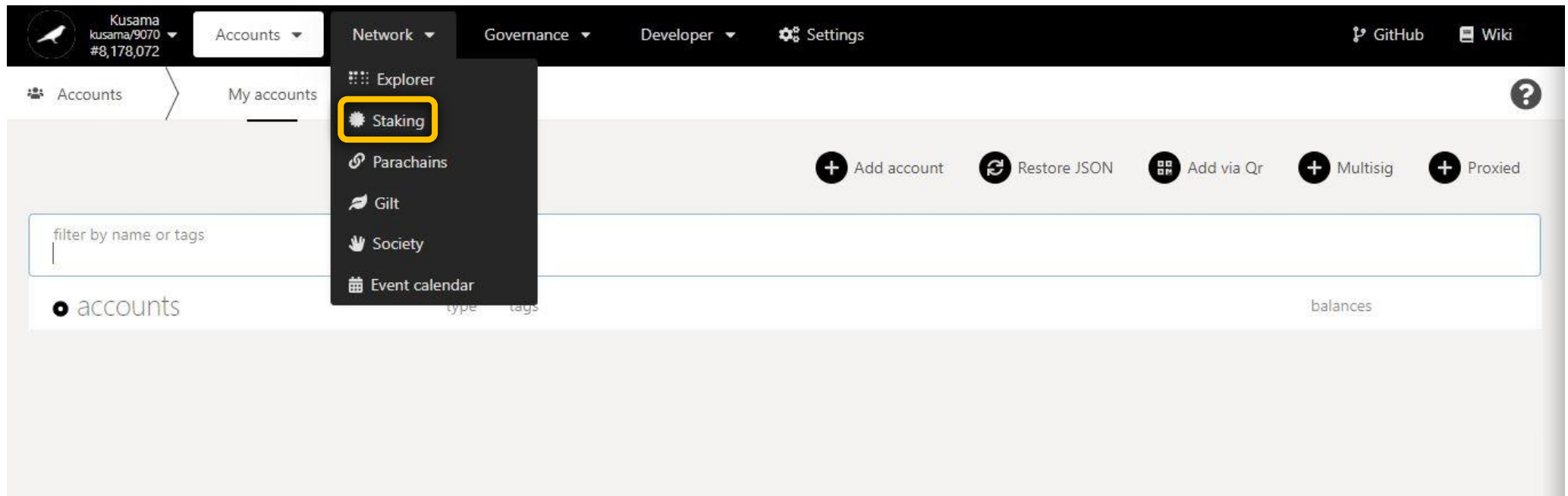


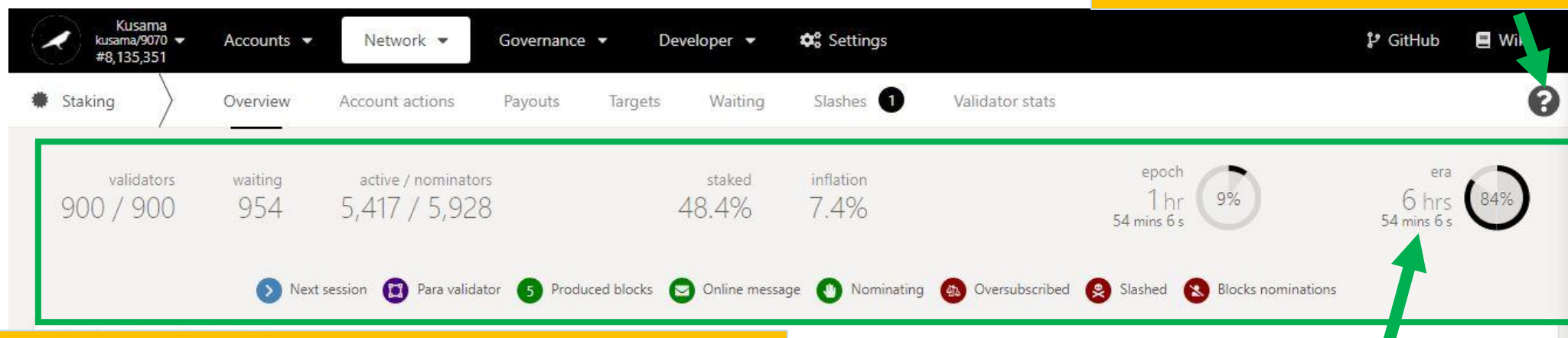
PART II: NETWORK

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**.

