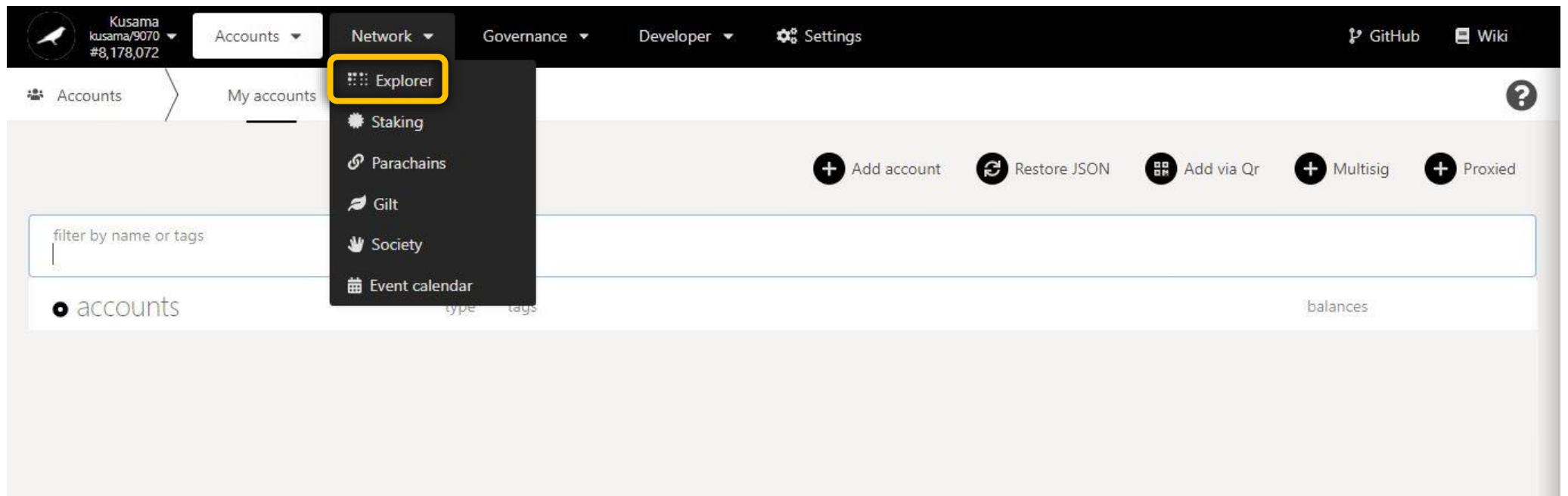


PART II: Network

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	Block Number
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 Kusama network selected. The 'Forks' tab is active. In the 'Forks' section, two forks are visible: the '2nd fork.' and the '1st fork.'. The '2nd fork.' is highlighted with a red box and contains two blocks: #8,483,005 (last propagated) and #8,482,989 (last finalised). The '1st fork.' is highlighted with a red box and contains four blocks: #8,482,985, #8,482,984, #8,482,983, and #8,482,969 (last finalised). Annotations provide detailed information about the last propagated and finalised blocks.

Key information on forks: **number of blocks captured, and number of forks encountered since monitoring started.**

2nd fork.

1st fork.

Block Number	Last Propagated Block Hash	Last Finalised Block Hash
#8,483,005	0x90bc80922... 0x5026f59...	
#8,482,989	0xc90b093ad... 0x486895b...	0x0c1e38d98... 0x486895b...
#8,482,988	0x486895bf0... 0xab5891b...	
#8,482,985	0x46bebf794... 0x8f1bb30...	0x15391d2d6... 0x8f1bb30...
#8,482,984	0x8f1bb305b... 0xb6ca10d...	
#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. The entire screenshot is overlaid with several yellow callout boxes containing descriptive text.

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.

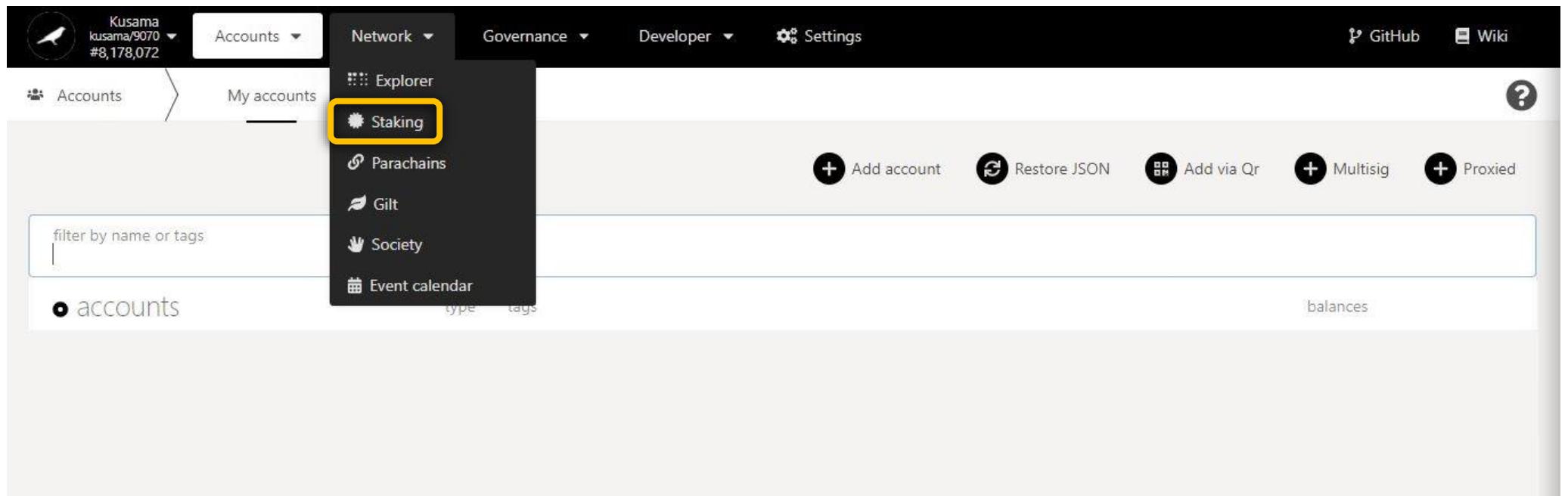
Number of transaction(s) in queue.

Latest block number captured.

Nature of the transaction(s) in queue.

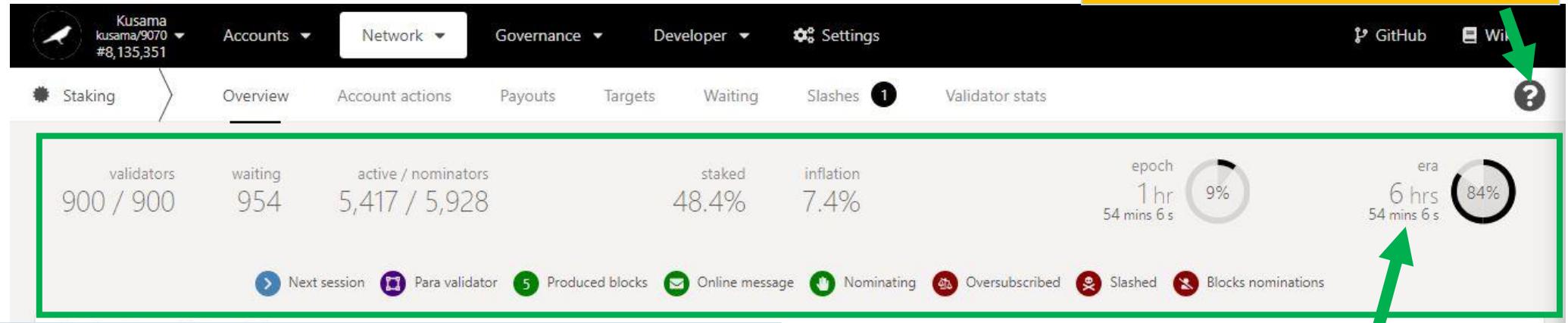
Sender(s) of the transaction(s) in queue.

