settings."

stashes	controller	rewards	bonded	
ALTD@KSM (EXTENSION)	ANAEILLE LTD@KS	Staked	10.0279 KSM	Active nominations (1) Inactive nominations (9) Waiting nominations (5)
			10.0279 KSM	<input type="checkbox"/> Stop ⋮

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The screenshot shows the Polkadot-JS Staking interface. At the top, there are tabs: Staking, Overview, Account actions (which is selected), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. Below the tabs are filters: All stashes (selected), Nominators, Validators, Inactive, and buttons to add a Nominator, Validator, or Stash. The main area displays 'stashes' with columns: controller, rewards, and bonded. It lists two stashes: 'ALTD@KSM (EXTENSION)' and 'ANAEILLE LTD@KS'. For 'ANAEILLE LTD@KS', it shows Staked: 10.0279 KSM, rewards: 10.0279 KSM, and nomination details: Active nominations (1), Inactive nominations (9), and Waiting nominations (5). A 'Stop' button and a more options icon are also present. A green arrow points to the 'Change reward destination' option in a dropdown menu on the right.

2. Click on **Change reward destination** to reset how/where your reward payouts are made.

- Bond more funds
- Unbond funds
- Withdraw unbonded funds
- Change controller account
Change reward destination →- Set nominees

3. Follow on-screen instructions carefully.

The stash and controller pair as linked. This operation will be performed via the controller.

All rewards will go towards the selected output destination when a payout is made.

Cancel Set reward destination

bonding preferences

Kusama
kusama/9070
#8,192,502

Staking

stashes

ALTD@

stash account
ALTD@KSM (EXTENSION) FegWWJq7AIwgkYguRAd796uvNVYburnURpBz7wZ9k...

controller account ANAELLE LTD@KSM HjcErRijmpoiBiKEHT3edPXH3NFycJogVwDPuByN...

Stash account (increase the amount at stake)

Stash account (increase the amount at stake)

Stash account (do not increase the amount at stake)

Controller account

Specified payment account

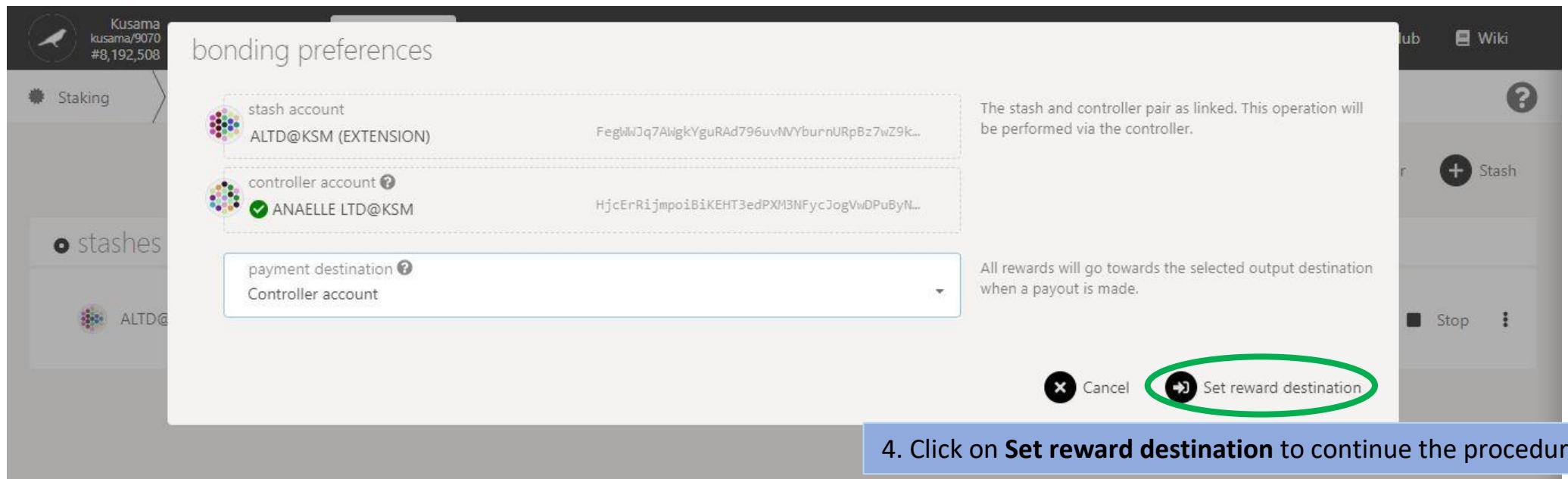
Wiki ?

+ Stash

Stop :

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Nature of the transaction.

The screenshot shows the Polkadot-JS extension interface for a Kusama node. The top bar displays the node name "kusama/9070" and the block number "#8,192,513". The main title is "authorize transaction" under the "Staking" tab. The transaction details are for "staking.setPayee(payee)" with the description "(Re-)set the payment target for a controller." A green box highlights the fee information: "Fees of 39.6663 micro KSM will be applied to the submission". The transaction status is "queued". A green arrow points from the "Nature of the transaction." text to the "staking.setPayee queued" status. A blue box labeled "5. Check the transaction fees." covers the middle section of the transaction details. Another blue box labeled "6. Click on Sign & submit to continue the procedure." covers the bottom right corner, which includes the "Sign and Submit" button, which is circled in green.

authorize transaction

Sending transaction `staking.setPayee(payee)`
(Re-)set the payment target for a controller.

Fees of 39.6663 micro KSM will be applied to the submission

sending from my account
ANAEILLE LTD@KSM

HjcErRijmpoiBIKEHT3edPXH3NFycJogVwDPuByN...

Do not include a tip for the block author

call hash
0x6fbf3cd12bb63dcf99c2dcb627080fb80d9dfa0d27962c5b20c5d8351ae18cab

Sign and Submit

staking.setPayee queued

The details of the transaction including the type, the description (as available from the chain metadata) as well as meters and fee estimations (as available) for this type of call.

The sending account that will be used to send this transaction. Any applicable fees will be paid by this account.

Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.

The call hash as calculated for this transaction

Cancel Sign and Submit

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

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The screenshot shows the Polkadot-JS extension interface for Kusama. A green arrow points from the text "Summary of the transaction sent via the Polkadot-JS extension." to the transaction summary in the center-left. Another green arrow points from the text "Progress of the transaction." to the top right where it says "staking.setPayee signing".

Summary of the transaction sent via the Polkadot-JS extension.

Anaelle LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByNe7hv9Ae

from https://polkadot.js.org/apps/#/staking
chain Kusama
version 9070
nonce 94
method ▶ staking.setPayee(payee)
info ▶ (Re-)set the payment target for a controller.
lifetime mortal, valid from 8,192,513 to 8,192,577

PASSWORD FOR THIS ACCOUNT
.....
 Remember my password for the next 15 minutes

Sign the transaction

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.

staking.setPayee signing

Progress of the transaction.

- Set nominees.

The screenshot shows the Polkadot-JS web interface for the Kusama network. The top navigation bar includes links for Accounts, Network (selected), Governance, Developer, Settings, GitHub, and Wiki. Below the navigation is a secondary menu with tabs: Overview, Account actions (selected), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. A sidebar on the left indicates the user is in the Staking section. The main content area displays a table of stashes. The first row shows a stash with controller ALTD@KSM (EXTENSION) and a nomination for ANAELLE LTD@KS, bonded amount 10.0279 KSM, and active nominations (1). The second row shows a stash with controller ANAELLE LTD@KS, bonded amount 10.0279 KSM, and inactive nominations (9). A blue callout box with a green arrow points to the three vertical dots next to the second stash entry, with the text: "1. Click on the 3 vertical dots to view Staking settings."

stashes	controller	rewards	bonded	
ALTD@KSM (EXTENSION)	ANAEILLE LTD@KS	Staked	10.0279 KSM	Active nominations (1) Inactive nominations (9) Waiting nominations (5)
			10.0279 KSM	Stop

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The screenshot shows the Polkadot-JS Staking interface. At the top, there are tabs: Staking (selected), Overview, Account actions (highlighted with a blue border), Payouts, Targets, Waiting, Slashes (with a notification count of 1), and Validator stats. Below the tabs are filtering options: All stashes (selected), Nominators, Validators, Inactive, and buttons to add a Nominator, Validator, or Stash. The main area displays 'stashes' with columns: controller, rewards, and bonded. Two stashes are listed: ALTD@KSM (EXTENSION) and ANAELLE LTD@KS. The ANAELLE entry shows it is Staked with 10.0279 KSM. To the right of these entries are dropdown menus for Active nominations (1), Inactive nominations (9), and Waiting nominations (5). A 'Stop' button and a more options icon are also present. A green arrow points from a callout box to the 'Set nominees' option in a dropdown menu on the right side of the screen. The callout box contains the following text: "2. Click on Set nominees to change your current selection of validators."

controller rewards bonded

ALTD@KSM (EXTENSION) ANAELLE LTD@KS Staked 10.0279 KSM

Active nominations (1)
Inactive nominations (9)
Waiting nominations (5)

Stop

Set nominees

2. Click on Set nominees to change your current selection of validators.

The screenshot shows the Polkadot-JS Staking interface with the 'nominate validators' tab selected. At the top, it displays the stash account (ALTD@KSM) and controller account (ANAELE LTD@KSM). Below this, two columns show 'candidate accounts' and 'nominated accounts'. The 'candidate accounts' column lists several validators, with the first one, JCghFN..KhPGez, highlighted by a green arrow. The 'nominated accounts' column lists six validators, all of which are checked (indicated by a green checkmark). A green box highlights the 'nominated accounts' section. In the bottom right corner, there are 'Cancel' and 'Nominate' buttons.

3. Follow the new instructions carefully.

The stash that is to be affected. The transaction will be sent from the associated controller account.

Nominators can be selected manually from the list of all currently available validators.

Once transmitted the new selection will only take effect in 2 eras taking the new validator election cycle into account. Until then, the nominations will show as inactive.

4. Click on 10-16 validators' names or addresses to add them to your selection.

5. Double-check warning messages.

⚠️ You should trust your nominations to act competently and honestly; basing your decision purely on their current profitability could lead to reduced profits or even loss of funds.

GUIDE TO POLKADOT-JS – PART II: Network

Version 2.0

The screenshot shows the Polkadot-JS Staking interface with the 'nominate validators' step highlighted. The top navigation bar includes 'Accounts', 'Network', 'Coverage', 'Developers', 'Settings', 'GitHub', and 'Wiki'. On the left, a sidebar shows 'Staking' and 'stashes' sections, with 'ALTD@...' selected. The main area displays the 'nominate validators' form. It includes fields for 'stash account' (ALTD@KSM (EXTENSION)) and 'controller account' (ANAELE LTD@KSM), both with their respective addresses. A 'filter by name, address...' input field is present. Below these are two lists: 'candidate accounts' (ALLNODES/41, SHOTMAKER/0, STAKE-OPS/1, ALLNODES/43, JACKFLASH/FORKLESSNATION) and 'nominated accounts' (MANTRADAO, EARNSTASH/03, SHAWN/04, ICEBERG NODES/1, MELANGE). A green box highlights the 'nominated accounts' list. A yellow warning box at the bottom left states: '⚠ You should trust your nominations to act competently and honest; basing your decision purely on their current profitability could lead to reduced profits or even loss of funds.' At the bottom right are 'Cancel' and 'Nominate' buttons, with 'Nominate' circled in green. To the right of the main form, explanatory text provides details about stash and controller accounts, nomination selection, and the effect of transmission.

nominate validators

stash account
ALTD@KSM (EXTENSION)
controller account
ANAELE LTD@KSM

filter by name, address...

candidate accounts

- ALLNODES/41
- SHOTMAKER/0
- STAKE-OPS/1
- ALLNODES/43
- JACKFLASH/FORKLESSNATION

nominated accounts

- MANTRADAO
- EARNSTASH/03
- SHAWN/04
- ICEBERG NODES/1
- MELANGE

⚠ You should trust your nominations to act competently and honest; basing your decision purely on their current profitability could lead to reduced profits or even loss of funds.