only with an identity ☐

● validators

	other stake	own stake	commission	points	last #
★ CaKh7H...pLYTH4	5,003.4452 KSM (16)	1.0000 KSM	100.00%	1,060	
★ CaRYnY...Y2bnqc	6,901.6296 KSM (3)	0.4500 KSM	10.00%	1,120	
★ CaSTAS...ZMJZW2	4,173.3305 KSM (55)	10.0000 KSM	100.00%	780	
★ CagHkt...yGyM8W	7,413.6884 KSM (1)	0.1000 KSM	100.00%	640	
★ CamaqN...tbPFD1	5,181.4473 KSM (18)	1.0000 KSM	5.00%	1,480	

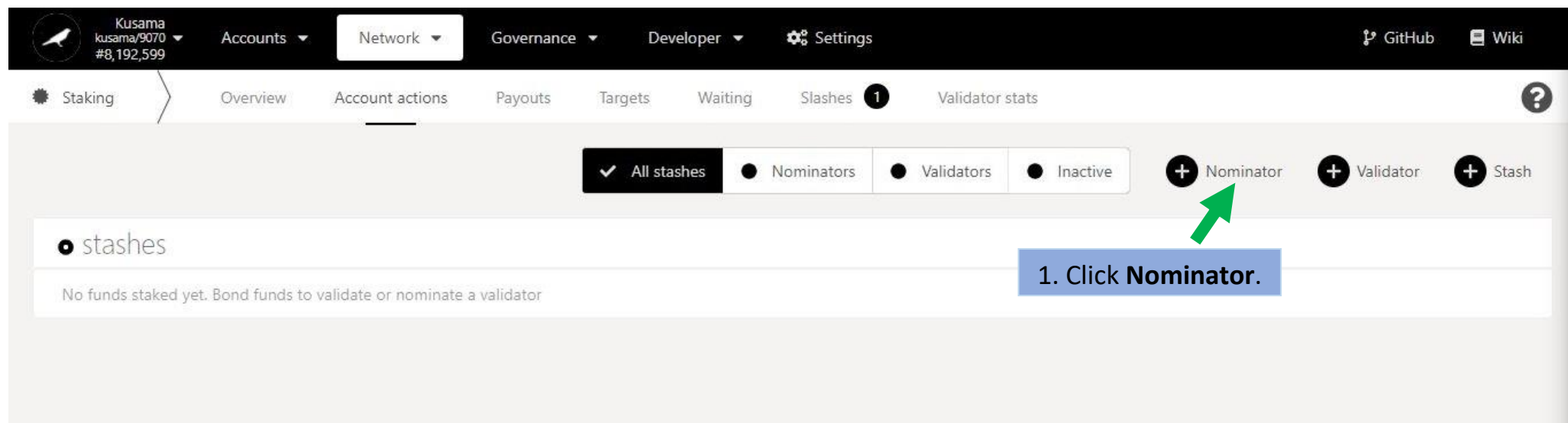
Addresses of **currently elected validators**.

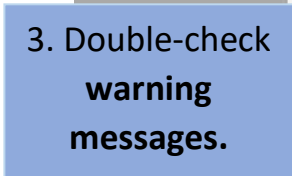
Summary of **validators' balances, commissions, and performance**.

NEVER SEND YOUR KSM TO A VALIDATOR'S ADDRESS!

b) Manage account nominations:

- Set nominators.





[Troubleshooting 1/4]

Double-check error messages.

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.

setup nominator 1/2

stash account
✓ ANAELLE LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByN...

controller account ?
ALTD@KSM (EXTENSION)
FeghWJq7AMgkYguRAAd796uvNVYburnURpBz7wZ9k...

⚠ 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
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.

Cancel prev next

[Troubleshooting 2/4]

Double-check error messages.

setup nominator 1/2

stash account
ALTD@KSM (EXTENSION) FegWwJq7AwgkYguRAd796uvNVYburnURpBz7wZ9k...

controller account ?
LALA HEjiAtKMqsi85R1LJ3qkxKjAZCwCJ6h2JRnKHKk5...

⚠ The controller does not have sufficient funds available to cover transaction fees. Ensure that a funded controller is used.

value bonded ?
0.1 balance 10.3703 KSM 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.

✕ Cancel ⏪ prev next ⏩

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.

Prepared by Anaelle LTD

[Troubleshooting 3/4]

The screenshot shows the 'setup nominator 1/2' dialog in the Polkadot.js interface. It includes fields for 'stash account' and 'controller account', both set to 'LALA'. Below these are two red error messages: 'The controller does not have sufficient funds available to cover transaction fees. Ensure that a funded controller is used.' and 'The specified value is too large and does not allow funds to pay future transaction fees.' Green arrows point from these messages to a green text box on the right. A red text box on the left says 'Double-check error messages.' The dialog also has a 'value bonded' field set to 0, an 'on-chain bonding duration' of 7 days, and a 'payment destination' dropdown set to 'Stash account (increase the amount at stake)'. At the bottom are 'Cancel', 'prev', and 'next' buttons.