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)

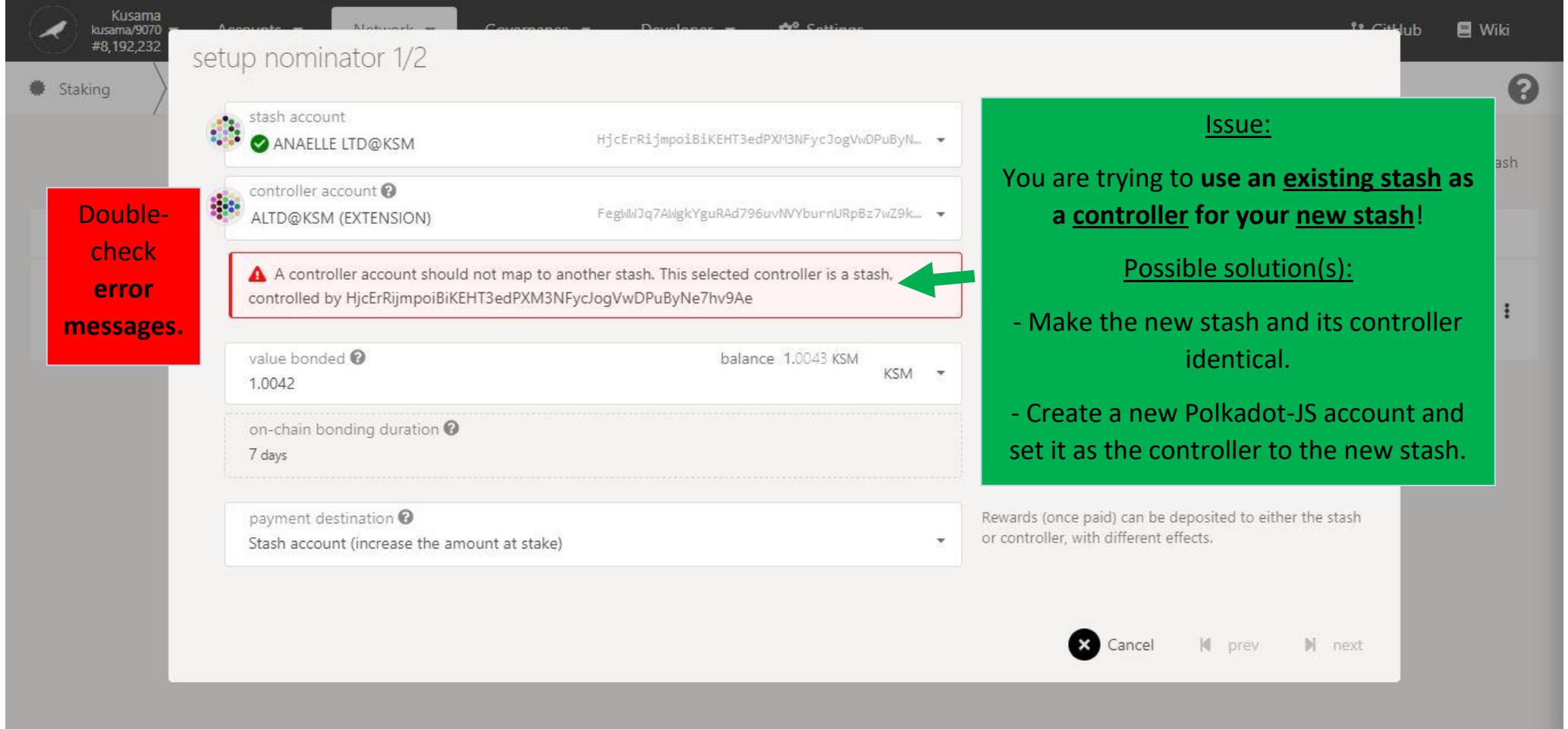
Think of the stash as your cold wallet and the controller as your hot wallet. Funding operations are controlled by the stash, any other non-funding actions by the controller itself.
To ensure optimal fund security using the same stash/controller is strongly discouraged, but not forbidden.

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)

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.

Stash account (increase the amount at stake)

Stash account (do not increase the amount at stake)

Controller account

Specified payment account

Stash account (increase the amount at stake)

4. Select one option for receiving reward payouts.

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.

5. Click on Next to continue the procedure.

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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

Cancel prev Bond & Nominate

6. Follow the new instructions carefully.

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.

7. Double-check warning messages.

⚠️ 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.

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 in the center-left window. Another arrow points from the "utility.batchAll signing" status bar at the top right to the progress bar below it. A blue box at the bottom right contains the instruction: "15. Click on **Sign the transaction** to complete the procedure." A green box highlights the password input field and the "Remember my password" checkbox. A blue box at the bottom right contains the instruction: "14. Enter your account's password and tick the box to remember your password, if necessary." The "Sign the transaction" button is circled in green.

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.

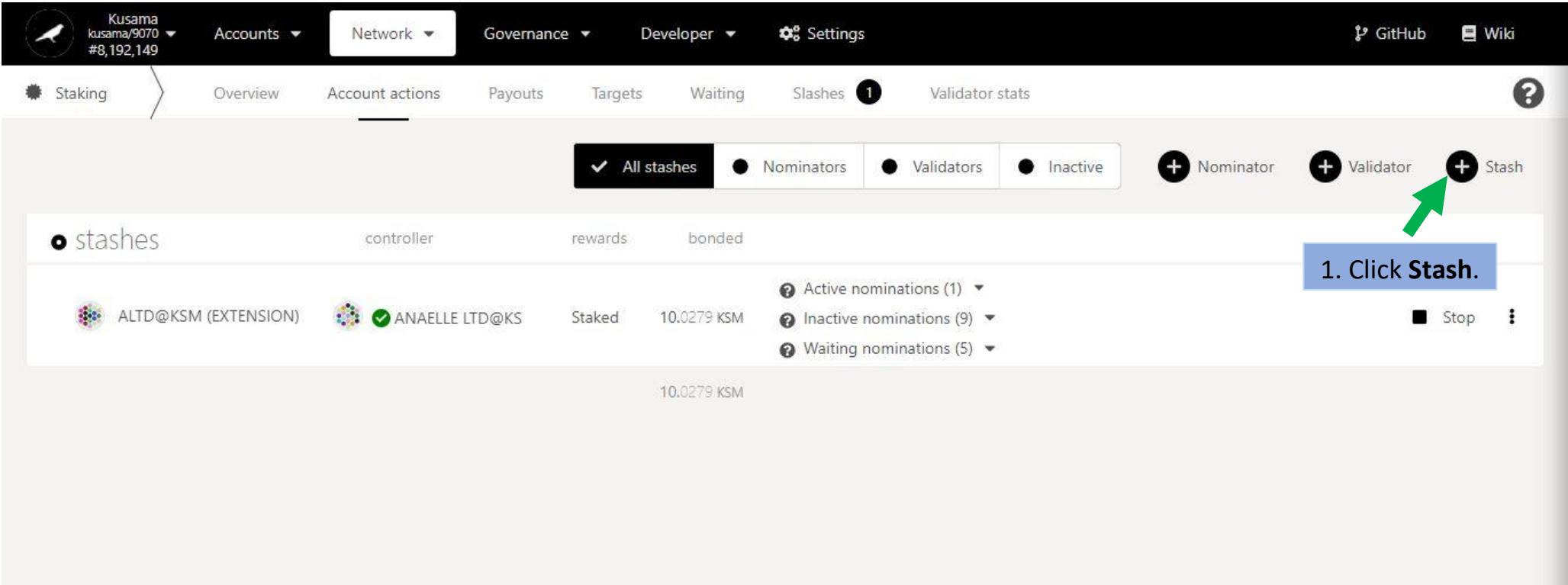
14. Enter your account's password and tick the box to remember your password, if necessary.

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.