The stash that is to be affected. The transaction will be sent from the associated controller account.

Nominators can be selected manually from the list of all currently available validators.

Once transmitted the new selection will only take effect in 2 eras taking the new validator election cycle into account. Until then, the nominations will show as inactive.

6. Double-check your **selection of validators.**

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

Cancel Nominate

Nature of the transaction.

authorize transaction

Sending transaction `staking.nominate(targets)`
Declare the desire to nominate targets for the origin controller.

Fees of 105.6656 micro KSM will be applied to the submission

8. Check the transaction fees.

The details of the transaction including the type, the description (as available from the chain metadata) as well as parameters and fee estimations (as available) for this type of call.

sending from my account
ANAEILLE LTD@KSM

HjcErRijmpoiBiKEHT3edPXIM3NFycJogVwDPuByN...

Do not include a tip for the block author

call hash
0x387b5a8c224730a6e029b53f87ef8c92d60880bb073d5329d4f2939e9c09864d

Sign and Submit

The sending account that will be used to send this transaction. Any applicable fees will be paid by this account.

Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.

The call hash as calculated for this transaction

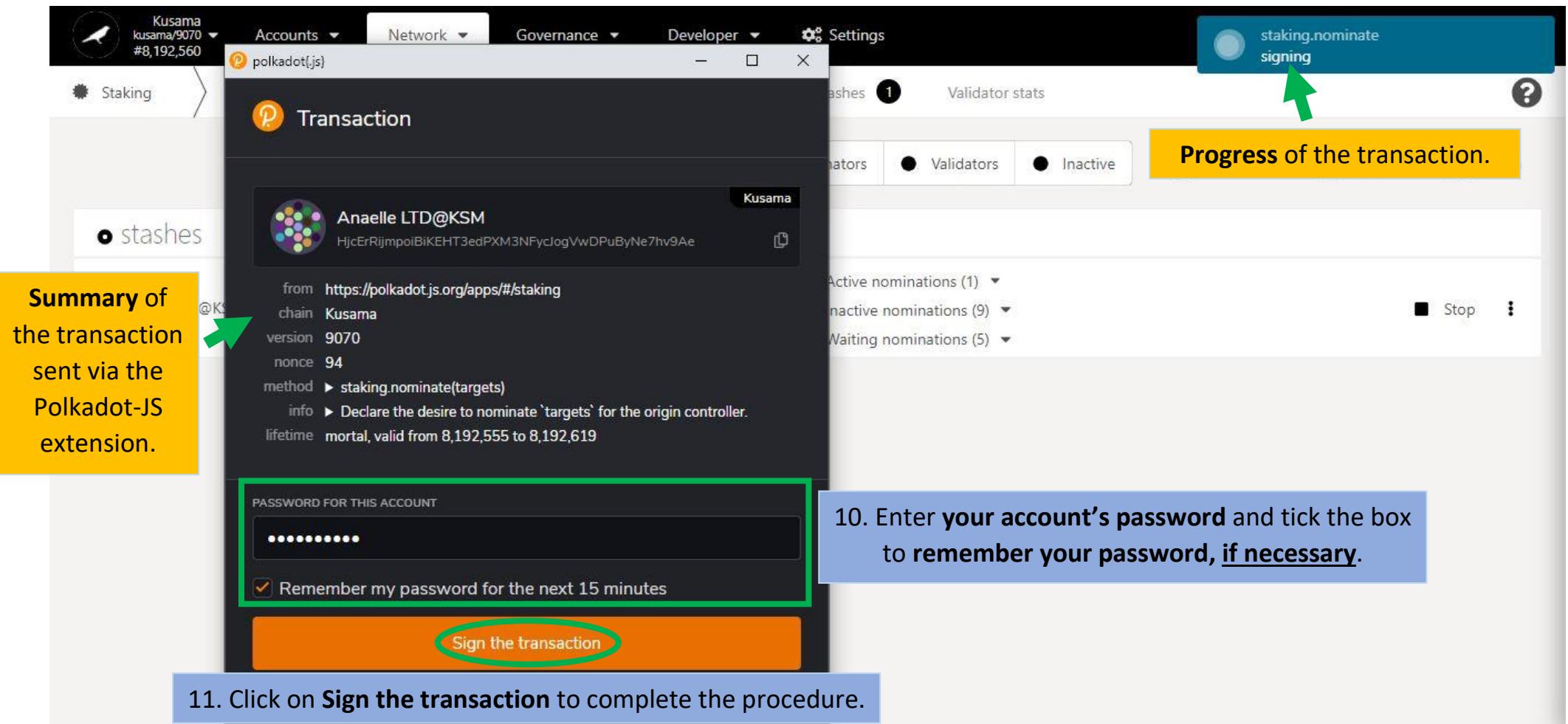
Cancel **Sign and Submit**

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

JACKFLASH/FORKLESSNATION **MELANGE**

⚠️ You should trust your nominations to act competently and honest; basing your decision purely on their current profitability could lead to reduced profits or even loss of funds.

Cancel **Nominate**



c) Check payouts from recent eras.

1. Click Payouts.

Time left for validators to send the reward payouts.
Note: Most validators will send the reward payouts within a day.

2. Click on Payout (all) to immediately receive rewards from your validator(s).

	eras	own	remaining
• payout/stash			
ALTD@KSM (EXTENSION)	2,434	0.0010 KSM	20 days 18 hrs
		0.0010 KSM	
• payout/validator			remaining
JACKFLASH/FORKLESSNATION	2,434	0.0010 KSM	20 days 18 hrs
		0.0010 KSM	1 own stashes

d) Check nomination targets.

1. Click Targets.

total staked
5.4360 MKSM 48%

returns
15.4%

lowest / avg staked
4,184 / 6,040 KSM 69%

last reward
571.7473 KSM

Key information on staking targets: **average returns, amount staked, and amounts rewarded.**

Most profitable Nominate selected

Next session Produced blocks Online message Nominating Oversubscribed Slashed Blocks nominations

filter by name, address or index

single from operator no 20%+ comm no at capacity recent payouts only elected only with an identity

validators nominators

2. Switch the **filters ON or OFF** to display your **targeted data**.
Ex: You can choose to view only validators who take <20% commission and are not full.

nominators	comm.	total stake	own stake	return
53	1079	0.00%	5,201.0601 KSM	53.2691 KSM 17.85%
40	992	0.00%	5,201.1276 KSM	52.2532 KSM 17.85%
38	396	0.00%	5,204.0231 KSM	10.1186 KSM 17.84%
35	1135	0.00%	5,205.6390 KSM	55.0159 KSM 17.83%

This validator is in your **current selection of validators**.

3. Scan through validators' data and **compare it to your staking targets**.

5. Click on **Nominate selected** to replace your current list of validators with a new selection.
 Note: If you do not select your current active validator, it will be removed!

You can click **Most profitable** to automatically select the top 16 rewarders.

			nominators	comm.	total stake	own stake	return		
★	11	ALLNODES/41	53	1079	0.00%	5,201.0601 KSM	53.2691 KSM	17.85%	<input checked="" type="checkbox"/> 
★	12	SHOTMAKER/0	40	992	0.00%	5,201.1276 KSM	52.2532 KSM	17.85%	<input checked="" type="checkbox"/> 
★	15	STAKE-OPS/1	38	396	0.00%	5,204.0231 KSM	10.1186 KSM	17.84%	<input type="checkbox"/> 
★	17	MELANGE	35	1135	0.00%	5,205.6390 KSM	55.0159 KSM	17.83%	<input checked="" type="checkbox"/> 

4. Tick the box to select **10-16 validators** that match your staking targets.

e) Check the list of waiting validators.

1. Click Waiting.

The screenshot shows the Polkadot-JS Staking interface. At the top, there is a navigation bar with tabs: Accounts, Network, Governance, Developer, Settings, GitHub, and Wiki. Below the navigation bar, there is a sub-navigation bar with tabs: Overview, Account actions, Payouts, Targets, Waiting, Slashes (with a notification badge '1'), Validator stats, and a question mark icon. A green arrow points to the 'Waiting' tab. Below the sub-navigation bar, there are several status indicators: Next session (blue), Produced blocks (5 green), Online message (green envelope), Nominating (green hand), Oversubscribed (red), Slashed (red skull), and Blocks nominations (red). There is also a filter input field labeled 'filter by name, address or index'. On the left, there is a section titled 'intentions' with a list of validators and their icons. On the right, there is a table with columns: nominators and commission. The 'nominators' column is highlighted with a green box and a green arrow points to the PS icon in the last row. The table data is as follows:

nominators	commission
Nominations (10)	10.00%
Nominations (134)	2.00%
Nominations (34)	2.00%
Nominations (21)	2.50%
Nominations (47)	3.00%
Nominations (26)	2.00%
Nominations (22)	3.00%

Number of nominations **backing each unelected validator.**

f) Check the list of slashed validators.

1. Click Slashes.

Key information on staking slashes: **validators & nominators concerned, time frames, amount.**

era 2,426 ✓ Cancel selected ✓ Cancel all

reporters	own	other	total	payout	
Nominators (1)	EZu6BF...RowHPr	0.0005 KSM	0.0858 KSM	0.0864 KSM	0.0043 KSM

2. Click on the slashed validator's name to view a summary of its account.

3. Click on the dropdown arrow to view slashed nominators' information.

All amounts slashed are used to **fund the Treasury**.

era 2426/unapplied BIT CAT/N2

g) Check the statistics of individual validators.