Double-check error messages.

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 a some spare KSM.

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

[Troubleshooting 4/4]

The screenshot shows the 'setup nominator 1/2' dialog in the Polkadot-JS application. The dialog has a title bar with 'Kusama kusama/9070 #8,192,208' and a 'Staking' button. The main content area contains several input fields: 'stash account' (ALTD@KSM (EXTENSION) with address FegWWJq7AWgkYguRAAd796uvNVYburnURpBz7wZ9k...), 'controller account' (ANAELLE LTD@KSM with address HjcErRijmpoiBiKEHT3edPXH3NFycJogVwDPuByN...), 'value bonded' (0.1, balance 10.3703 KSM), 'on-chain bonding duration' (7 days), and 'payment destination' (Stash account (increase the amount at stake)). A red error message box is displayed in the center, stating: 'A controller account should not be set to manage multiple stashes. The selected controller is already controlling FegWWJq7AWgkYguRAAd796uvYguRAAd796uvzYguRAAd796uv'. A green arrow points to this error message. To the left of the dialog, a red box contains the text 'Double-check error messages.' To the right, a green box contains the text '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.' The dialog has a 'Cancel' button and 'prev'/'next' navigation buttons at the bottom right.

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.

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

setup nominator 1/2

stash account
ALTD@KSM (EXTENSION) FeghWJq7AkgkYguRAd796uvNVYburnURpBz7wZ9k...

controller account
ALTD@KSM (EXTENSION) FeghWJq7AkgkYguRAd796uvNVYburnURpBz7wZ9k...

⚠ 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)

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.

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**

4. Select one option for receiving reward payouts.

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

Kusama
kusama/9070
#8,192,242

Staking

stashes

ALTD@

setup nominator 2/2

filter by name, address, or account index

candidate accounts

ALLNODES/41

SHOTMAKER/

STAKE-OPS/1

MELANGE

ALLNODES/43

nominated accounts

⚠ 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

Wiki

?

Stash

Stop

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.

Kusama
kusama/9070
#8,192,287

setup nominator 2/2

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

candidate accounts

ALLNODES/41

SHOTMAKER/

STAKE-OPS/1

MELANGE

ALLNODES/43

nominated accounts

JACKFLASH/FORKLESSNATION

HUNTER

SORAMITSU/SUB1

RYABINA/ [12] T.ME/KUSAMA_BOT

ADAM_CLAY_STEEBER

⚠ 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

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.

Prepared by Anaelle LTD

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

sultan

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.

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

Kusama
kusama/9070
#8,192,309

Staking

stashes

ALTDG

setup nominator 2/2

sultan

candidate accounts

nominated accounts

HUNTER

SORAMITSU/SUB1

RYABINA/ [12] T.ME/KUSAMA_BOT

ADAM_CLAY_STEEBER

SULTANOFSTAKING

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

Wiki

?

Stash

Stop

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.

Nature of the transaction.

12. Follow the **final instructions** carefully.

utility.batchAll
queued

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)

FeghWJq7AWgkYguRAAd796uvNVYburnURpBz7wZ9k...

Do not include a tip for the block author ☐

call hash

0xc337e6e06d4d94e90c5de2718dfb58bfc7ed305c50ccaa2252d3d38ecff2f2b6

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

Sign and Submit ☐

Cancel

Sign and Submit

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

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

The screenshot shows the Polkadot.js Staking interface. A transaction modal is open, displaying details for a transaction sent from 'https://polkadot.js.org/apps/#/staking' to the account 'ALTD@KSM'. The transaction method is 'utility.batchAll(calls)'. A password prompt is visible, and the 'Sign the transaction' button is highlighted. A blue box at the top right indicates 'utility.batchAll signing'. A yellow box on the left summarizes the transaction. A yellow box at the top right shows the transaction progress. A blue box at the bottom right provides instructions for entering the password and remembering it. A blue box at the bottom left provides instructions for clicking the 'Sign the transaction' button.