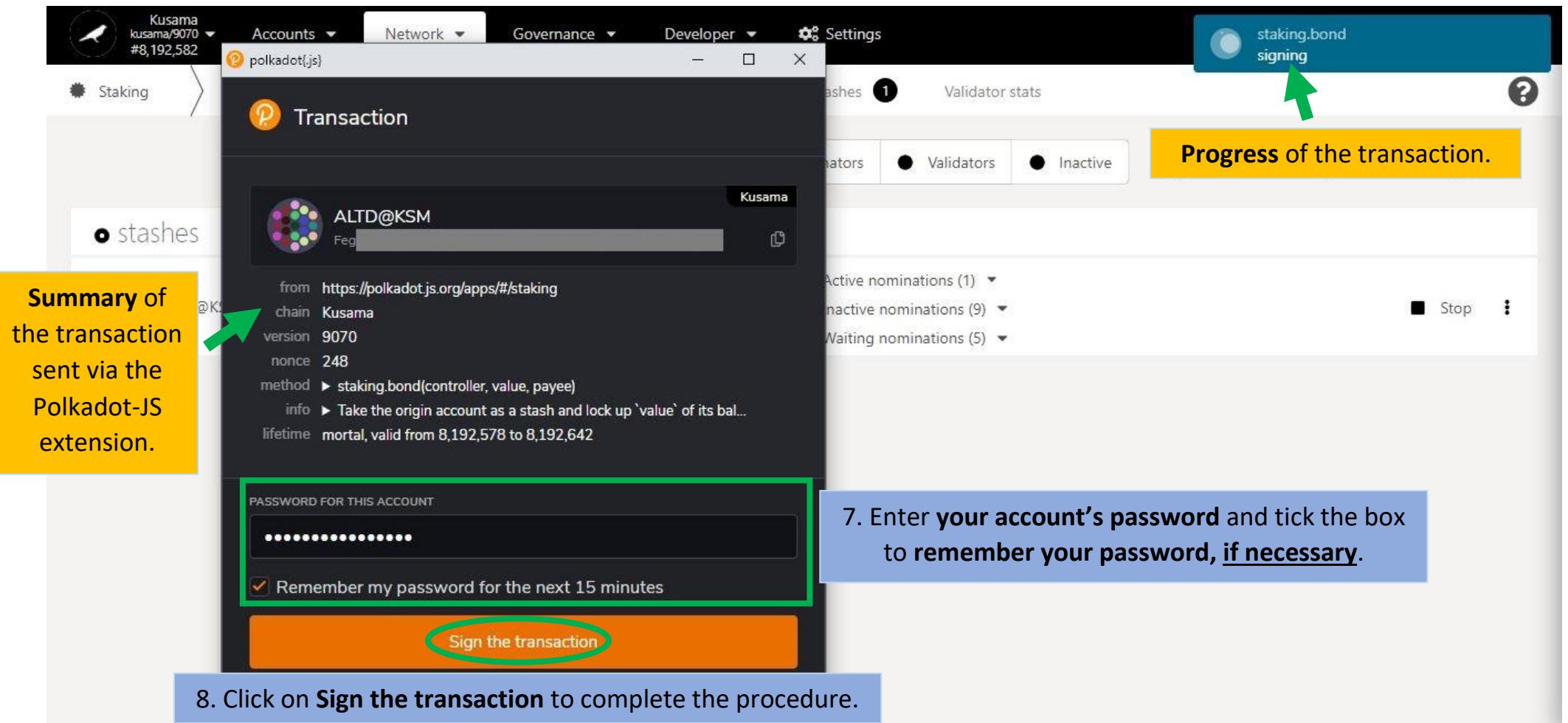
Adding an optional tip to the transaction could allow for higher priority, especially when the chain is busy.

The call hash as calculated for this transaction

Cancel Sign and Submit

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

Cancel Bond



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
- MELANGE
- MANTRADAO
- SHAWN 0/04

Waiting nominations (5)

- STAKE-MACHINE.C
- LITBUTHEDGEDCA
- HUNTER
- SULTANOFSTAKIN
- AMALLYN ⚡⚡⚡

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'. The table has columns for controller, rewards, and bonded amount (10.0279 KSM). It lists two stashes: 'ALTD@KSM (EXTENSION)' and 'ANAEILLE LTD@KS'. For each stash, it shows active, inactive, and waiting nominations. A green arrow points to the three vertical dots next to the 'ANAEILLE LTD@KS' entry, which is highlighted with a blue box containing the instruction: '1. Click on the 3 vertical dots to view Staking settings.'

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

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

Stop ⚙️

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

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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.

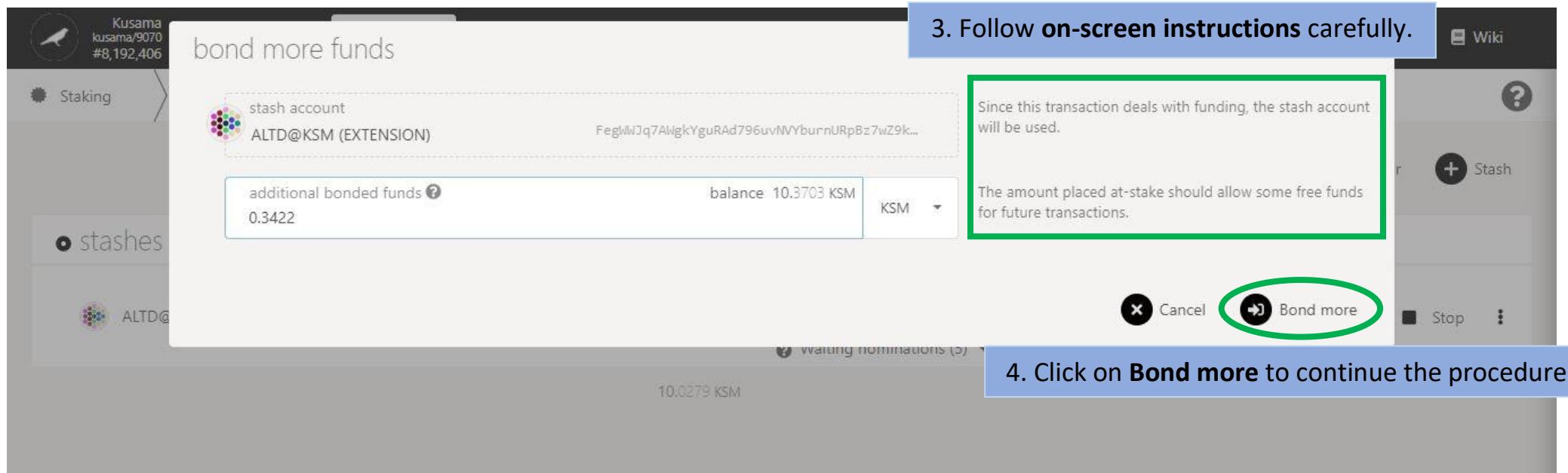
Bond more funds
Unbond funds
Withdraw unbonded funds

Change controller account
Change reward destination

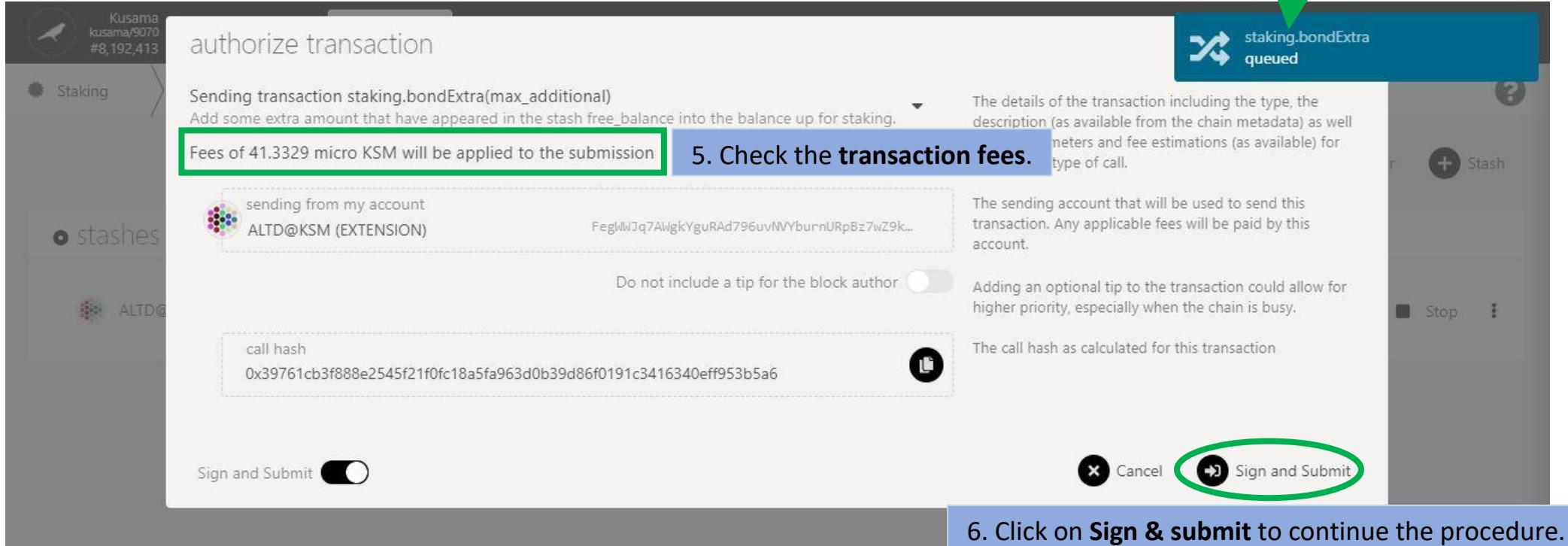
Set nominees

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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

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 initiated from the "ALTD@KSM" stash account. 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 a yellow box. Another green arrow points to the "Sign the transaction" button, which is also highlighted in a green circle. A blue box contains the instructions: "7. Enter your account's password and tick the box to remember your password, if necessary." A yellow box contains the instruction: "8. Click on Sign the transaction to complete the procedure." At the top right of the extension interface, a green arrow points to the "staking.bondExtra signing" status bar, which is highlighted in a blue box with the text: "Progress of the transaction."