1. Click Validator stats.

Kusama
kusama/9070 #8,196,117

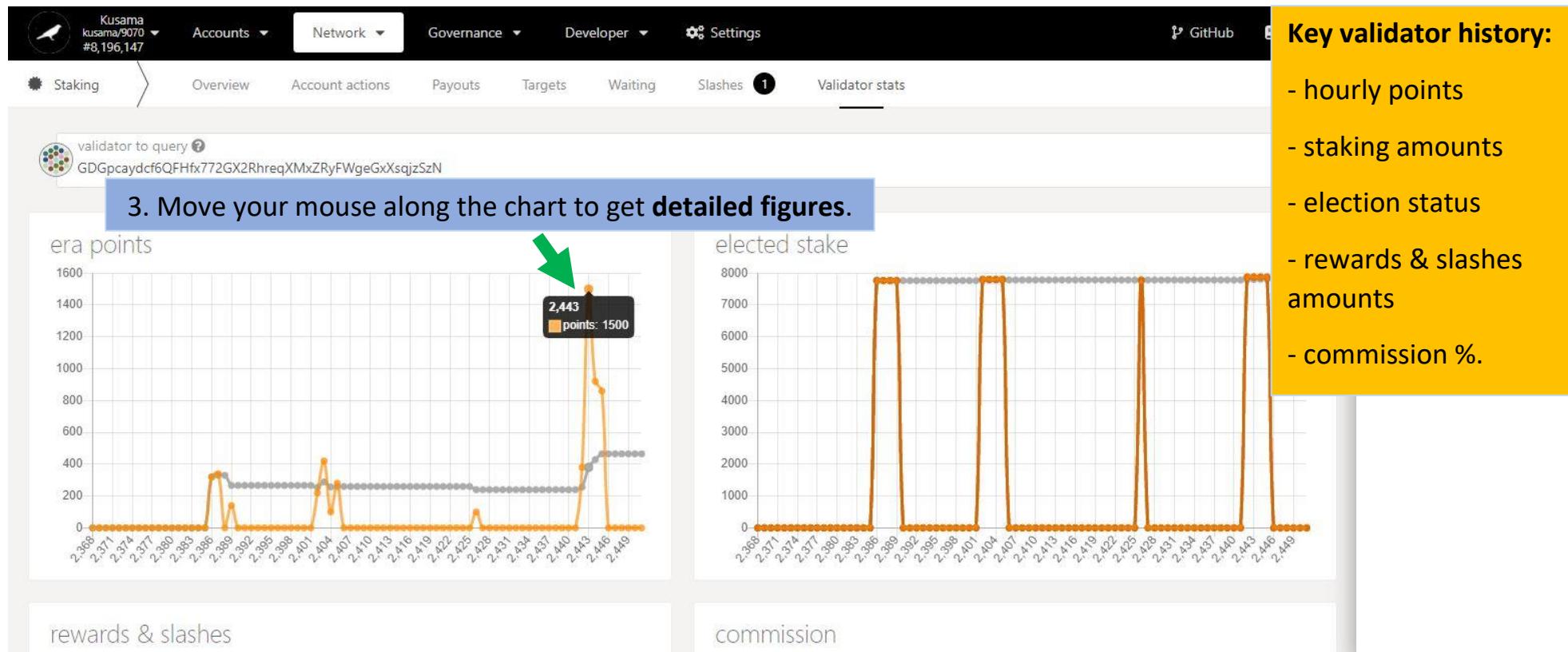
Accounts Network Governance Developer Settings

Staking Overview Account actions Payouts Targets Waiting Slashes 1 Validator stats

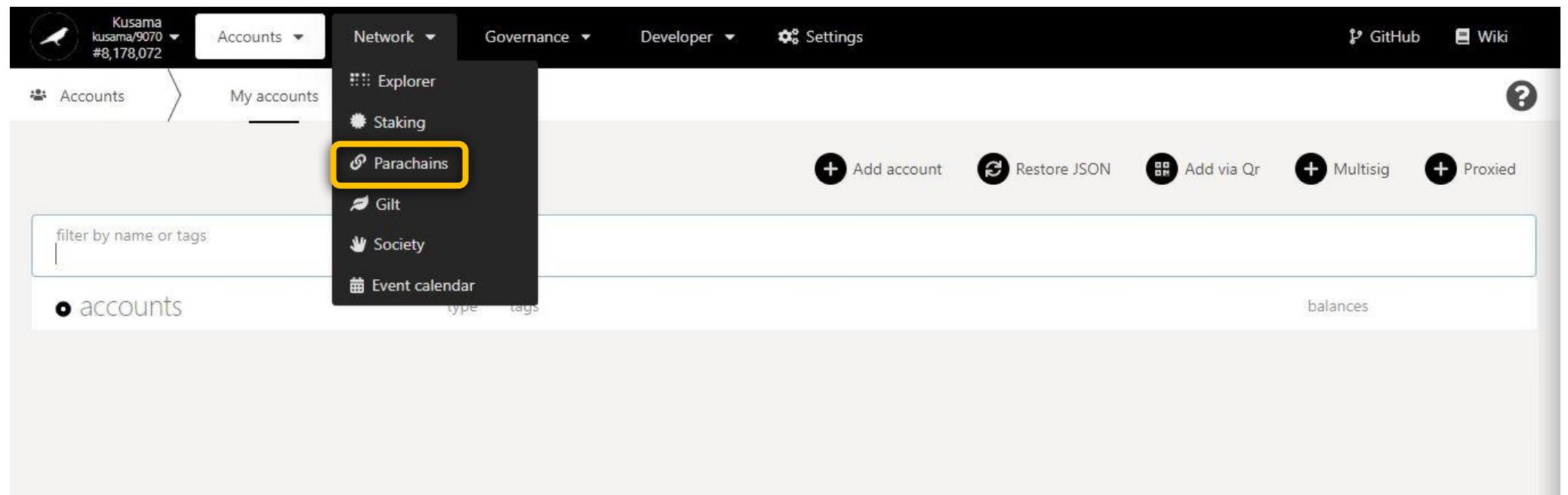
validator to query ?
GDGpcaydcf6QFHfx772GX2RreqXMxZRyFWgeGxXsqjzSzN

Github Wiki

2. Enter/Paste the **address of a validator**, then click the **arrow** to view the validator's information.



3. Parachains: Explore parachain-related activities.



a) View general parachain information.

Key information on parachains: waiting parathreads, current lease period's ID, and lease period's duration.

parachains	parathreads	current lease	lease period	finalized	epoch
4	16	13	42 days 16 days 32 mins	61% 8,236,477	1 hr 8 mins 42 s 85%

Parachains or Parathreads?

lifecycle	included	backed	timeout	chain	in/out (msg)	leases
1,000 Statemine Parachain	12 s	8,236,475	8,236,476	274,757 statemine/1	0 (0) 0 (0)	13 - 23 436 days 32 mins
2,000 Karura Parachain	6 s	8,236,476	8,236,475	92,217 karura/1002	0 (0) 0 (0)	13 - 20 310 days 32 mins
2,007 Shiden Parachain	6 s	8,236,476	8,236,475	3,878 shiden/1	0 (0) 0 (0)	13 - 20 310 days 32 mins
2,023 Moonriver Parachain	12 s	8,236,475	8,236,476	54,486 moonriver/53	0 (0) 0 (0)	13 - 20 310 days 32 mins

Parachains summary:

- **Included:** Blocks produced by parachain collators.
- **Backed:** Blocks validated by relay chain (para)validators.
- **Chain:** Parachain runtime (chain spec) versions.
- **In/Out (msg):** Cross-chain messages sent/received by the parachain.
- **Leases:** Lease period IDs allocated to the parachain (when it obtained a slot) and their total duration (in days and minutes).

Registered ParalIDs.

Registered names.

b) View onboarded parachains.

1. Click Parathreads.

2. Click ParalID to register your network as a parathread.

parathread	Registered names.	lifecycle	Parachains or Parathreads?	leases
2,001 Bifrost	LIEBI TECH	Parathread		None Deregister
2,004 Khala Network	DaEJPY...VPeIvv...	Parathread		None Deregister
2,006 Darwinia Crab Redire...	CoxPms..MxXqZ9	Parathread		None Deregister
2,008 Mars	ARESLAB	Parathread		None Deregister
2,009 PolkaSmith by Polka...	POLKAFOUNDRY	Parathread		None Deregister

Registered ParalIDs.

Addresses of currently registered parathreads.

NEVER SEND YOUR KSM TO A PARATHREAD'S ADDRESS!

Lease period IDs obtained.

c) View auctions' progress.

1. Click **Auctions**.

Kusama
kusama/9070
#8,236,487

Accounts ▾ Network ▾ Governance ▾ Developer ▾ Settings GitHub Wiki

Parachains Overview Parathreads Auctions

Key information on auctions: auction number, activity, lease period IDs, and timings.

auctions active first - last end period at
4 yes 13 - 20 #8,251,581
1 day 1 hr

Countdown to auction's end period
(during which the winning bid will be determined).

bids bidder crowdloan leases value

latest	2,004	Khala Network	F3opxR...CSn4SK	Yes	13 - 20	56,678.9716 KSM

Is there a crowdloan campaign associated to this bid?

Address(es) of current bidder(s).

NEVER SEND YOUR KSM TO A BIDDER'S ADDRESS!

Targeted lease period IDs.

KSM amount submitted for this bid.

2. Check the latest bid(s) included in recent blocks.

d) View and contribute to crowdloans.

1. Click Crowdloan.

Kusama
kusama/9070
#8,221,932

Accounts Network Governance Developer Settings

Parachains Overview Parathreads Auctions Crowdloan

Key information on crowdloans: active funds, and KSM amount locked in funds.

funds 17 active raised / cap 281,579 / 11.3760 MKSM 2%

total raised / cap 988,652 / 13.8760 MKSM 7%

2. Double-check warning messages.

Do not transfer any funds directly to a specific account that is associated with a loan or a team. Use the "Contribute" action to record the contribution on-chain using the crowdloan runtime module. When the fund is dissolved, after either the parachain lease expires or the loan ending without winning, the full value will be returned to your account by the runtime. Funds sent directly to an account, without using the crowdloan functionality, may not be returned by the receiving account.

● ongoing			ending	leases	raised	count	
2,001	Bifrost	Active	17 days 46 mins #8,467,200	13 - 20	46,849.3914 / 1.0000 MKSM 4.68%	519	+ Contribute Homepage
2,004	Khala Network	Active	17 days 46 mins #8,467,200	13 - 20	42,028.3202 / 1.0000 MKSM 4.20%	1,838	+ Contribute Homepage
2,006	Darwinia Crab Redire...	Active	17 days 46 mins #8,467,200	13 - 20	2,867.5209 / 1.0000 MKSM 0.28%	346	+ Contribute Homepage

Time left to fund a crowdloan and win an auction.

3. Click Contribute to lend your KSM to a fund.

KSM amount raised by each fund **out of its total desired cap.**

Minimum crowdloan contribution is **0.1 KSM**.

contribute to fund

Kusama
kusama/9070
#8,221,940

Parachains

Wiki

4. Follow on-screen instructions carefully.

This account will contribute to the crowdloan.

The amount to contribute from this account.

The above contribution should more than minimum contribution amount and less than the remaining value.

contribute from
ANAELE LTD@KSM

contribution
1

KSM

minimum allowed
99.9999 milli

remaining till cap
997.1324 Kilo

ongoing

Cancel + Contribute

5. Click on **Contribute** to continue the procedure.

Nature of the transaction.

The screenshot shows the Polkadot-JS extension interface for a Kusama parachain. The top bar displays the chain name "kusama/9070" and the balance "#8,221,947". The main title is "authorize transaction". Below it, the transaction details are shown: "Sending transaction crowdloan.contribute(index, value, signature)". A note states: "Contribute to a crowd sale. This will transfer some balance over to fund a parachain slot. It will be withdrawable when the crowdloan has ended and the funds are unused." A green box highlights the fee information: "Fees of 42.3329 micro KSM will be applied to the submission". To the right, a yellow box labeled "Nature of the transaction." has a green arrow pointing to the transaction type "crowdloan.contribute queued". The transaction type is preceded by a blue icon of two crossed arrows. The "Sign and Submit" button at the bottom right is circled in green.

authorize transaction

Sending transaction `crowdloan.contribute(index, value, signature)`

Contribute to a crowd sale. This will transfer some balance over to fund a parachain slot. It will be withdrawable when the crowdloan has ended and the funds are unused.

Fees of 42.3329 micro KSM will be applied to the submission

sending from my account
ANAEILLE LTD@KSM

HjcErRijmpoiBiKEHT3edPXl3NFycJogVwDPuByN...

Do not include a tip for the block author

call hash
0x09c05aac9441af106de92d8b299e185fec796f762748469558374edb331343a3

Sign and Submit

6. Check the transaction fees.

The details of the transaction including the type, the description (as available from the chain metadata) as well as any parameters and fee estimations (as available) for type of call.

The sending account that will be used to send this transaction. Any applicable fees will be paid by this account.

Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.