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

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

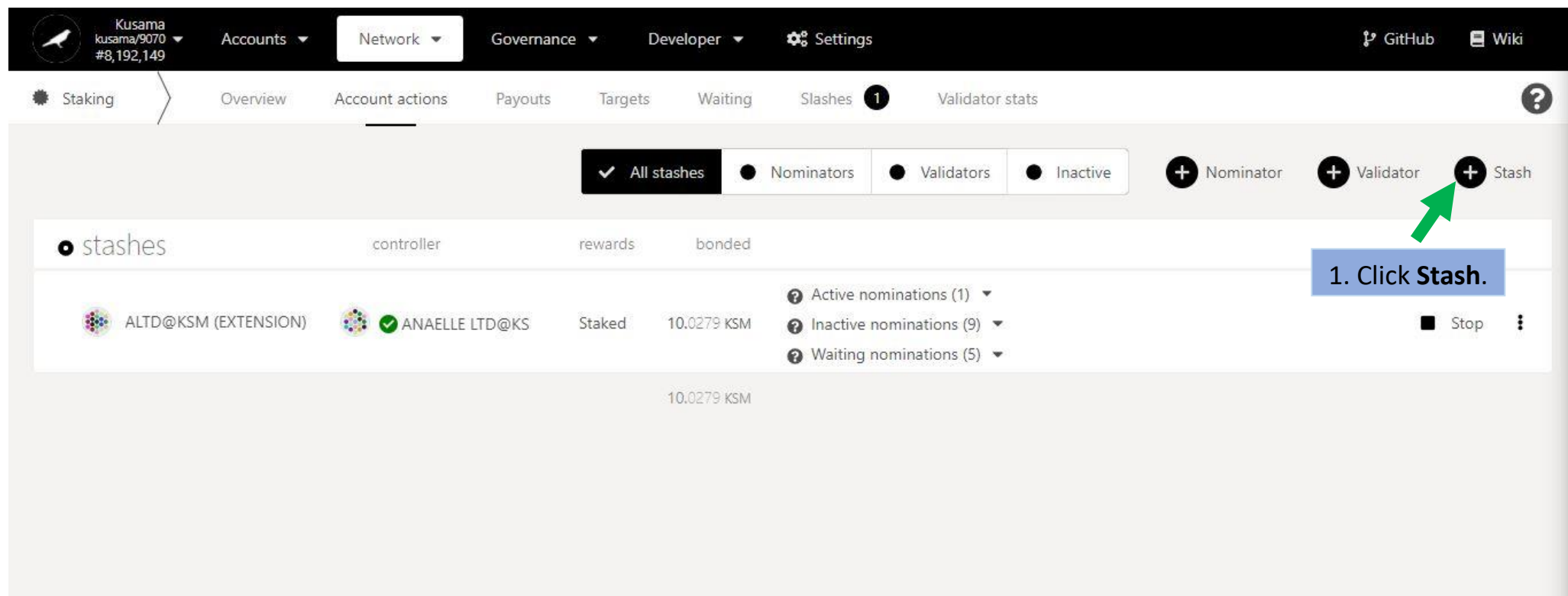
15. Click on Sign the transaction to complete the procedure.

Progress of the transaction.

utility.batchAll signing

Sign the transaction

- Add stashes.



The screenshot shows the Polkadot.js Apps interface for the Kusama network. The top navigation bar includes links for Accounts, Network (selected), Governance, Developer, and Settings. The main header shows the user's account: Kusama kusama/9070 #8,192,149. The Staking section is active, with tabs for Overview, Account actions, Payouts, Targets, Waiting, Slashes (1), and Validator stats. Below the tabs, there are filters for All stashes (selected), Nominators, Validators, and Inactive. On the right, there are buttons to add a Nominator, Validator, or Stash. A green arrow points to the '+ Stash' button, and a blue callout box contains the text '1. Click Stash.'.

stashes	controller	rewards	bonded	
ALTD@KSM (EXTENSION)	ANAELLE LTD@KS	Staked	10.0279 KSM	<div>Active nominations (1)</div> <div>Inactive nominations (9)</div> <div>Waiting nominations (5)</div> <div>Stop</div>
			10.0279 KSM	

2. Follow on-screen instructions carefully.

3. Double-check warning messages.

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.

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

Kusama
kusama/9070
#8,192,571

Staking

Accounts

Network

Coverage

Developer

Settings

Wiki

?

+

Stash

Stop

bonding preferences

stash account
ALTD@KSM (EXTENSION)
FeghWJq7AiwgkYguRAd796uvNVYburnURpBz7wZ9k...

controller account
ALTD@KSM (EXTENSION)
FeghWJq7AiwgkYguRAd796uvNVYburnURpBz7wZ9k...

⚠️ 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)

Cancel

Bond

Prepared by Anaelle LTD

Nature of the transaction.

staking.bond
queued

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

5. Check the transaction fees.



sending from my account

ALTD@KSM (EXTENSION)

FeghWJq7AigkYguRAAd796uvNVYburnURpBz7wZ9k...