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

Progress of 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.

- Unbond funds.

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. A sidebar on the left indicates the user is under the Staking section. The main content area displays a table of stashes. The columns are labeled: controller, rewards, bonded, and three dropdown menus for Active nominations (1), Inactive nominations (9), and Waiting nominations (5). At the bottom of the table, it says 10.0279 KSM. To the right of the table, there are buttons for Nominator (+), Validator (+), and Stash (+). A green arrow points to the three vertical dots next to the Stashed amount, which is highlighted with a blue box containing the instruction: "1. Click on the 3 vertical dots to view Staking settings."

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) FegWJq7A1gkYguRAd796uvNVYburnURpBz7wZ9k...

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'. On the left, there's a sidebar with tabs for 'Staking', 'stashes', and 'ALTD@'. The main area is titled 'authorize transaction' and shows a transaction for 'staking.unbond(value)'. A green box highlights the fee information: 'Fees of 41.6662 micro KSM will be applied to the submission'. To the right, a blue box contains the text '5. Check the transaction fees.' Below this, it says 'sending from my account' followed by the account name 'ANAEILLE LTD@KSM' with a checkmark icon. There's also a field for a tip and a call hash '0x04f4bac2282fd711c009122f52b6ace5425ecd3e6797f98f56aee5ded8f7256b'. At the bottom, there are 'Sign and Submit' and 'Cancel' buttons, with 'Sign and Submit' being circled in green. A green arrow points from the text 'Nature of the transaction.' to the transaction status 'staking.unbond queued' in the top right corner of the interface.

authorize transaction

Sending transaction `staking.unbond(value)`

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 of 41.6662 micro KSM will be applied to the submission

5. Check the transaction fees.

sending from my account
ANAEILLE LTD@KSM

HjcErRijmpoiBiKEHT3edPXH3NFycJogVwDPuByN...

Do not include a tip for the block author

call hash
0x04f4bac2282fd711c009122f52b6ace5425ecd3e6797f98f56aee5ded8f7256b

Sign and Submit

Cancel Sign and Submit

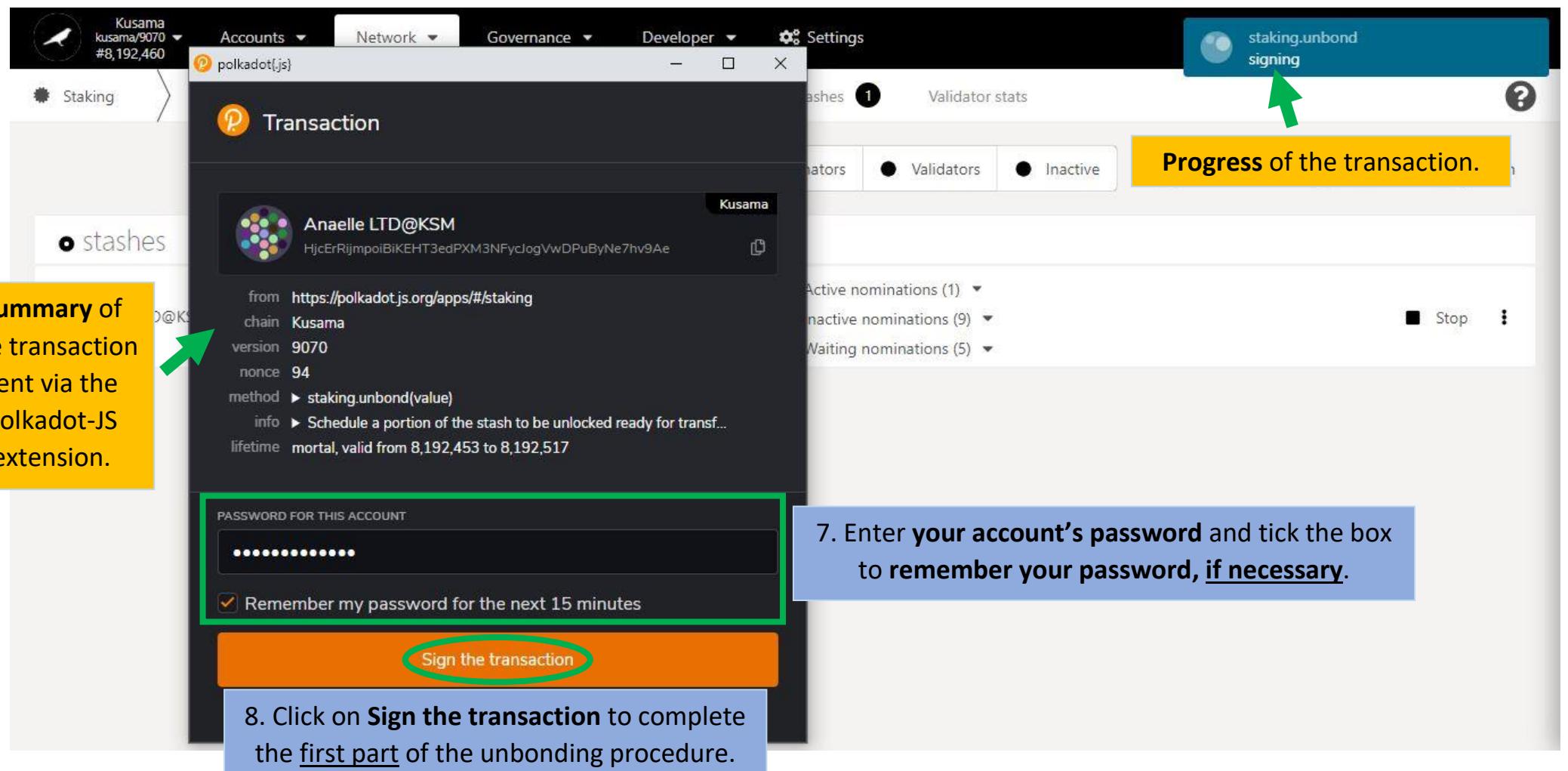
The details of the transaction including the type, the description (as available from the chain metadata) as well as any parameters and fee estimations (as available) for the specific type of call.

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

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 the following interface elements:

- Top navigation bar: Governance ▾, Developer ▾, Settings, GitHub, Wiki.
- Sub-navigation bar: Payouts, Targets, Waiting, Slashes, Validator stats, a question mark icon.
- Filter bar: ✓ All stashes, ● Nominators, ● Validators, ● Inactive, + Nominator, + Validator, + Stash.
- Section header: ● stashes, controller, rewards, bonded.
- Stash list:
 - ALTD@KSM (EXTENSION) - controller: ANAELLE LTD@KS, status: Staked, bonded: 8.0299 KSM, unbonded: 2.0503 KSM, with a lock icon.
 - ANAEILLE LTD@KS - controller: ANAELLE LTD@KS, status: Staked, bonded: 8.0299 KSM, unbonded: 2.0503 KSM, with a lock icon.
- Information dropdowns for the first stash:
 - Active nominations (1)
 - Inactive nominations (6)
 - Waiting nominations (6)
- Action buttons: Stop, more options (three dots).

A blue callout box with white text is overlaid on the screenshot, containing the following instructions:

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)