The call hash as calculated for this transaction

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

Cancel Sign and Submit

+ Contribute

The screenshot shows the Polkadot.js extension interface. On the left, a sidebar displays account information: Kusama, kusama/9070, #8,221,953, and a balance of 17 funds. The main window shows a transaction titled "Transaction" for account "Anaelle LTD@KSM". The transaction details include:

- from: https://polkadot.js.org/apps/#/parachains/crowdloan
- chain: Kusama
- version: 9070
- nonce: 94
- method: crowdloan.contribute(index, value, signature)
- info: Contribute to a crowd sale. This will transfer some balance over...
- lifetime: mortal, valid from 8,221,948 to 8,222,012

A yellow box on the left labeled "Summary of the transaction sent via the Polkadot-JS extension." has a green arrow pointing to the transaction details. A blue box at the bottom labeled "9. Click on Sign the transaction to complete the procedure." has a green arrow pointing to the "Sign the transaction" button. A blue box on the right labeled "8. Enter your account's password and tick the box to remember your password, if necessary." has a green arrow pointing to the password input field and the "Remember my password for the next 15 minutes" checkbox. A yellow box on the right labeled "Progress of the transaction." has a green arrow pointing to the "crowdloan.contribute signing" status bar.

Summary of the transaction sent via the Polkadot-JS extension.

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.

Progress of the transaction.

GUIDE TO POLKADOT-JS – PART II: Network

Version 2.0

Kusama
kusama/9090
#9,035,016

Accounts Network Governance Developer Settings GitHub Wiki

Parachains Overview Parathreads Auctions Crowdloan

funds 23 active raised / cap 454,445 / 5.5922 MKSM 8% total raised / cap 1.5690 M / 13.0922 MKSM 11%

+ Add fund

⚠️ Do not transfer any funds directly to a specific account that is associated with a loan or a team. Use the "Contribute" action to record the contribution on-chain using the crowdloan runtime module. When the fund is dissolved, after either the parachain lease expires or the loan ending without winning, the full value will be returned to your account by the runtime. Funds sent directly to an account, without using the crowdloan functionality, may not be returned by the receiving account.

● ongoing	ending	leases	raised	count	
2,008 A Mars Active ARESLAB	44 days 13 hrs #9,676,800	15 - 22	81,8000 / 220,000,0000 KSM 0.03%	25	+ Contribute Homepage
2,009 O PolkaSmith by Polka... Active POLKAFOUNDRY	44 days 13 hrs #9,676,800	15 - 22	12,460,3763 / 1,0000 MKSM 1.24%	925	+ Contribute Homepage
2,012 C Crust Shadow Active F2fjh..._fxXF6P	44 days 13 hrs #9,676,800	15 - 22	655,9418 / 80,000,0000 KSM 0.81%	97	+ Contribute Homepage
2,013 S SherpaX Active EY1js3...23ZpTM	44 days 13 hrs #9,676,800	15 - 22	6,621,4786 / 1,0000 MKSM 0.66%	413	+ Contribute Homepage

10. Click on the **dropdown arrow** to view your crowdloan contribution.

GUIDE TO POLKADOT-JS – PART II: Network

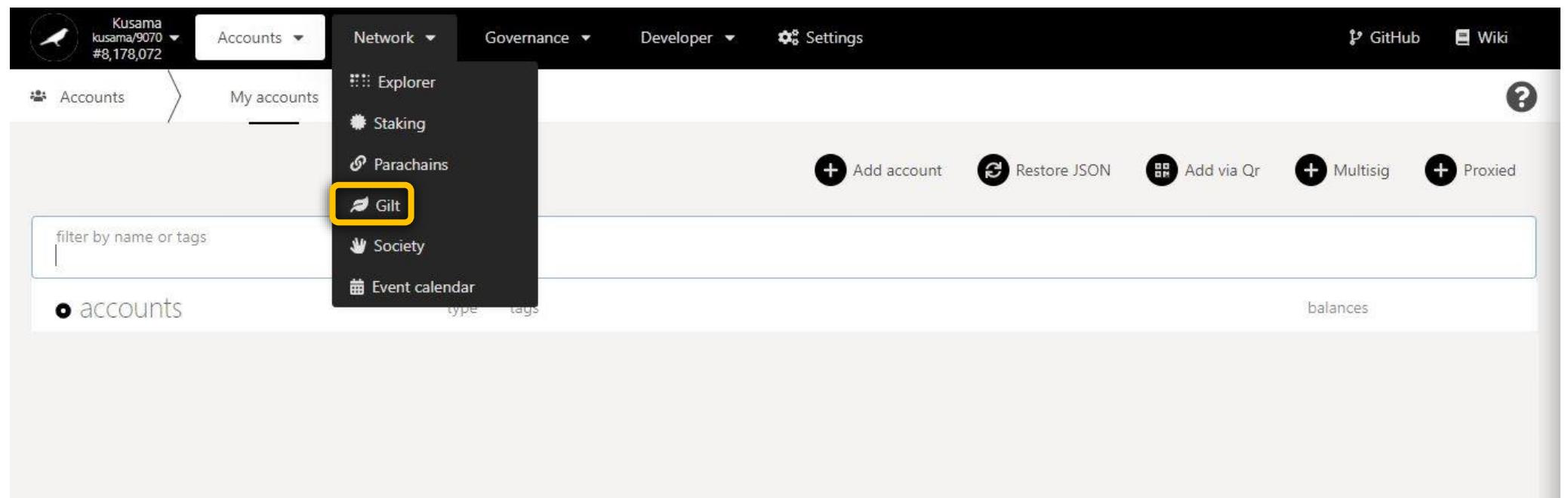
Version 2.0

The screenshot shows the Polkadot.js Network interface with the 'Network' tab selected. In the top navigation bar, there are links for 'Accounts', 'Governance', 'Developer', and 'Settings'. On the right, there are links for 'GitHub' and 'Wiki', along with system information: 'Parity Polkadot v0.9.9', 'api v5.7.1', and 'apps v0.95.2-70'. Below the navigation, there are tabs for 'Parachains', 'Overview', 'Parathreads', 'Auctions', and 'Crowdloan', with 'Crowdloan' being the active tab. A progress bar indicates 'active raised / cap' at 8% and 'total raised / cap' at 11%. A button '+ Add fund' is visible. A warning message in a yellow box states: '⚠️ Do not transfer any funds directly to a specific account that is associated with a loan or a team. Use the "Contribute" action to record the contribution on-chain using the crowdloan runtime module. When the fund is dissolved, after either the parachain lease expires or the loan ending without winning, the full value will be returned to your account by the runtime. Funds sent directly to an account, without using the crowdloan functionality, may not be returned by the receiving account.' Below this, a table lists ongoing crowdloans:

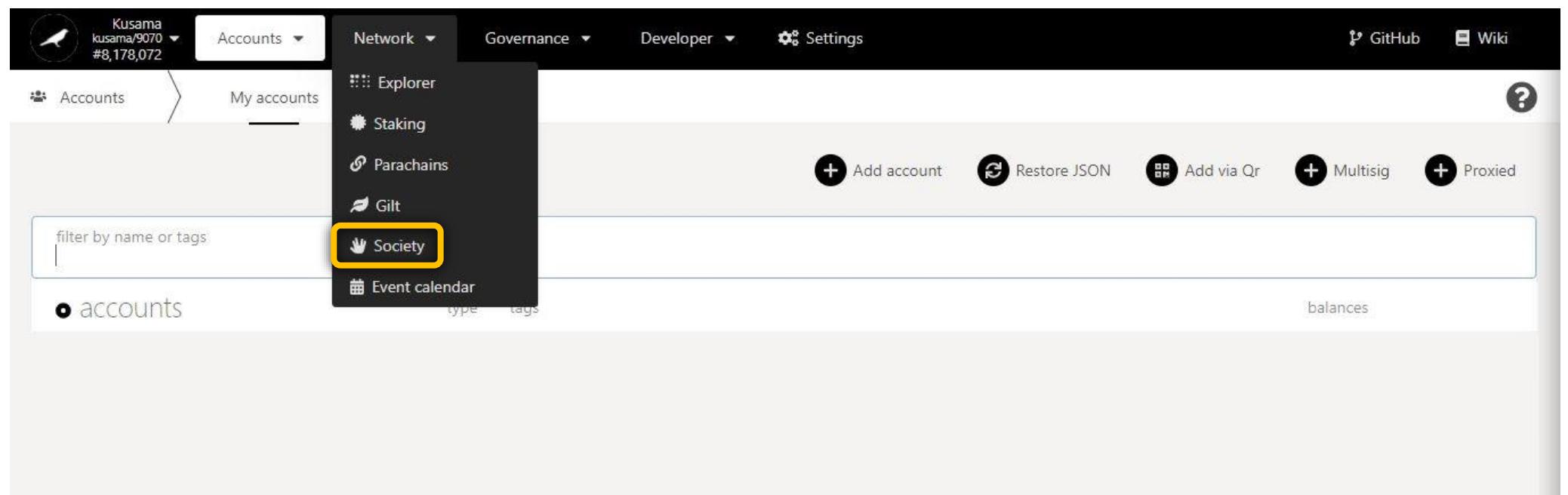
				ending	leases	raised	count	
2,008	Mars	Active	ARESLAB	44 days 13 hrs #9,676,800	15 - 22	81,8000 / 220,000,000 KSM 0.03%	25	+ Contribute Homepage
2,009	PolkaSmith by Polka...	Active	POLKAFOUNDRY	44 days 13 hrs #9,676,800	15 - 22	12,460,3763 / 1,0000 MKSM 1.24%	925	+ Contribute Homepage
2,012	Crust Shadow	Active	F2fjh..._fxXF6P	44 days 13 hrs #9,676,800	15 - 22	655,9418 / 80,000,000 KSM 0.81%	97	+ Contribute Homepage
2,013	SherpaX	Active	EY1js..._23ZpTM	44 days 13 hrs #9,676,800	15 - 22	6,621,4786 / 1,0000 MKSM 0.66%	413	+ Contribute Homepage

11. Your contributing account and contribution amount are now visible!

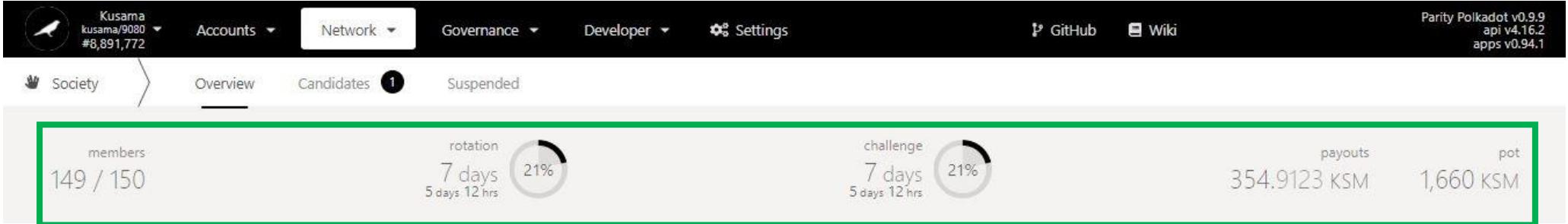
4. Gilt: View and participate in auctions for inflation-protected KSM derivatives. [TBC]



5. Society: View and participate in *Kappa Sigma Mu* activities.



a) View Society members' roles.



The screenshot shows the Polkadot.js Network interface for the Kusama network. The top navigation bar includes links for Accounts, Network (selected), Governance, Developer, Settings, GitHub, and Wiki. The bottom navigation bar shows tabs for Society (selected), Overview, Candidates (1), and Suspended. A green box highlights the Society section, which displays the following data:

members	rotation	challenge	payouts	pot
149 / 150	7 days 5 days 12 hrs 21%	7 days 5 days 12 hrs 21%	354.9123 KSM	1,660 KSM

A yellow callout box below the Society section contains the text: "Key information on Society: number of members, countdown to the change of members' roles, time left for the completion of challenges, scheduled payouts to members, total value of Society's pot."