Do not include a tip for the block author ☐

call hash

0x2e106e2bdbb21e911e68c3d4c06160f12895d22a35559aa04e6767f499b1d301



Sign and Submit ☐



Cancel



Sign and Submit

payment destination ?

Stash account (increase the amount at stake)

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



Cancel



Bond

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

The screenshot shows the Polkadot-JS Staking interface. A modal window titled "Transaction" is open, displaying details for a transaction on the Kusama network. The transaction is from the account "ALTD@KSM" and is a "staking.bond" operation. The modal also includes a password field and a "Remember my password" checkbox. The background interface shows the "staking.bond signing" button and a "Progress of the transaction" section.

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

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

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.

The screenshot shows the Polkadot.js Staking interface. At the top, there's a navigation bar with 'Kusama kusama/9070 #8,194,806', 'Accounts', 'Network' (selected), 'Governance', 'Developer', and 'Settings'. Below this is a sub-navigation bar with 'Staking' (selected), 'Overview', 'Account actions', 'Payouts', 'Targets', 'Waiting', 'Slashes' (with a notification badge '1'), and 'Validator stats'. A yellow callout box points to the 'All stashes' button in the 'Stashes' section, stating: 'View all the stashes associated to your existing accounts.' The 'Stashes' section shows two stashes: 'ALTD@KSM (EXTENSION)' and 'ANAELLE LTD@KS'. A yellow callout box points to the 'ALTD@KSM (EXTENSION)' stash, stating: 'Name of the stash. It is used to bond KSM for nominations and set a controller. It can be used to compound reward payouts.' Another yellow callout box points to the 'ANAELLE LTD@KS' stash, stating: 'Name of the controller. It is used to set nominees for bonded KSM on behalf of a stash.' The 'Staked' section shows a balance of 10.0279 KSM. A green box highlights the nomination list, which includes 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. A yellow callout box points to the 'Stop' button for a nomination, stating: 'Stop all nomination activities associated with this stash.'

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.

Staking summary:

Staked: Total balance of KSM bonded/locked into nominations (includes rewards payouts if paid are made into 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 rewards payments for the current era.

Waiting nominations: Nominations waiting to be included in the active set or in the list of rewarddees.

- Bond more funds.

The screenshot shows the Kusama Staking interface. The top navigation bar includes 'Kusama kusama/9070 #8,192,149', 'Accounts', 'Network' (selected), 'Governance', 'Developer', 'Settings', 'GitHub', and 'Wiki'. Below this is a sub-navigation bar with 'Staking' (selected), 'Overview', 'Account actions', 'Payouts', 'Targets', 'Waiting', 'Slashes' (with a '1' badge), and 'Validator stats'. The main content area displays a table of stashes. The table has columns for 'stashes', 'controller', 'rewards', and 'bonded'. The first row shows a stash controlled by 'ALTD@KSM (EXTENSION)' with a bonded amount of '10.0279 KSM'. To the right of the table, there are buttons for 'Nominator', 'Validator', and 'Stash'. A callout box with a green arrow points to the three vertical dots menu icon next to the 'Stop' button, with the text: '1. Click on the 3 vertical dots to view **Staking settings**.'

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

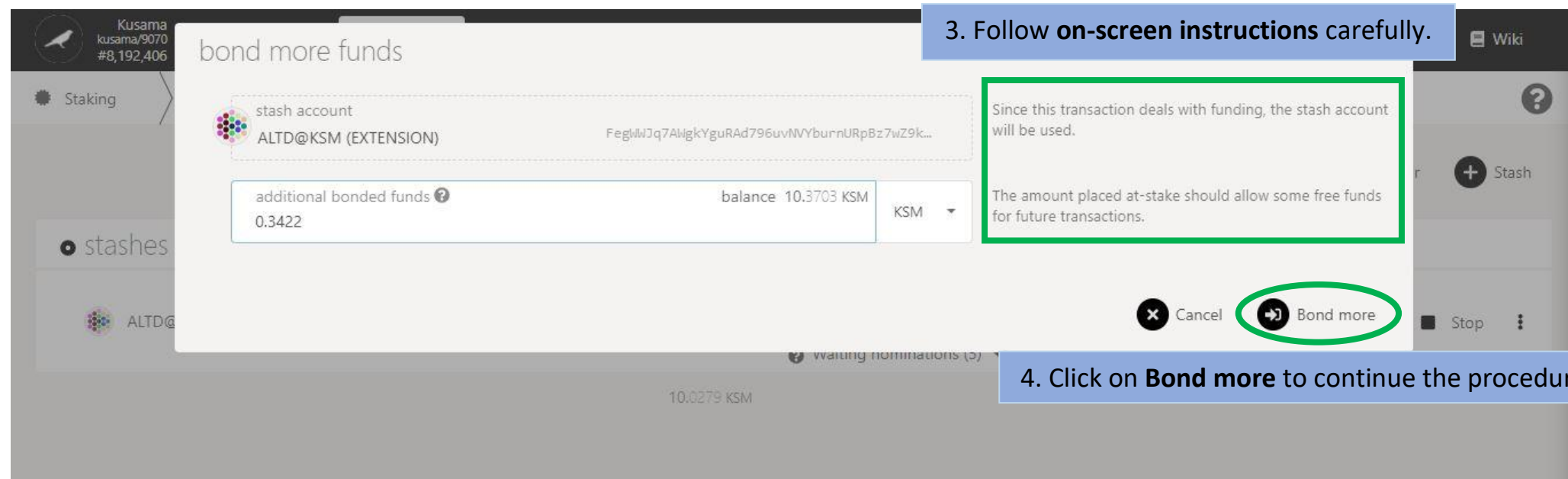
GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