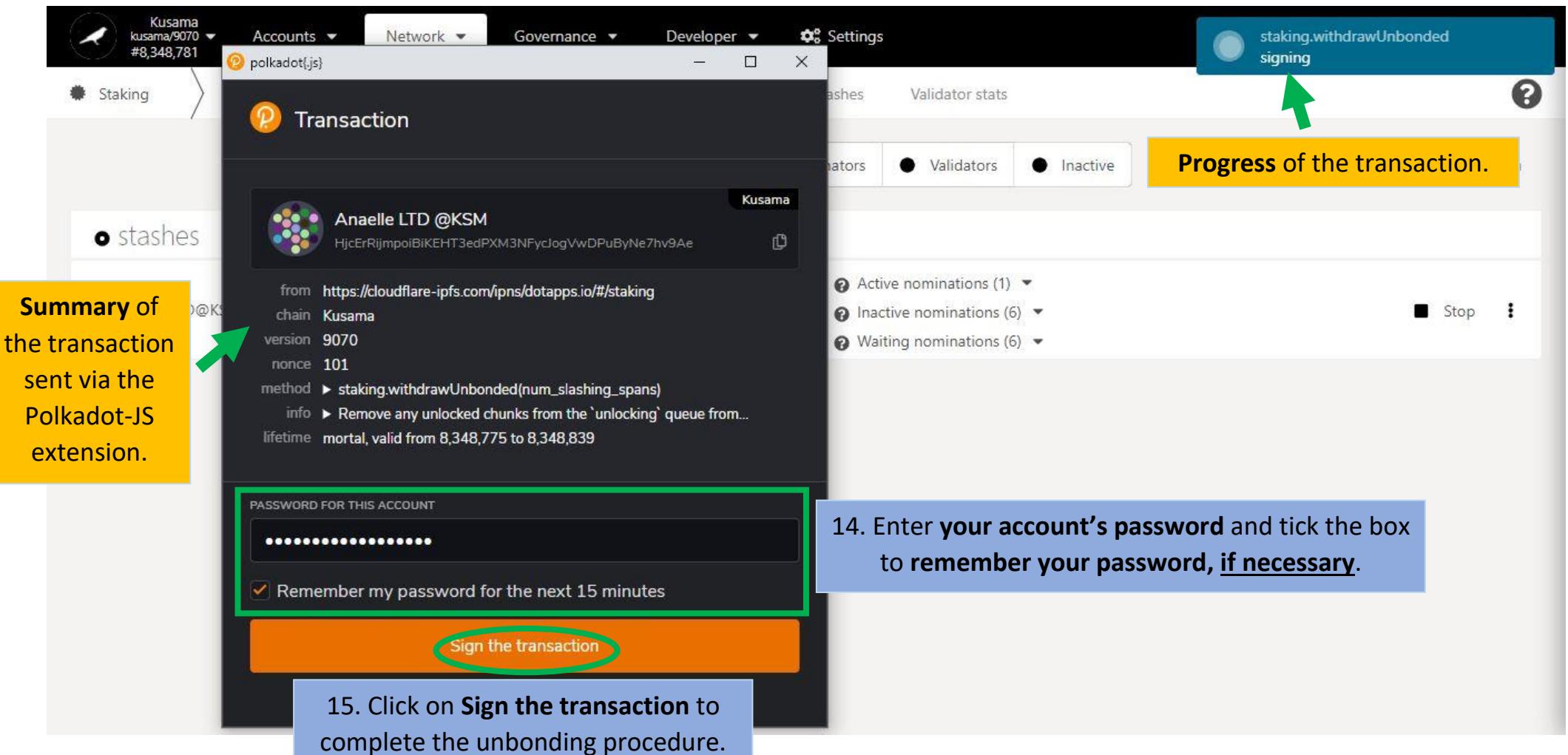
Remove any unlocked chunks from the unlocking queue from our management.

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 '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 (1)', and 'Validator stats'. A help icon is also present. The main content area displays 'stashes' information for the account 'ANAEILLE LTD@KS'. It lists two stashes: 'ALTD@KSM (EXTENSION)' and 'ANAEILLE LTD@KS'. The 'ANAEILLE LTD@KS' stash has a balance of 10.0279 KSM and is marked as 'Staked'. Below the stash list are dropdown menus for 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. To the right of these dropdowns are 'Stop' and 'More' (three vertical dots) buttons. A green arrow points to the 'More' button, and a blue callout box with white text provides instructions: '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
ALTD@KSM (EXTENSION)	ANAEILLE LTD@KS	Staked 10.0279 KSM

Below the table, a modal window is open with the following options:

- Bond more funds
- Unbond funds
- Withdraw unbonded funds
- Change controller account** (highlighted with a green arrow)
- Change reward destination
- Set nominees

A callout box with the text "2. Click on Change controller account to set a new controller for this stash." is positioned over the "Change controller account" option.

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The screenshot shows the Polkadot-JS extension interface with the title "change controller account". It displays two account sections: "stash account" and "controller account", both set to "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 the Kusama network. The transaction being signed is a `staking.setController(controller)` call, which (Re-)sets the controller of a stash. A green box highlights the message: "Fees of 50.3328 micro KSM will be applied to the submission". The transaction details include the sending account as `ALTD@KSM (EXTENSION)`, the call hash as `0xad09c459c66cd2fc0b85240012bcd19e1bec407e2e32222743412fd0b56d3093`, and the option to "Do not include a tip for the block author" which is turned off. At the bottom, there are "Sign and Submit" and "Cancel" buttons, with "Sign and Submit" circled in green. A yellow box labeled "6. Check the transaction fees." is overlaid on the left side of the transaction details. A green arrow points from the text "Nature of the transaction." to the transaction details area. A blue box labeled "7. Click on Sign & submit to continue the procedure." is overlaid at the bottom right.

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

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

Nature of the transaction.

staking.setController queued

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.

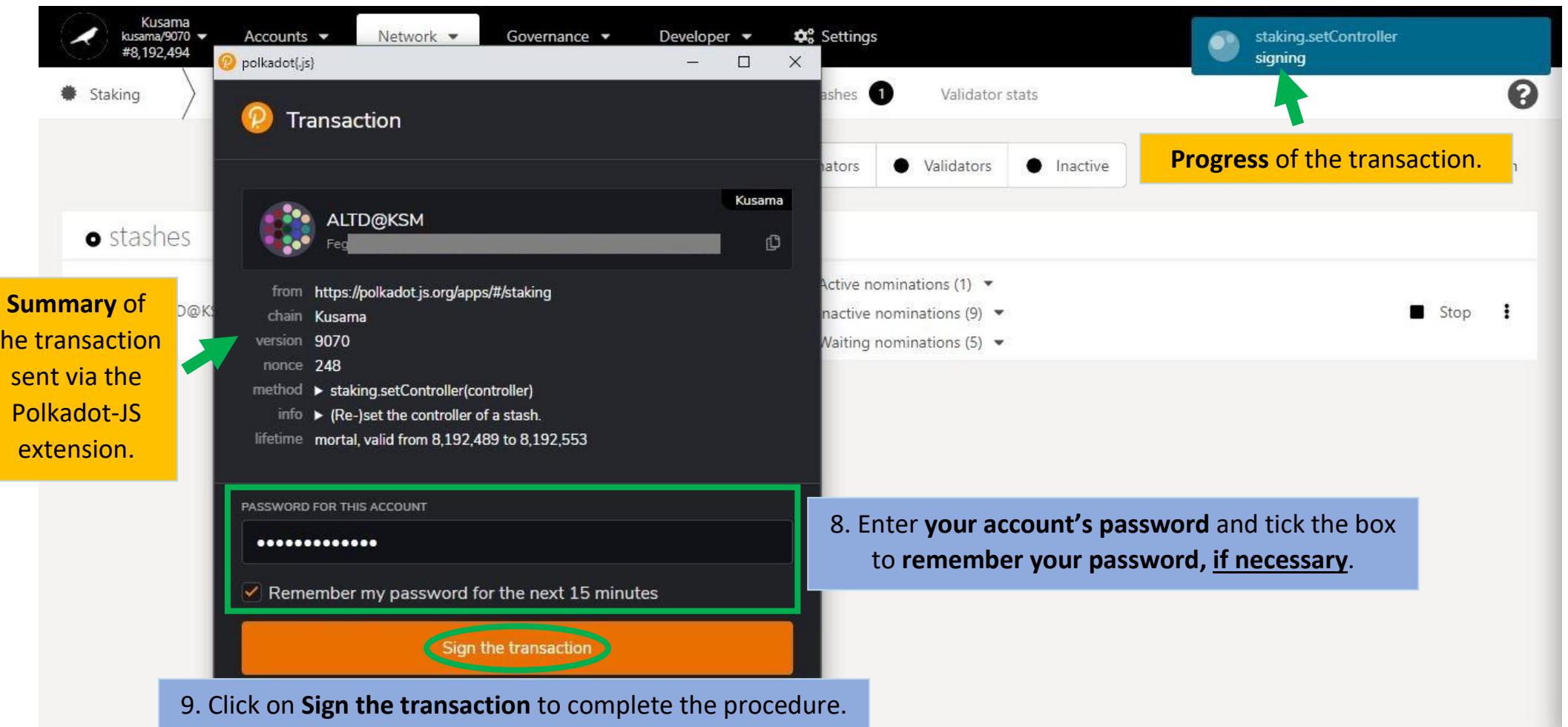
Sign and Submit

Cancel

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

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- 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 controller account (ALTD@KSM (EXTENSION)) with 10.0279 KSM bonded. To the right of this row are three dropdown menus: Active nominations (1), Inactive nominations (9), and Waiting nominations (5). A green arrow points from a callout box to the three vertical dots icon next to the Waiting nominations menu. 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	Active nominations (1) Inactive nominations (9) Waiting nominations (5)

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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.