The screenshot shows the Polkadot.js interface with a green border around the left sidebar. The sidebar contains two sections: "defender" and "members".

- defender:** Shows a user icon and the address DzUa9P...orxbzu.
- members:** Shows a list of users with their roles:
 - 42NQM (society head)
 - THE FOUNDER (founder)
 - JAM (skeptic)
 - NING (skeptic)
 - 4Xmec (skeptic)
 - 5BBVG (skeptic, payout)
 - JFGuwL...Bpzq2h (skeptic)
 - 5RXV2 (skeptic)
 - Fr6Pbz...o7BwCw (skeptic)
 - HyfGd2...Li92nn (skeptic)
 - ED74i7...PN7LE4 (skeptic)
 - Hpaece...ZGRst6 (skeptic)
 - KSM (voted)
 - DlWvsn...bnz2Dv (strikes)

Society roles in details:

The Kappa Sigma Mu (KΣM) is a Kusama-native organisation created on 20th January 2020.

The Society has a set of pre-defined on-chain and off-chain rules for membership acquisition, role attribution, and challenge completion.

Members: Kusama blockchain users who have successfully been vetted by the Society.

Candidate: A user who has submitted a bid and Proof-of-Ink (Pol) to become a member and must receive approvals from the members to join the Society. Also known as “Member-candidate”.

Defender: A member who has submitted a Proof-of-Ink (Pol) and must receive approvals from the members to remain in the Society. Also known as “Challenged-member”.

Society head: A winning candidate chosen at random to become a Head. Also known as the “parent member”.

Founder: The anonymous user who founded the Society. Also known as the “original Head”.

Skeptic: A member who has been selected to vote by approving or rejecting a Candidate’s bid or a Defender’s Pol. Note: A no-vote equals to a rejection.

The screenshot shows the Polkadot.js interface with a light gray background. At the top right, there are buttons for "Approvals (1)" and "Vote". Below that is a table with columns "voted on" and "strikes".

voted on	strikes
	0 🔗
	2 🔗
	6 🔗
	4 🔗
	3 🔗
Payouts (1) 🔗	2 🔗
	2 🔗
Payouts (1) 🔗	1 🔗
	1 🔗
	1 🔗
Payouts (1) 🔗	0 🔗
	0 🔗
Candidate, Defender	1 🔗
	9 🔗

b) View Society activities.

members	Society activities in detail:	Payouts (1)
42NQM (society head)	The Society has an <u>extensive system of pre-defined tasks and feedback mechanisms</u> to ensure that all members remain honest and engaged over time.	0
THE FOUNDER (founder)	Votes: Approval or rejection of a Candidate's bid or a Defender's Pol. <u>One of all members' votes is randomly selected as the final vote</u> on a Candidate or Defender.	2
JAM (skeptic)		6
NING (skeptic)		4
4xmec (skeptic)		3
5BBVG (skeptic, payout)	Strikes: Punishment for failure <u>to vote or for voting opposite to the randomly selected final vote</u> . Note: The maximum number of strikes is 10.	2
JFGuwL...BpZq2h (skeptic)		2
5RXV2 (skeptic)		
Fr6Pbz...o7BWcw (skeptic)	Payouts: Reward for being a member of the Society that is <u>based on the original bid amount</u> . This amount is taken from the Society pot, which is funded by a 0.2% burn of Kusama Treasury. Note: Payouts need to be claimed manually.	1
HyfGd2...Li92nn (skeptic)		0
ED74i7...PN7LE4 (skeptic)	Slashes: Punishment for voting opposite to the randomly selected final vote. This amount is taken from the opposing member's pending payout and <u>transferred as an escrowed reward</u> to the approving member's payout.	0
Hpaece...ZGRstG (voted)		Candidate, Defender 1
DiWvsn...bnz2Dv (strikes)		9

1. Click on the dropdown arrow to view the payout information.

GUIDE TO POLKADOT-JS – PART II: Network

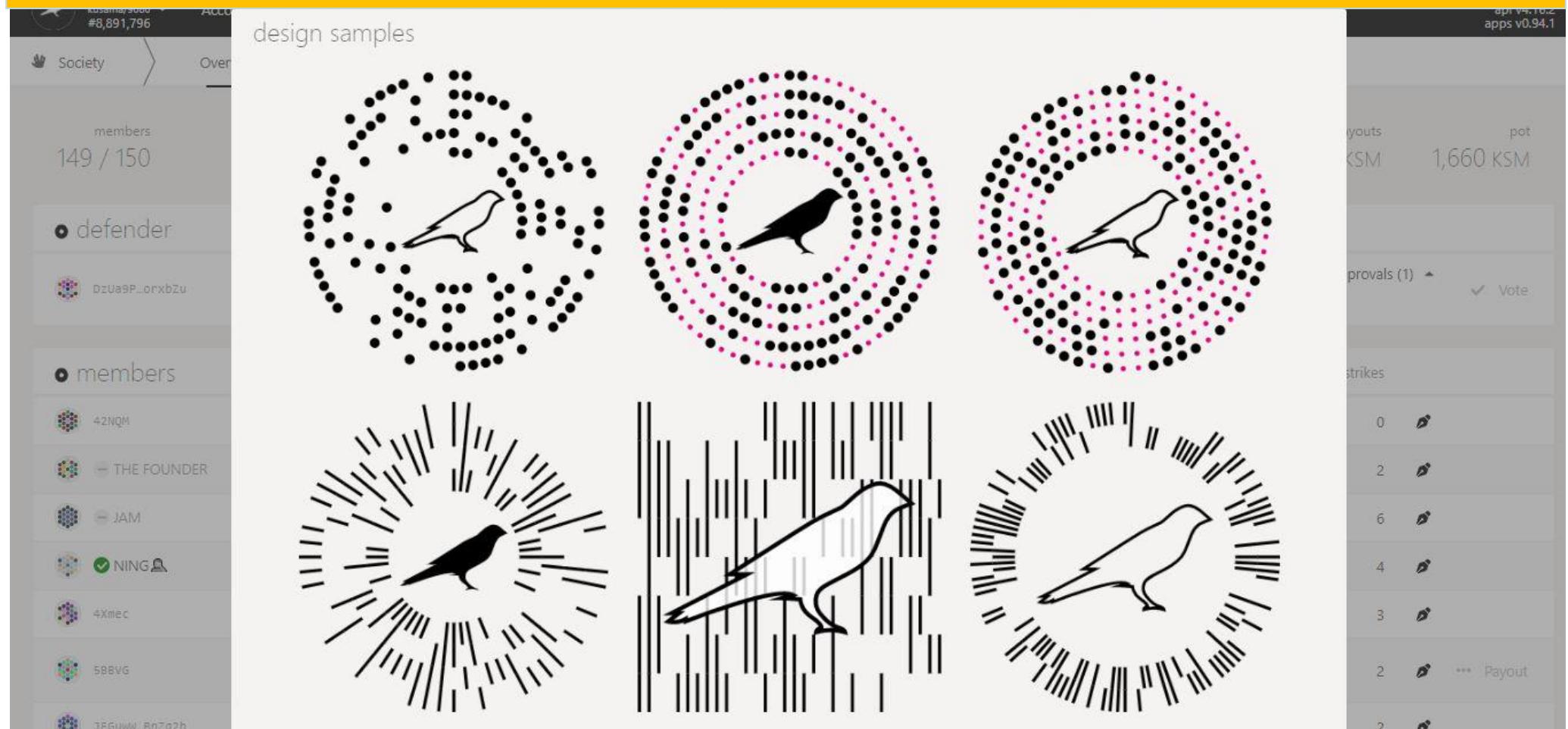
Version 2.0

The screenshot shows the Polkadot.js Network interface for the Kusama network. The top navigation bar includes links for Accounts, Network (selected), Governance, Developer, Settings, GitHub, and Wiki. The Network dropdown shows "Kusama kusama/9080 #8,891,791". The main content area displays Society statistics: members (149 / 150), rotation (7 days, 21%), challenge (7 days, 21%), payouts (354.9123 KSM), and pot (1,660 KSM). Below this, the "defender" section lists a single voter (DzUa9P...orxbZu) with one approval (1) and a "Vote" button. The "members" section lists several members with their roles: society head (42NQM), founder (THE FOUNDER), skeptic (JAM, NING, 4Xmec, 5BBVG), and a member with both skeptic and payout roles (JFGuW...BpZq2h). A yellow box highlights the "Amount to be paid." (0.9999 KSM) and the "Block number at which the payout will be processed." (#8,872,320). A green arrow points from the text "Amount to be paid." to the payout amount, and another green arrow points from the text "Block number at which the payout will be processed." to the block number.

Amount to be paid.

Block number at which the payout will be processed.

Proof-of-Ink: Society members must provide a proof of membership on an ongoing basis by showing a picture of their Kusama tattoo that meets strict requirements (i.e permanent, over 2.54 cm in size, with an ID of the Kusama network and the current Society head).



c) View Society candidates, candidacy status, and bid kinds.

The screenshot shows two instances of the Polkadot.js interface. The top instance is for the Kusama network (kusama/9080, #8,891,772), and the bottom instance is for the Kusama network (kusama/9080, #8,891,818). Both instances show the 'Society' tab selected, with the 'Candidates' tab active. A green arrow points to the 'Candidates' tab in the top instance, with the text '1. Click on Candidates.' overlaid. Below this, a blue box contains the text '2. The list of successful bidders and queued bidders is now displayed!' with a green arrow pointing to the list of candidates. The bottom instance shows a list of candidates and bids. A green arrow points to a dropdown arrow next to the 'Skeptics (10)' entry, with the text '3. Click on the dropdown arrow to see the list of Skeptics who have cast their vote.' overlaid. The list includes:

candidates	bid kind	value
Ft2cSC...VuamvW	Vouch	42NQM 0.0000 KSM
	Skeptics (10)	Approvals (1)

bids	bid kind	value
SANGO XANGO	Deposit	0.0000 KSM
4Dog3	Deposit	0.0000 KSM
Daw7ho_iLwhy6	Deposit	0.0000 KSM
DOT ONE	Deposit	0.0000 KSM
Hgm6Rp...2LNuhs	Deposit	0.0100 KSM