The screenshot shows the 'Staking' section of the Polkadot JS Apps interface. The top navigation bar includes 'Staking', 'Overview', 'Account actions', 'Payouts', 'Targets', 'Waiting', 'Slashes' (with a notification badge '1'), and 'Validator stats'. Below this is a filter bar with 'All stashes' (selected), 'Nominators', 'Validators', and 'Inactive'. On the right of the filter bar are buttons for '+ Nominator', '+ Validator', and '+ Stash'. The main content area is titled 'stashes' and contains a table with columns: controller, rewards, and bonded. The table lists two stashes: 'ALTD@KSM (EXTENSION)' and 'ANAELLE LTD@KS' (marked with a green checkmark). The 'ANAELLE LTD@KS' stash is 'Staked' with a value of '10.0279 KSM'. To the right of the table, there are links for 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. A green arrow points from a blue callout box to the 'Bond more funds' option in the dropdown menu that appears when the 'Stop' button is clicked.

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



Nature of the transaction.

staking.bondExtra
queued

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

5. Check the transaction fees.



sending from my account
ALTD@KSM (EXTENSION)

FegWJq7AWgkYguRAd796uvNVYburnURpBz7wZ9k...

Do not include a tip for the block author



call hash

0x39761cb3f888e2545f21f0fc18a5fa963d0b39d86f0191c3416340eff953b5a6



Sign and Submit



Cancel



Sign and Submit

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

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

The screenshot shows the Polkadot.js Staking interface. A dark modal window titled "Transaction" is open, displaying details for a transaction from "ALTD@KSM" on the Kusama chain. The transaction method is "staking.bondExtra(max_additional)". Below the transaction details, there is a password input field and a checkbox labeled "Remember my password for the next 15 minutes". An orange button at the bottom of the modal is labeled "Sign the transaction".

Annotations and steps:

- Summary of the transaction sent via the Polkadot-JS extension.** (Points to the transaction details in the modal)
- staking.bondExtra signing** (Points to the transaction method in the modal)
- Progress of the transaction.** (Points to the "staking.bondExtra signing" button in the top right)
- 7. Enter your account's password and tick the box to remember your password, if necessary.** (Points to the password input field and the "Remember my password" checkbox)
- 8. Click on Sign the transaction to complete the procedure.** (Points to the "Sign the transaction" button)

- Unbond funds.

The screenshot shows the Kusama Staking interface. At the top, there's a navigation bar with 'Kusama kusama/9070 #8,192,149' and tabs for 'Accounts', 'Network', 'Governance', 'Developer', and 'Settings'. Below this, a sub-navigation bar includes 'Staking', 'Overview', 'Account actions', 'Payouts', 'Targets', 'Waiting', 'Slashes' (with a '1' badge), and 'Validator stats'. The main content area is titled 'stashes' and has columns for 'controller', 'rewards', and 'bonded'. There are three tabs: 'All stashes' (selected), 'Nominators', and 'Validators'. On the right, there are buttons for '+ Nominator', '+ Validator', and '+ Stash'. The table lists stashes with their controllers, status, and bonded amount. The first stash is 'ALTD@KSM (EXTENSION)' with status 'Staked' and '10.0279 KSM'. To its right, there are links for 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. Further right, there is a 'Stop' button and a three-dot menu icon. A green arrow points to this menu icon. Below the table, the total bonded amount '10.0279 KSM' is shown.