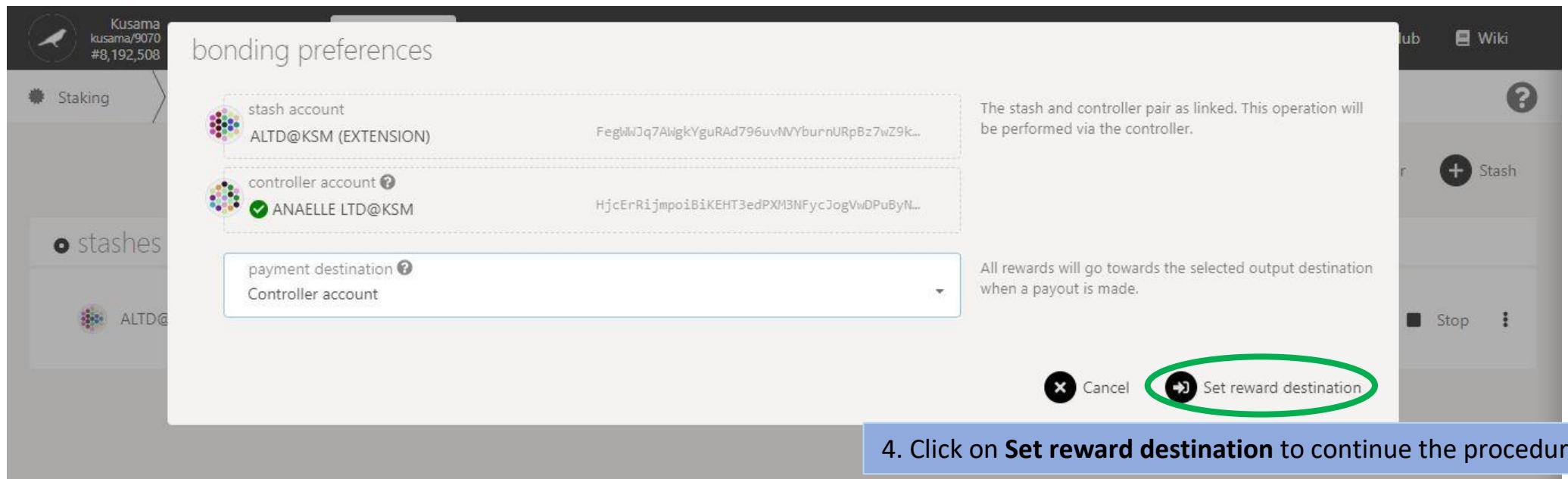
All rewards will go towards the selected output destination when a payout is made.

Cancel Set reward destination

A screenshot of the Polkadot-JS extension interface. At the top, it shows a Kusama node with address kusama/9070 #8,192,502. Below that, under the 'Staking' tab, is a section titled 'bonding preferences'. It lists two accounts: 'stash account' ALTD@KSM (EXTENSION) and 'controller account' ANAELLE LTD@KSM. A dropdown menu is open over the controller account section, listing four options: 'Stash account (increase the amount at stake)', 'Stash account (do not increase the amount at stake)', 'Controller account', and 'Specified payment account'. The first option is highlighted. To the right of the dropdown, there is a callout box with a green border containing the text: 'The stash and controller pair as linked. This operation will be performed via the controller.' and 'All rewards will go towards the selected output destination when a payout is made.' At the bottom right of the callout box are 'Cancel' and 'Set reward destination' buttons. The overall background is dark grey, and the UI elements are white or light grey with some color-coded icons like the green checkmark for the selected option.

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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 the Kusama network. A modal window titled "Transaction" is open, displaying the details of a "staking.setPayee" transaction. The transaction summary includes:

- 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

A green arrow points to the "Summary of the transaction sent via the Polkadot-JS extension." text box. Another green arrow points to the "Sign the transaction" button, which is highlighted with a green oval. A yellow box labeled "Progress of the transaction." contains the status "staking.setPayee signing".

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

Progress of 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.

- 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 in blue), 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 ANAELLE LTD@KS. The ANAELLE entry shows it is Staked with 10.0279 KSM. To the right of the stashes are dropdown menus for Active nominations (1), Inactive nominations (9), and Waiting nominations (5). A modal window is open on the right, listing actions: Bond more funds, Unbond funds, Withdraw unbonded funds, Change controller account, Change reward destination, and Set nominees. A green arrow points from the text below to the 'Set nominees' button in the modal. A callout box contains the instruction: "2. Click on **Set nominees** to change your current selection of validators."

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

Set nominees

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, there's a sidebar with 'Staking' and 'stashes' sections, and a list item for 'ALTD@...'. The main area shows a 'stash account' (ALTD@KSM) and a 'controller account' (ANAELE LTD@KSM). A blue box highlights the instruction '6. Double-check your selection of validators.' Below this, a list of 'candidate accounts' includes ALLNODES/41, SHOTMAKER/0, STAKE-OPS/1, ALLNODES/43, and JACKFLASH/FORKLESSNATION. A green box highlights the 'nominated accounts' section, which lists MANTRADAQ, EARNSTASH/03, SHAWN/04, ICEBERG NODES/V1, and MELANGE, each with a checkmark. 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, there are 'Cancel' and 'Nominate' buttons, with 'Nominate' circled in green. To the right of the main window, there's a sidebar with a '+ Stash' button, a 'Stop' button, and a more options menu.

nominate validators

stash account
ALTD@KSM (EXTENSION)
FegIWWJq7AiWgkYguRAD796uvNVYburnURpBz7wZ9k...

controller account
ANAELE LTD@KSM
HjcErRijmpoiBiKEHT3edPXH3NFycJogVwDPuByN...

filter by name, address...

candidate accounts

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

nominated accounts

- MANTRADAQ
- EARNSTASH/03
- SHAWN/04
- ICEBERG NODES/V1
- 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.

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

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.

Cancel Nominate

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

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.

staking.nominate queued

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 ANAELLE 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

The screenshot shows the Polkadot.js extension window for the Kusama network. A yellow box on the left contains the text: "Summary of the transaction sent via the Polkadot-JS extension." A green arrow points from this text to the "from" field in the transaction details. The transaction details show the following information:

- from: https://polkadot.js.org/apps/#/staking
- chain: Kusama
- version: 9070
- nonce: 94
- method: staking.nominate(targets)
- info: Declare the desire to nominate 'targets' for the origin controller.
- lifetime: mortal, valid from 8,192,555 to 8,192,619

A blue box labeled "10. Enter your account's password and tick the box to remember your password, if necessary." highlights the password input field and the "Remember my password for the next 15 minutes" checkbox. A green circle highlights the "Sign the transaction" button. A green arrow points from the "Progress of the transaction." text to the top right corner of the extension window, which displays the status "staking.nominate signing".

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

from: https://polkadot.js.org/apps/#/staking
chain: Kusama
version: 9070
nonce: 94
method: staking.nominate(targets)
info: Declare the desire to nominate 'targets' for the origin controller.
lifetime: mortal, valid from 8,192,555 to 8,192,619

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

Sign the transaction

Progress of the transaction.

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

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

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).

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

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 5 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.

The screenshot shows the Polkadot-JS Staking interface. At the top, there's a navigation bar with tabs for Accounts, Network, Governance, Developer, and Settings. Below the navigation bar, there's a summary section with a pie chart showing 48% total staked (5.4360 MKSM). The main content area is titled "Validators". A blue callout box contains the instruction: "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!" Below this, another yellow callout box says: "You can click **Most profitable** to automatically select the top 16 rewarders." To the right of this text, there are two buttons: "Most profitable" (with a checkmark icon) and "Nominate selected" (with a hand icon). A green arrow points from the "Nominate selected" button to the "Nominate selected" callout. A green box highlights the "Nominate selected" button. At the bottom of the table, there are checkboxes for selecting validators, and a green box highlights the checkboxes for validators 11, 12, and 17.

			nominators	comm.	total stake	own stake	return			
●	validators									
★	> 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 (which is underlined), Slashes (with a notification badge '1'), and Validator stats. There is also a question mark icon. Below the sub-navigation bar, there are several status indicators: Next session, Produced blocks (5), Online message, Nominating, Oversubscribed, Slashed, and Blocks nominations. A search bar with the placeholder "filter by name, address or index" is present. A toggle switch labeled "only with an identity" is turned off. On the left, there is a section titled "intentions" with a list of validators: TWINNET/STASH, KEEPNODE/HYDROGEN, JACO/V37, ZUG CAPITAL/82, RYABINA/[44] T.ME/KUSAMA_BOT, JACO/V36, and RYABINA/[47] T.ME/KUSAMA_BOT. 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**.

Validators: 1 Nominators: 1 Reporters: 1

defer
6 days 18 hrs
4 days 12 hrs
32%

0.0864 KSM

g) Check the statistics of individual validators.