GUIDE TO POLKADOT-JS – PART II: Network

Version 2.0

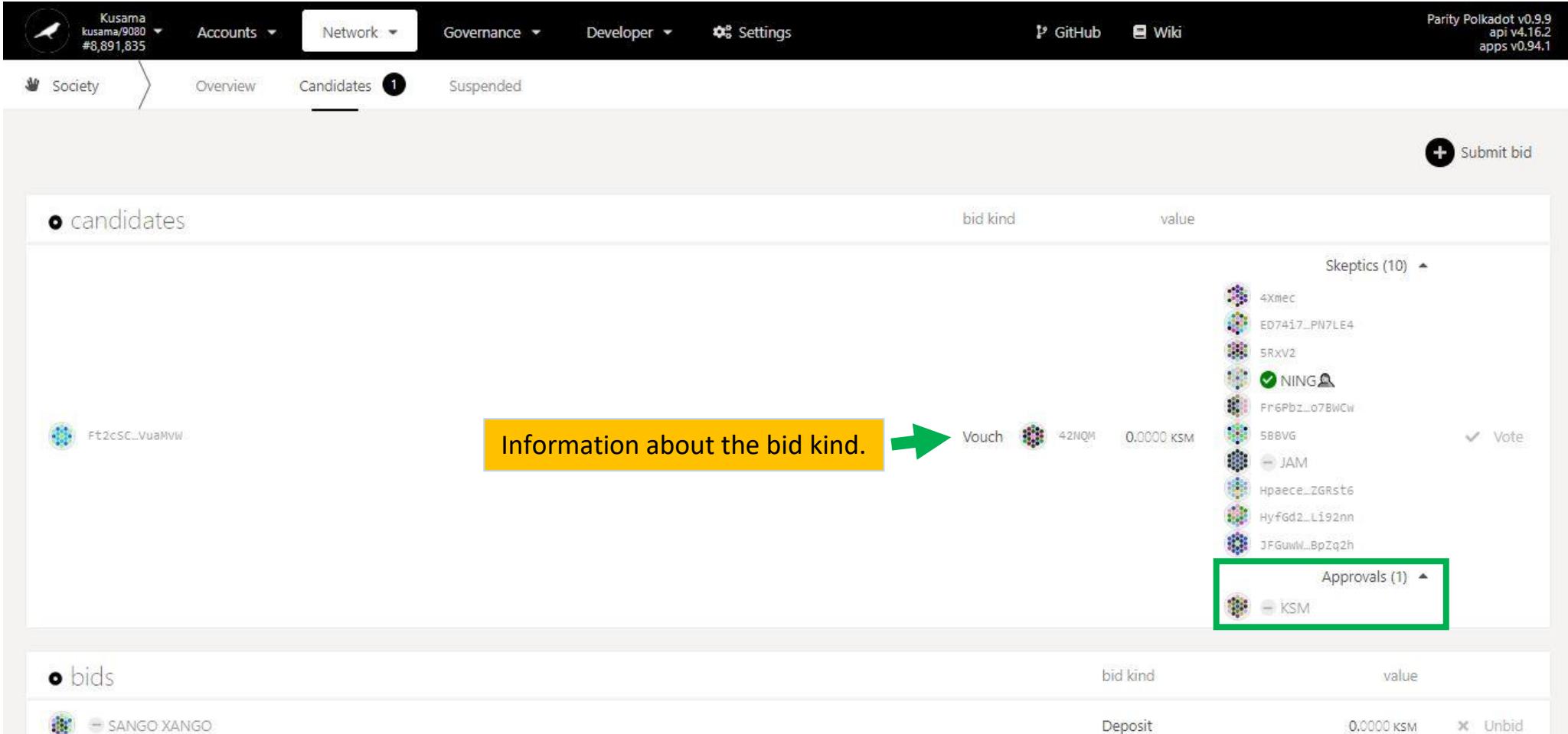
The screenshot shows the Polkadot.js Network interface with the following details:

- Top Bar:** Kusama, kusama/9080, #8,891,825, Accounts, Network (selected), Governance, Developer, Settings, GitHub, Wiki, Parity Polkadot v0.9.9, api v4.16.2, apps v0.94.1.
- Society Tab:** Society, Overview, Candidates (1), Suspended.
- Candidates Tab:** Shows a table with columns: bid kind, value. One row is visible: Vouch, 42NQM, 0.0000 KSM.
- Skeptics (10) Dropdown:** A green box highlights this dropdown menu, listing accounts: 4Xmec, ED7417...PN7LE4, 5RXV2, NING (with a checkmark and a person icon), FR6PBZ...07BWcW, 5BBVG, JAM, Hpaece...zGRst6, HyfGd2...Li92nn, JFGuwL...BpZq2h.
- Approvals (1) Dropdown:** A blue callout box with a green arrow points to this dropdown menu, listing accounts: SANGO XANGO, 4Dog3.
- Bottom Buttons:** Deposit, 0.0000 KSM, Unbid.

4. Click on the dropdown arrow to see who voted for an approval or a rejection.

GUIDE TO POLKADOT-JS – PART II: Network

Version 2.0



The screenshot shows the Polkadot.js Network interface with the following details:

Top Bar: Kusama, kusama/9080 #8,891,835, Accounts, Network (selected), Governance, Developer, Settings, GitHub, Wiki, Parity Polkadot v0.9.9 api v4.16.2 apps v0.94.1.

Society Tab: Overview, Candidates (1), Suspended.

Candidates Section: A table with columns: candidates, bid kind, value. It lists "Skeptics (10)" and "Approvals (1)".

- Skeptics (10):** Ft2cSC...VuaMvw, Vouch, 42NQM, 0.0000 KSM, with a "Vote" button.
- Approvals (1):** KSM, with a "Unbid" button.

Callout Box: A yellow box with the text "Information about the bid kind." is overlaid on the "Vouch" column of the first candidate row. A green arrow points from this box to the "Vouch" label.

Bids Section: A table with columns: bids, bid kind, value. It lists "SANGO XANGO" with a "Deposit" of 0.0000 KSM and a "Unbid" button.

GUIDE TO POLKADOT-JS – PART II: Network

Version 2.0

The screenshot shows the Polkadot-JS Network interface with the 'Society' module selected. The top navigation bar includes links for 'Network', 'Governance', 'Developer', 'Settings', 'GitHub', and 'Wiki'. The right side of the header displays the Parity Polkadot version (v0.9.9), API version (v4.16.2), and Apps version (v0.94.1). Below the header, the 'Society' section has tabs for 'Overview', 'Candidates' (selected), and 'Suspended'. A 'Submit bid' button is located in the top right corner of the main content area.

candidates

Bid kinds in detail:

To join the Society, users can either proceed independently or get an existing member to endorse their bid.

Bids represent the amounts that users would like to get as a payout from the Society pot. Successful bidders are promoted as Candidates. Note: The maximum number of successful bidders per rotation period is 10.

Deposit: When a user submits a bid by him/herself.

Vouch: When a member submits a bid on behalf of a user and earns a tip for it.

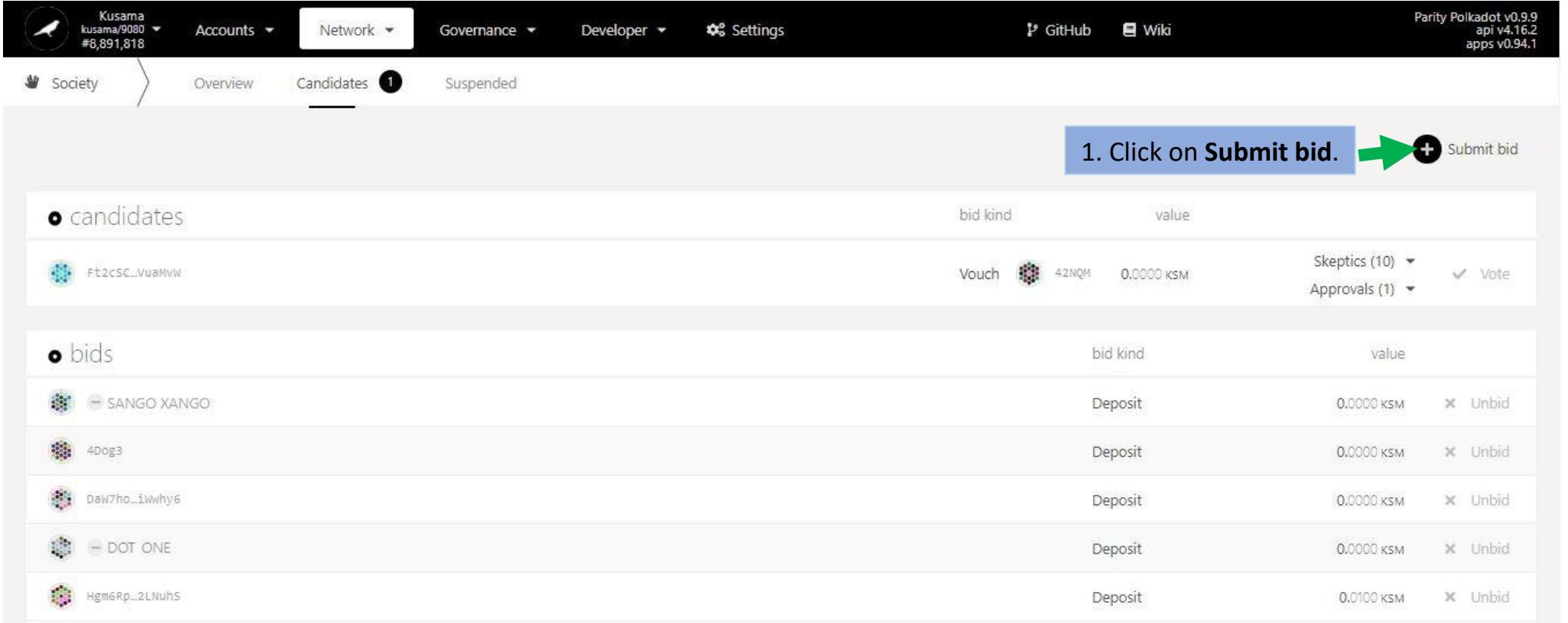
bids

/* SNIP */

bid kind	value
Vouch	42NQM 0,000 KSM
Skeptics (10)	✓ Vote
Approvals (1)	

bid kind	value
Deposit	0,0150 ksm
Deposit	0,2500 ksm
Deposit	1,0000 ksm
Deposit	5,9998 ksm
Deposit	7,9000 ksm
Vouch	EtJMBI...XynR6K 9,0000 ksm
Deposit	9,9999 ksm
Vouch	4t3t4 20,0000 ksm
Deposit	65,0000 ksm
Deposit	100,0000 ksm
Deposit	500,0000 ksm
Deposit	900,0000 ksm
Deposit	951,0000 ksm
Deposit	999,0000 ksm

d) Submit a candidacy bid via deposit.



1. Click on **Submit bid.** 

Kusama
kusama/9080
#8,891,818

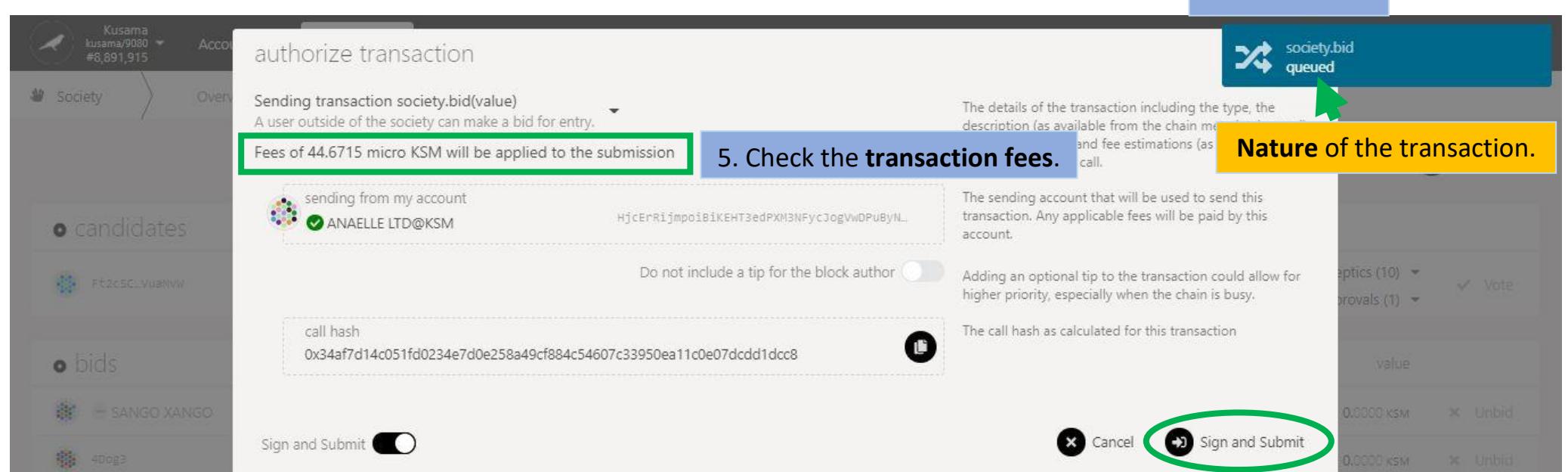
Accounts Network Governance Developer Settings GitHub Wiki

Society Overview Candidates 1 Suspended

	bid kind	value	
● candidates	Vouch	42NQM 0.0000 KSM	Skeptics (10) Approvals (1) 
● bids	Deposit	0.0000 KSM 	SANGO XANGO
	Deposit	0.0000 KSM 	4Dog3
	Deposit	0.0000 KSM 	Daw7ho_iwwhy6
	Deposit	0.0000 KSM 	DOT ONE
	Deposit	0.0100 KSM 	Hgm6Rp..2LNuhs



2. Follow on-screen instructions carefully.



5. Check the transaction fees.

Nature of the transaction.