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

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

The screenshot shows the Polkadot.js Apps interface for staking. The top navigation bar includes tabs for Staking, Overview, Account actions, Payouts, Targets, Waiting, Slashes (with a notification badge '1'), and Validator stats. Below the navigation bar, there are filters for 'All stashes' (selected), 'Nominators', 'Validators', and 'Inactive'. The main content area displays a table of stashes with columns for controller, rewards, and bonded amount. The 'ANAELLE LTD@KS' stash is highlighted, and a dropdown menu is open, showing options: 'Bond more funds', 'Unbond funds', 'Withdraw unbonded funds', 'Change controller account', 'Change reward destination', and 'Set nominees'. A blue callout box with a green arrow points to the 'Unbond funds' option, with the text: '2. Click on **Unbond funds** to decrease the amount of KSM you are staking.'

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

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

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.



Kusama
kusama/9070
#8,192,452

Staking

stashes

ALTD@

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

sending from my account

✓ ANAELLE LTD@KSM

HjcErRijmpo1BiKEHT3edPXM3NFycJogVwDPuByN...

Do not include a tip for the block author

☐

call hash

0x04f4bac2282fd711c009122f52b6ace5425ecd3e6797f98f56aee5ded8f7256b

Sign and Submit ☐

Cancel

Sign and Submit

staking.unbond
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.

+

 Stash

Stop

5. Check the transaction fees.

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

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

The screenshot shows the Polkadot.js Staking interface. A transaction modal is open, displaying details for a transaction from 'Anaelle LTD@KSM'. The transaction details include the source URL, chain (Kusama), version (9070), nonce (94), method (staking.unbond(value)), and lifetime. Below the details is a password input field and a checkbox for 'Remember my password for the next 15 minutes'. The 'Sign the transaction' button is highlighted with a green circle. A green arrow points to the 'staking.unbond signing' button in the top right. A yellow box highlights the transaction details, and a blue box highlights the password input area. A yellow box at the bottom right highlights the 'Sign the transaction' button.

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

staking.unbond signing

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.

- Change controller account.

The screenshot shows the Kusama Staking interface. The top navigation bar includes 'Accounts', 'Network', 'Governance', 'Developer', and 'Settings'. The 'Staking' section is active, with sub-tabs for 'Overview', 'Account actions', 'Payouts', 'Targets', 'Waiting', 'Slashes', and 'Validator stats'. The 'Stashes' tab is selected, showing a list of stashes. The first stash is controlled by 'ALTD@KSM (EXTENSION)' and is 'Staked' with a balance of '10.0279 KSM'. To the right of the stash, there are links for 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. A 'Stop' button and a three-dot menu icon are also visible. A green arrow points to the three-dot menu icon, and a blue box contains the instruction: '1. Click on the 3 vertical dots to view **Staking settings**.'

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

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

The screenshot shows the Polkadot.js Staking interface. The top navigation bar includes tabs: Staking, Overview, Account actions, Payouts, Targets, Waiting, Slashes (with a notification badge '1'), and Validator stats. Below the navigation bar, there are filters for 'All stashes' (selected), 'Nominators', 'Validators', and 'Inactive'. On the right, there are buttons to add a 'Nominator', 'Validator', or 'Stash'. The main content area is titled 'stashes' and has columns for 'controller', 'rewards', and 'bonded'. A single stash is listed with the controller 'ALTD@KSM (EXTENSION)' and a bonded amount of '10.0279 KSM'. To the right of the stash, there are links for 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. A 'Stop' button and a menu icon are also present. A blue callout box with the text '2. Click on **Change controller account** to set a new controller for this stash.' has a green arrow pointing to the 'Change controller account' option in the dropdown menu that appears when the menu icon is clicked. The dropdown menu also includes options for 'Bond more funds', 'Unbond funds', 'Withdraw unbonded funds', 'Change reward destination', and 'Set nominees'.

2. Click on **Change controller account** to set a new controller for this stash.

change controller account

stash account
ALTD@KSM (EXTENSION) FegWwJq7AwgkYguRAd796uvNVYburnURpBz7wZ9k...

ANAELLE LTD@KSM HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByN...