1. Click Validator stats.

Kusama
kusama/9070 #8,196,117

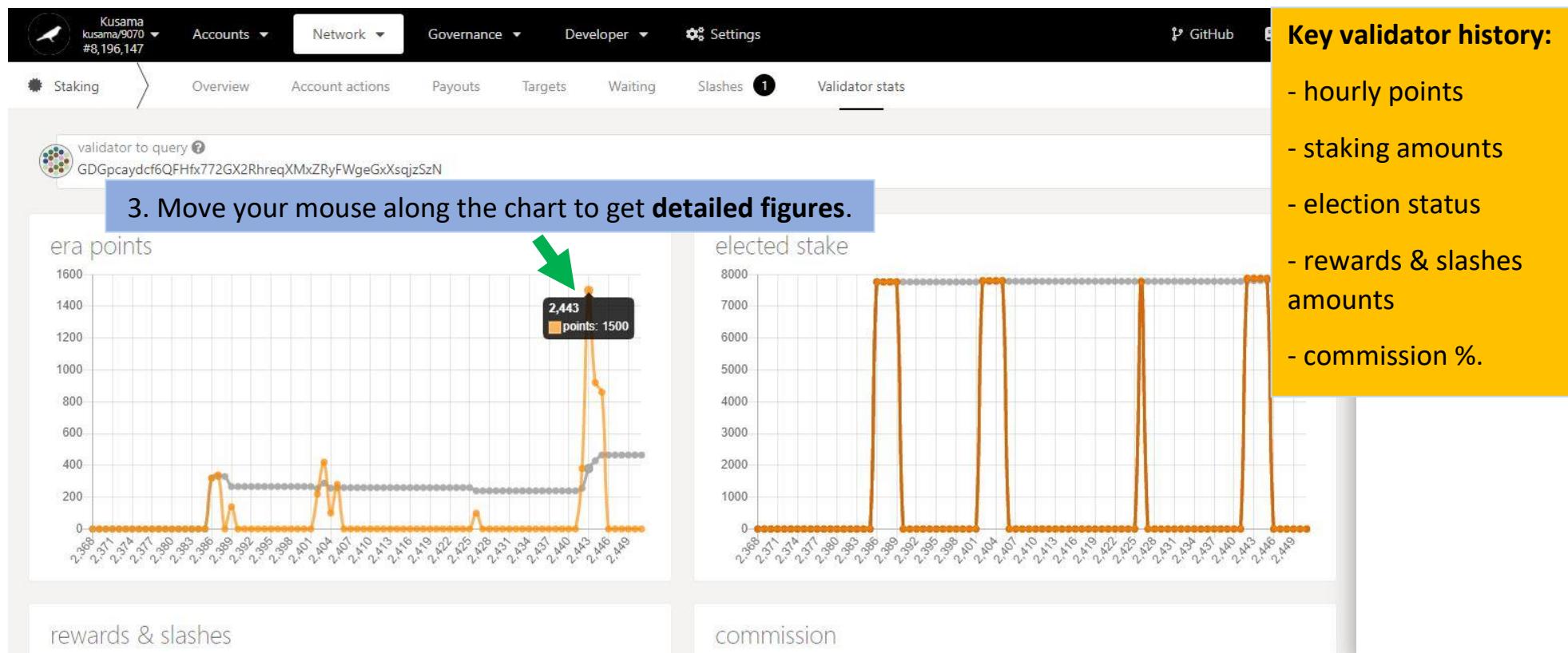
Accounts Network Governance Developer Settings

Staking Overview Account actions Payouts Targets Waiting Slashes 1 Validator stats

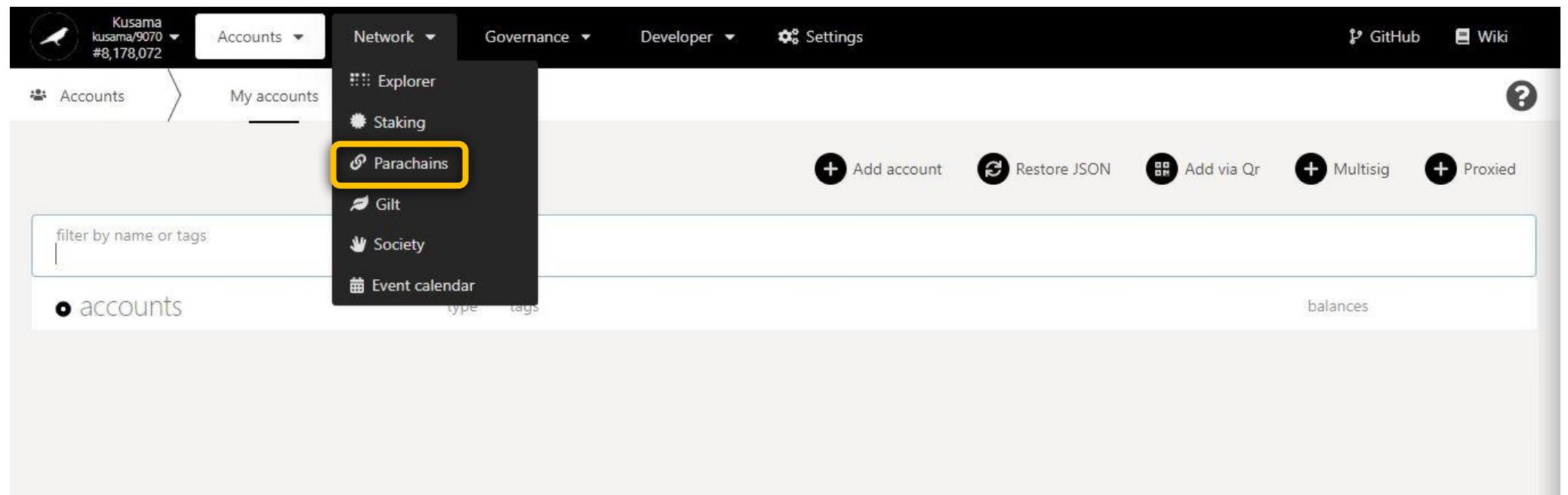
validator to query ?
GDGpcaydcf6QFHfx772GX2RreqXMxZRyFWgeGxXsqjzSzN

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.

Kusama
kusama/9070
#8,236,482

Accounts Network Governance Developer Settings GitHub Wiki

Parachains Overview Parathreads Auctions Crowdloan

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

parathreads	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.

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

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

Minimum crowdloan contribution is **0.1 KSM**.

contribute to fund

contribute from ANAELLE LTD@KSM

contribution 1 KSM

minimum allowed 99.9999 milli

remaining till cap 997.1324 Kilo

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.

Cancel + Contribute

4. Follow on-screen instructions carefully.

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 main title is "authorize transaction". Below it, the transaction details are listed: "Sending transaction crowdloan.contribute(index, value, signature)". A note says "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 shown next to a "cancel" icon. Below this, the transaction details are expanded: "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." On the left, there's a section for "sending from my account" with the account name "ANAEILLE LTD@KSM". In the center, there's a toggle switch for "Do not include a tip for the block author". To the right, the "call hash" is listed as "0x09c05aac9441af106de92d8b299e185fec796f762748469558374edb331343a3". At the bottom, there are buttons for "Sign and Submit" (which is circled in green) and "Cancel".