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

The screenshot shows the Polkadot-JS extension interface on a Kusama network. A yellow box on the left contains the text: "Summary of the transaction sent via the Polkadot-JS extension." An arrow points from this box to the transaction details window. Another arrow points from the "Sign the transaction" button to a callout below it. A green arrow points from the "Progress of the transaction." header to the right side of the screen.

Summary of the transaction sent via the Polkadot-JS extension.

Transaction

Anaelle LTD@KSM HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByNe7hv9Ae

from https://cloudflare-ipfs.com/ipns/dotapps.io/#/staking
chain Kusama
version 9080
nonce 130
method ▶ society.bid(value)
info ▶ A user outside of the society can make a bid for entry.
lifetime mortal, valid from 8,891,913 to 8,891,977

PASSWORD FOR THIS ACCOUNT
.....
 Remember my password for the next 15 minutes

Sign the transaction

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.

Progress of the transaction.

bid kind	value	
Vouch	42NQM 0.0000 KSM	Skeptics (10) <input type="button"/> Vote Approvals (1) <input type="button"/>
Deposit	0.0000 KSM	<input type="button"/> Unbid
Deposit	0.0000 KSM	<input type="button"/> Unbid
Deposit	0.0000 KSM	<input type="button"/> Unbid
Deposit	0.0100 KSM	<input type="button"/> Unbid
Deposit	0.0100 KSM	<input type="button"/> Unbid
Deposit	0.0100 KSM	<input type="button"/> Unbid

GUIDE TO POLKADOT-JS – PART II: Network

Version 2.0

The screenshot shows the Polkadot.js Network interface. At the top, there's a navigation bar with links for Accounts, Network (selected), Governance, Developer, Settings, GitHub, and Wiki. On the left, there's a sidebar with a Society icon and tabs for Overview, Candidates (selected), and Suspended. A notification badge '1' is visible on the Candidates tab. In the top right corner, it says "Parity Polkadot v0.9.9 api v4.16.2 apps v0.94.1". Below the navigation, there's a "Submit bid" button with a plus sign.

candidates

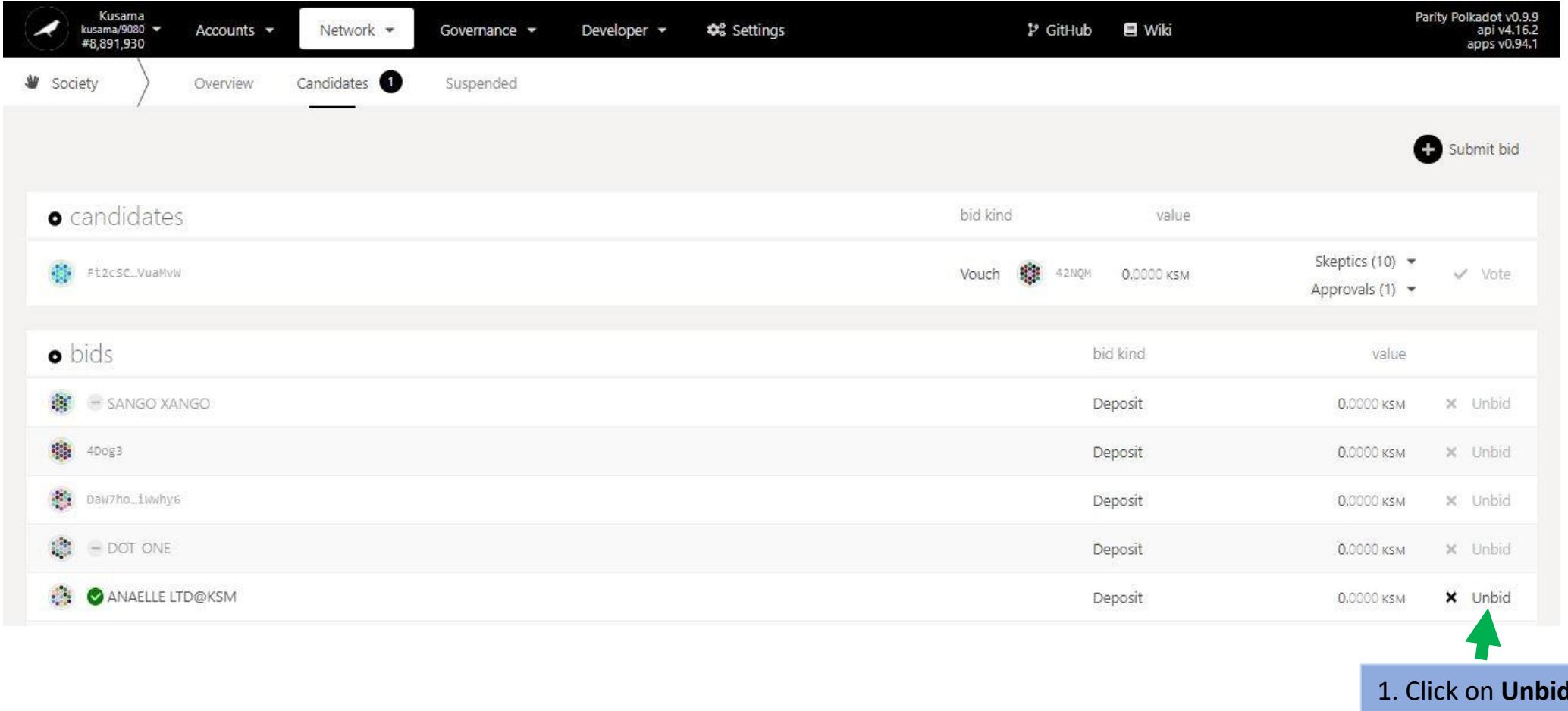
	bid kind	value	
Ft2cSC...VuamvN	Vouch 42NQM	0.0000 KSM	Skeptics (10) Vote
Approvals (1)			

bids

	bid kind	value	
SANGO XANGO	Deposit	0.0000 KSM	
4Dog3	Deposit	0.0000 KSM	
Daw7ho...iLwhy6	Deposit	0.0000 KSM	
DOT ONE	Deposit	0.0000 KSM	
ANAELLE LTD@KSM	Deposit	0.0000 KSM	
Hgm6Rp...2LNuhS	Deposit	0.0100 KSM	

9. Your bid is now in the queue!

e) Withdraw a candidacy bid.



The screenshot shows the Polkadot.js Network interface with the Candidates tab selected. There is one candidacy bid listed:

		bid kind	value	
	Ft2cSC...VuamvW	Vouch	42NQM 0.0000 KSM	Skeptics (10) ✓ Vote Approvals (1)

Below the candidates section, there is a bids section listing several entries:

		bid kind	value	
	SANGO XANGO	Deposit	0.0000 KSM	
	4Dog3	Deposit	0.0000 KSM	
	Daw7ho_iwwhy6	Deposit	0.0000 KSM	
	DOT ONE	Deposit	0.0000 KSM	
	ANAEILLE LTD@KSM	Deposit	0.0000 KSM	

A green arrow points to the 'Unbid' button next to the entry for 'ANAEILLE LTD@KSM'. A blue box at the bottom right contains the instruction '1. Click on Unbid.'

1. Click on Unbid.

GUIDE TO POLKADOT-JS – PART II: Network

Version 2.0

The screenshot shows the Polkadot-JS extension interface for a Kusama account. The main window title is "authorize transaction". The transaction details are: "Sending transaction society.unbid(pos)". A note below says: "A bidder can remove their bid for entry into society. By doing so, they will have their candidate deposit returned or they will unvouch their voucher." A green box highlights the fee information: "Fees of 40.6716 micro KSM will be applied to the submission". To the right, a blue box contains the instruction "2. Check the transaction fees." Further right, a yellow box highlights the status bar which shows "society.unbid queued" with a green arrow pointing to it. The status bar also includes a "cancel" button and a "Sign and Submit" button, which is circled in green. Below the status bar, another blue box contains the instruction "3. Click on Sign & submit to continue the procedure." On the left sidebar, there are sections for "candidates", "bids", and "4D0g3". On the right sidebar, there are sections for "Approvals (1)", "Value (0.0000 KSM)", and "Unbid".

authorize transaction

Sending transaction society.unbid(pos)

A bidder can remove their bid for entry into society. By doing so, they will have their candidate deposit returned or they will unvouch their voucher.

Fees of 40.6716 micro KSM will be applied to the submission

2. Check the transaction fees.

society.unbid queued

Nature of the transaction.

cancel Sign and Submit

3. Click on Sign & submit to continue the procedure.

The screenshot shows the Polkadot-JS extension interface. A yellow box on the left contains the text: "Summary of the transaction sent via the Polkadot-JS extension." An arrow points from this box to the transaction details in the center. Another arrow points from the "Progress of the transaction." bar at the top right to the "society.unbid(signing)" button in the header.

Summary of the transaction sent via the Polkadot-JS extension.

Progress of the transaction.

society.unbid(signing)

Transaction

Anaelle LTD@KSM

from https://cloudflare-ipfs.com/ipns/dotapps.io/#/staking
chain Kusama
version 9080
nonce 131
method ► society.unbid(pos)
info ► A bidder can remove their bid for entry into society. By doing s...
lifetime mortal, valid from 8,891,937 to 8,892,001

Extend the period without password by 15 minutes

Sign the transaction

bid kind	value	
Vouch	42NQM 0.0000 KSM	Skeptics (10) ▾ Approvals (1) ▾
Deposit	0.0000 KSM	Vote
Deposit	0.0000 KSM	Unbid
Deposit	0.0100 KSM	Unbid
Deposit	0.0100 KSM	Unbid
Deposit	0.0100 KSM	Unbid

4. Click on **Sign the transaction** to complete the procedure.

GUIDE TO POLKADOT-JS – PART II: Network

Version 2.0

The screenshot shows the Polkadot.js Network interface. At the top, there's a navigation bar with links for Accounts, Network (selected), Governance, Developer, Settings, GitHub, and Wiki. On the left, there's a sidebar with Society, Overview, Candidates (1 selected), and Suspended. On the right, it shows Parity Polkadot v0.9.9, api v4.16.2, and apps v0.94.1.

The main content area has two sections:

- Candidates:** Shows one candidate: Ft2cSC...VuamvW, with a Vouch bid kind, value 0.0000 KSM, and a status row for Skeptics (10) and Approvals (1).
- bids:** Shows five entries:
 - SANGO XANGO: Deposit, 0.0000 KSM, Unbid
 - 4Dog3: Deposit, 0.0000 KSM, Unbid
 - Daw7ho...ilwhy6: Deposit, 0.0000 KSM, Unbid
 - DOT ONE: Deposit, 0.0000 KSM, Unbid
 - Hgm6Rp...2LNuhs: Deposit, 0.0100 KSM, Unbid

A prominent blue banner at the bottom of the bids section displays the message: **5. Your bid has been removed from the queue!**

f) Submit a candidacy bid via vouch.

The screenshot shows the Polkadot.js extension interface for the Kusama network. The top navigation bar includes 'Accounts', 'Network' (set to 'Kusama'), 'Governance', 'Developer' (with a dropdown menu), 'Settings', 'GitHub', 'Wiki', and version information ('Parity Polkadot v0.9.9', 'api v4.16.2', 'apps v0.94.1'). Below the navigation is a sidebar with 'Society' and tabs for 'Overview', 'Candidates' (1), and 'Suspended'. A large blue callout box labeled '1. Mouse-over Developer.' points to the 'Developer' button. Another blue callout box labeled '2. Select Extrinsic from the dropdown menu.' points to the 'Extrinsic' option in the developer dropdown menu, which also lists 'Chain state', 'RPC calls', 'Sign and verify', and 'JavaScript'. The main content area shows a table for 'candidates' with one entry: 'Ft2cSC...VuamvW' with a 'Vouch' bid kind, value '0.0000 ksm', and a 'Skeptics (10)' dropdown. Below this is a table for 'bids' with entries for 'SANGO XANGO' and '4Dog3', both with 'Deposit' bid kinds and '0.0000 ksm' values, each with a 'Unbid' link.

1. Mouse-over Developer.

2. Select Extrinsic from the dropdown menu.

	bid kind	value	
Ft2cSC...VuamvW	Vouch	42NQM 0.0000 ksm	Skeptics (10) <input checked="" type="checkbox"/> Vote Approvals (1) <input type="checkbox"/>

	bid kind	value	
SANGO XANGO	Deposit	0.0000 ksm	<input type="checkbox"/> Unbid
4Dog3	Deposit	0.0000 ksm	<input type="checkbox"/> Unbid

The screenshot shows the Polkadot.js extension interface for Kusama. The top navigation bar includes 'Accounts', 'Network', 'Governance', 'Developer' (selected), 'Settings', 'GitHub', and 'Wiki'. The status bar indicates 'Parity Polkadot v0.9.9', 'api v4.16.2', and 'apps v0.94.1'. The user account is 'kusama/9080 #8,892,196'. The main area shows a 'Submission' tab selected under 'Extrinsics'. A blue box highlights step 3: '3. Select the account of the voucher.' with a green arrow pointing to the 'ANAELE LTD@KSM' account selection dropdown. Another blue box highlights step 4: '4. Navigate the dropdown menus to select the correct method.' with a green arrow pointing to the 'vouch(who, value, tip)' method selection dropdown. A third blue box highlights step 5: '5. Select the account of the bidder.' with a green arrow pointing to the 'TOMIESTTOM' account selection dropdown. A fourth blue box highlights step 6: '6. Enter a KSM amount for the bid and the tip.' with a green arrow pointing to the 'value: BalanceOf 0.00001' input field. A fifth blue box highlights step 7: '7. Click on Submit Transaction.' with a green arrow pointing to the 'Submit Transaction' button, which is circled in green. Other visible fields include 'submit the following extrinsic society' and 'As a member, vouch for someone to join society by placing a bid on their behalf.'

3. Select the account of the voucher.

4. Navigate the dropdown menus to select the correct method.

5. Select the account of the bidder.

6. Enter a KSM amount for the bid and the tip.

7. Click on Submit Transaction.

Nature of the transaction.

The screenshot shows the Polkadot-JS UI interface for sending an extrinsic. At the top, it displays the account information: Kusama, kusama/9080, Account #8,892,205. Below this, the transaction details are shown: sending transaction `society.vouch(who, value, tip)`. The description indicates it's for vouching someone to join a society. A green box highlights the fees information: "Fees of 60.6714 micro KSM will be applied to the submission". To the right, a blue box contains the instruction: "8. Check the transaction fees." Further down, the "who" field is set to `ANAELE LTD@KSM`, and the "value" field is set to `BalanceOf 0.00001`. The "tip" field is set to `BalanceOf 0.00004`. A toggle switch labeled "Do not include a tip for the block author" is turned off. The "call hash" is listed as `0x3772d0b064aed466b1236d7c289d3b7931c06f60cf4728439143a79b7d67f39c`. At the bottom, there are "Sign and Submit" and "Cancel" buttons. A green arrow points from the text "Nature of the transaction." to the status bar on the right, which shows `society.vouch queued`. A green circle highlights the "Sign and Submit" button.

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

The screenshot shows the Polkadot-JS extension interface. On the left, a yellow box highlights the "Summary of the transaction sent via the Polkadot-JS extension." A green arrow points from this summary to the "Transaction" tab in the center. Another green arrow points from the "Progress of the transaction." text at the top right to the progress bar in the background.

Summary of the transaction sent via the Polkadot-JS extension.

Transaction

Anaelle LTD@KSM

Kusama

from https://cloudflare-ipfs.com/ipns/dotapps.io/#/staking
chain Kusama
version 9080
nonce 132
method ► society.vouch(who, value, tip)
info ► As a member, vouch for someone to join society by placing a b...
lifetime mortal, valid from 8,892,208 to 8,892,272

PASSWORD FOR THIS ACCOUNT
 Remember my password for the next 15 minutes

Sign the transaction

Progress of the transaction.
As a member, vouch for someone to join society by placing a bid on their behalf.

Submit Unsigned Submit Transaction

10. Click on **Sign the transaction** to complete the procedure.

g) View suspended members and suspended candidates.

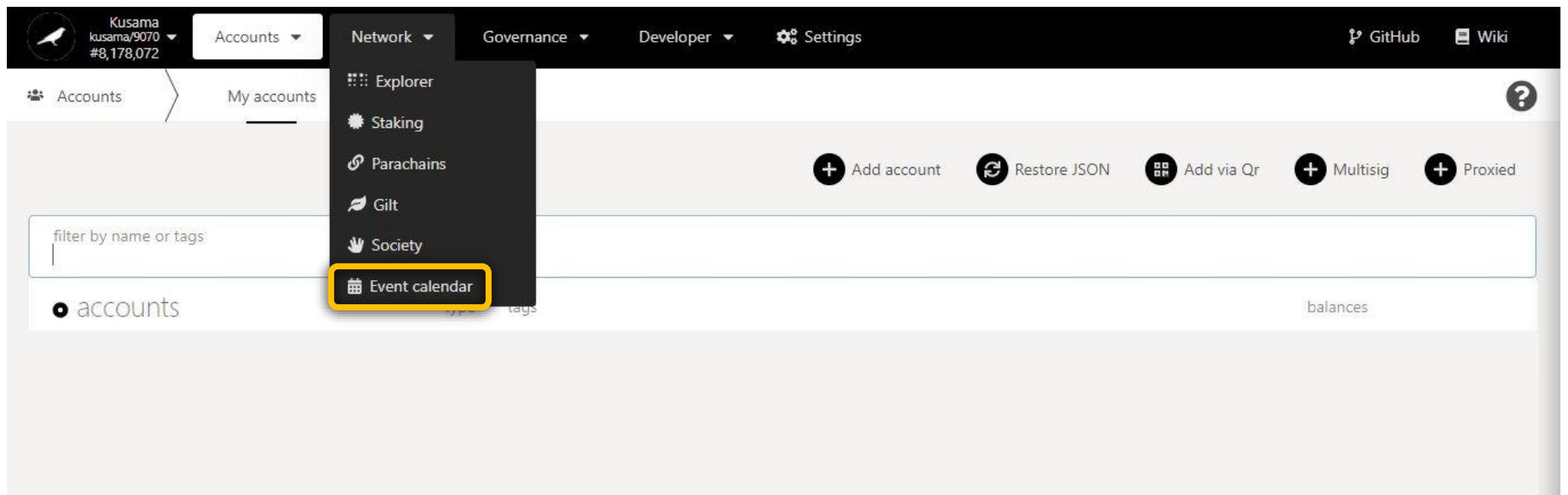
The screenshot shows two instances of the Polkadot.js Network interface. In both instances, the 'Society' tab is selected. The top instance has the 'Suspended' tab selected, indicated by a green arrow pointing to it. A blue box contains the text: "1. Click on Suspended.". The bottom instance also has the 'Suspended' tab selected, with a blue box containing the text: "2. The list suspended members and candidates is now displayed!". A yellow callout box highlights the 'Suspension in detail:' section, which contains the following definitions:

Suspended member: A member that failed the Proof-of-Ink challenge or collected too many strikes. Note: Suspended members cannot claim their payouts and must be re-entered into the Society by the Founder to avoid losing all their future payouts.

Suspended candidate: A candidate that failed the vote. Note: Suspended candidates can be accepted as Society members, re-entered into the bid queue, or rejected by the Founder.

bid	kind	value
HqYVw1...6WDaDW	Deposit	0.0000 KSM
— LALO MAIN KUSAMA	Deposit	0.0000 KSM
4QWQA	Deposit	0.0000 KSM
H1heyw...f9ebUJ	Deposit	0.0000 KSM
FPIWNg...b8dECB	Deposit	0.0000 KSM

6. Event calendar: View upcoming Relay chain events.



a) Browse Relay chain schedules.

The screenshot shows the Polkadot.js interface with the Kusama network selected. The top navigation bar includes links for Accounts, Network, Governance, Developer, and Settings, along with GitHub and Wiki links. The main area is titled "Upcoming events" and displays a calendar for July 2021. A green arrow points to the date July 26, which is highlighted with a blue box containing the instruction "Click on a day to view its events." To the right, a detailed timeline for July 25, 2021, at 13:29 is shown, listing various events with their times, block numbers, and descriptions. Two specific events are highlighted: "Start of a new staking session 14,507 via Staking" at 14:28 and "#8,493,675 Start of a new staking era 2,536 via Staking" at 15:28.

Kusama
kusama/9070 #8,492,490

Accounts Network Governance Developer Settings

Event calendar Upcoming events

Key information on upcoming events: **date, time, block number, description, and module.**

july 2021

SUN MON TUE WED THU FRI SAT

1 2 3

4 5 6 7 8 9 10

18 19 20 21 22 23 24

25 26 27 28 29 30 31

Click on a day to view its events.

25 26 27 28 29 30 31

25 july 2021 13:29

0 AM
1 AM
2 AM
3 AM
4 AM
5 AM
6 AM
7 AM
8 AM
9 AM
10 AM
11 AM
12 PM
13 PM
14 PM 14:28 #8,493,075 Start of a new staking session 14,507 via Staking
15 PM 15:28 #8,493,675 Start of a new staking era 2,536 via Staking
16 PM

b) Access core Relay chain modules.

The screenshot shows the Polkadot-JS Apps interface. At the top, there's a navigation bar with a Kusama icon, account information ("kusama/9070 #8,492,498"), and links for Accounts, Network, Governance, Developer, and Settings. To the right are GitHub and Wiki links. Below the navigation bar is a header with "Event calendar" and "Upcoming events". A blue callout box with white text says "Click on the module to switch view on Polkadot-JS Apps." with a green arrow pointing to the "Network" button in the top navigation. On the left is a monthly calendar for July 2021, with July 27th highlighted. On the right is a detailed view for July 27, 2021, showing an event at 00:37: "#8,513,567 Potential dispatch of referendum 125 (if passed) via Democracy". The event details are as follows:

Time	Event ID	Description
00:37	#8,513,567	Potential dispatch of referendum 125 (if passed) via Democracy