6. 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

Cancel **Sign and Submit**

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

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

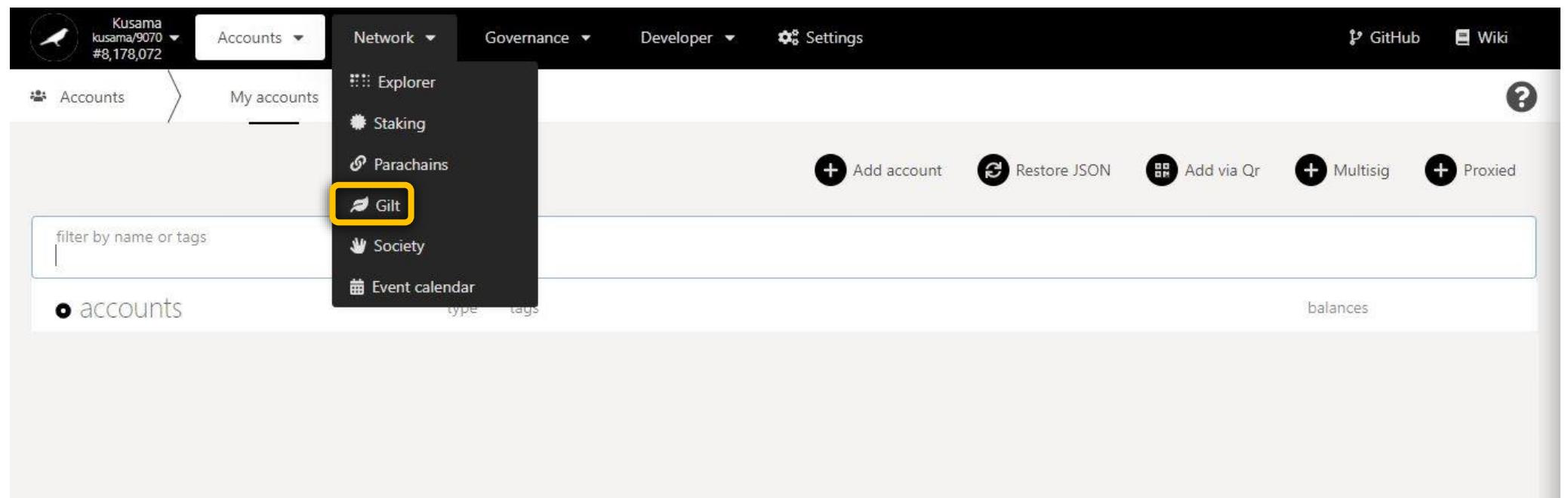
Version 2.0

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 side, there are links for 'GitHub' and 'Wiki', along with version information: 'Parity Polkadot v0.9.9', 'api v5.7.1', and 'apps v0.95.2-70'. Below the navigation bar, there are tabs for 'Parachains', 'Overview', 'Parathreads', 'Auctions', and 'Crowdloan', with 'Crowdloan' being the active tab. A message bar at the top of the main content area says: '⚠️ 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 message, there is a table titled 'ongoing' showing five active crowdloan entries. The columns in the table are: index, name, status, icon, account, duration, leases, raised, count, and actions. The first entry is for 'Mars' (index 2,008), the second for 'PolkaSmith by Polka...' (index 2,009), the third for 'Crust Shadow' (index 2,012), and the fourth for 'SherpaX' (index 2,013). The fifth entry is partially visible. A green box highlights the 'BING' account under the 'SherpaX' entry.

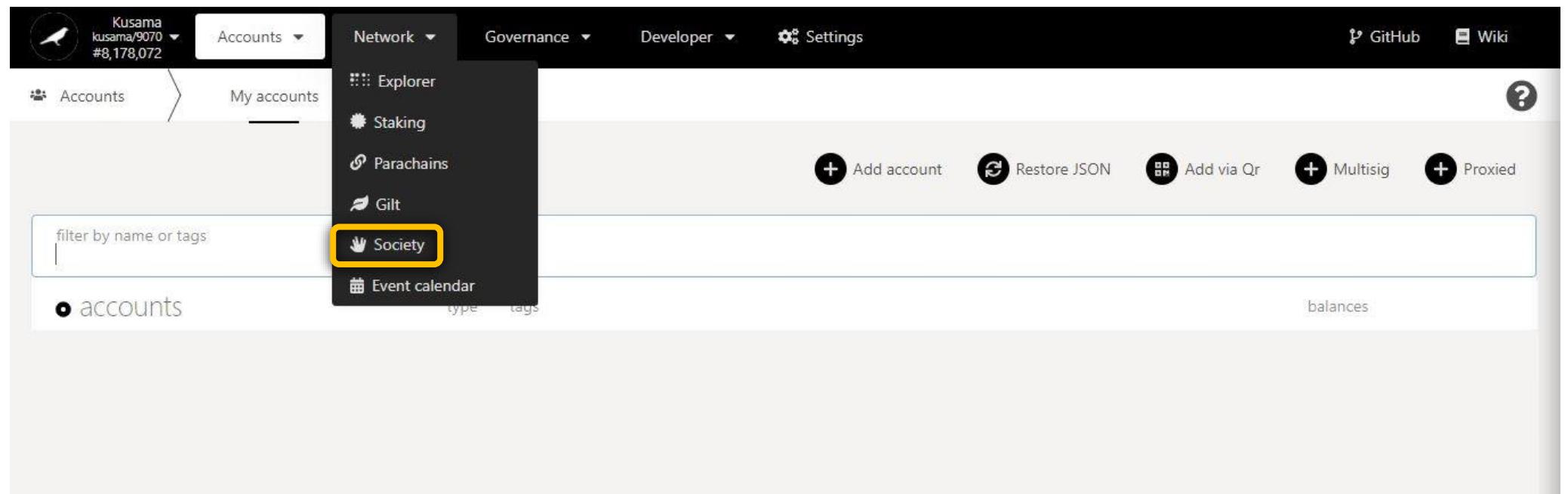
● ongoing					ending	leases	raised	count	
2,008	Mars	Active	ARESLAB		44 days 13 hrs #9,676,800	15 - 22	81,8000 / 220,000,000 KSM 0.03%	25	+ Contribute Homepage
2,009	PolkaSmith by Polka...	Active	POLKAFOUNDRY		44 days 13 hrs #9,676,800	15 - 22	12,460,3763 / 1,0000 MKSM 1.24%	925	+ Contribute Homepage
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	BING	EY1js3...23ZpTM	44 days 13 hrs #9,676,800	15 - 22	6,621,4786 / 1,0000 MKSM 0.66%	413	+ Contribute Homepage
							My contributions (1)		

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

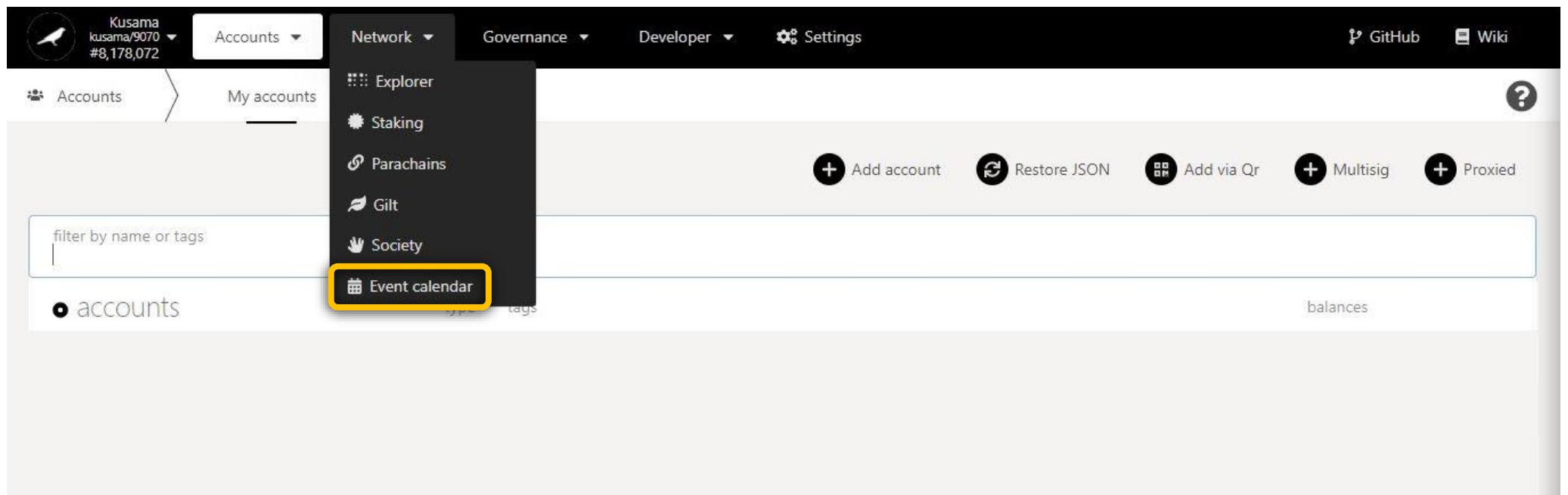
4. Gilt: View and participate in auctions for inflation-protected KSM derivatives. [TBC]



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



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 (selected), 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 background and labeled "Click on a day to view its events.". To the right, a detailed timeline for July 25, 2021, at 13:29 is shown, listing events from 0 AM to 16 PM. Two specific events are highlighted:

Time	Timestamp	Block Number	Description	Action
14 PM	14:28	#8,493,075	Start of a new staking session 14,507 via Staking	Details
15 PM	15:28	#8,493,675	Start of a new staking era 2,536 via Staking	Details

A yellow banner at the top right of the event list states: "Key information on upcoming events: date, time, block number, description, and module."

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 the 27th highlighted. On the right is a daily 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 shown in a modal window.

Click on the **module** to switch view on *Polkadot-JS Apps*.

July 2021

SUN MON TUE WED THU FRI SAT

1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30 31

27 July 2021

0 AM 00:37 #8,513,567 Potential dispatch of referendum 125 (if passed) via Democracy

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