ACCOUNTS

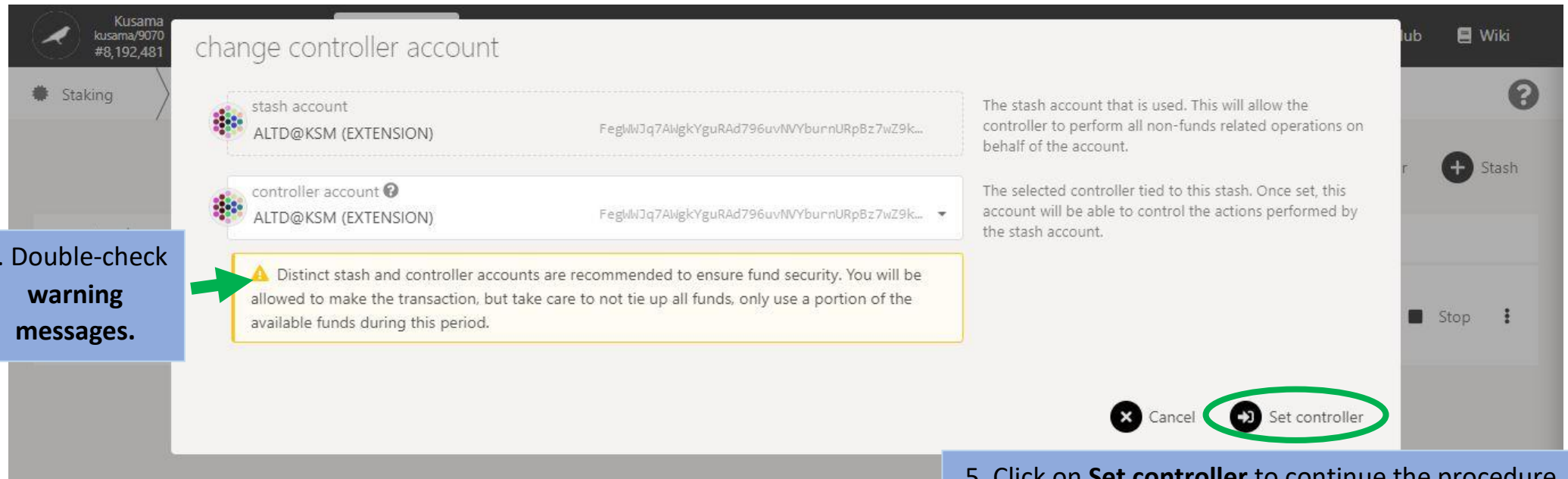
ALTD@KSM (EXTENSION)	FegWwJq7AwgkYguRAd796uvNVYburnURpBz7wZ9k...
ANAELLE LTD@KSM	HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByN...
LALA	HEjiAtKMqsi85R1LJ3qkxKjAZCwCJ6h2JRRrKHKk...

3. Follow on-screen instructions carefully.

The stash account that is used. This will allow the controller to perform all non-funds related operations on behalf of the account.

The selected controller tied to this stash. Once set, this account will be able to control the actions performed by the stash account.

Cancel Set controller



Nature of the transaction.

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

6. Check the transaction fees.

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

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

staking.setController
queued

The screenshot shows the Polkadot.js Staking interface. A transaction modal is open, displaying details for a transaction sent via the Polkadot-JS extension. The transaction details include the sender (ALTD@KSM), the chain (Kusama), the version (9070), the nonce (248), the method (staking.setController(controller)), and the lifetime (mortal, valid from 8,192,489 to 8,192,553). Below the details, there is a password input field and a checkbox labeled "Remember my password for the next 15 minutes". The "Sign the transaction" button is highlighted with a green circle. In the background, the staking interface shows a progress bar and a "staking.setController signing" button. A green arrow points from the transaction summary box to the transaction details. Another green arrow points from the "staking.setController signing" button to the progress bar.

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

Progress of the transaction.

staking.setController signing

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.**

- Change reward destination.

The screenshot shows the Kusama Staking interface. The top navigation bar includes links for Accounts, Network, Governance, Developer, and Settings. The main section is titled 'Staking' and contains tabs for Overview, Account actions, Payouts, Targets, Waiting, Slashes (with a notification badge), and Validator stats. Below these tabs, there are filters for 'All stashes', 'Nominators', 'Validators', and 'Inactive'. The 'stashes' section displays a table with columns for controller, rewards, and bonded. The first row shows 'ALTD@KSM (EXTENSION)' with a status of 'Staked' and a bonded amount of '10.0279 KSM'. The second row shows 'ANAELLE LTD@KS' with a status of 'Staked' and a bonded amount of '10.0279 KSM'. To the right of the 'ANAELLE LTD@KS' row, there are links for 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. A 'Stop' button and a three-dot menu icon are also present. A green arrow points to the three-dot menu icon, and a blue box contains the instruction: '1. Click on the 3 vertical dots to view Staking settings.'

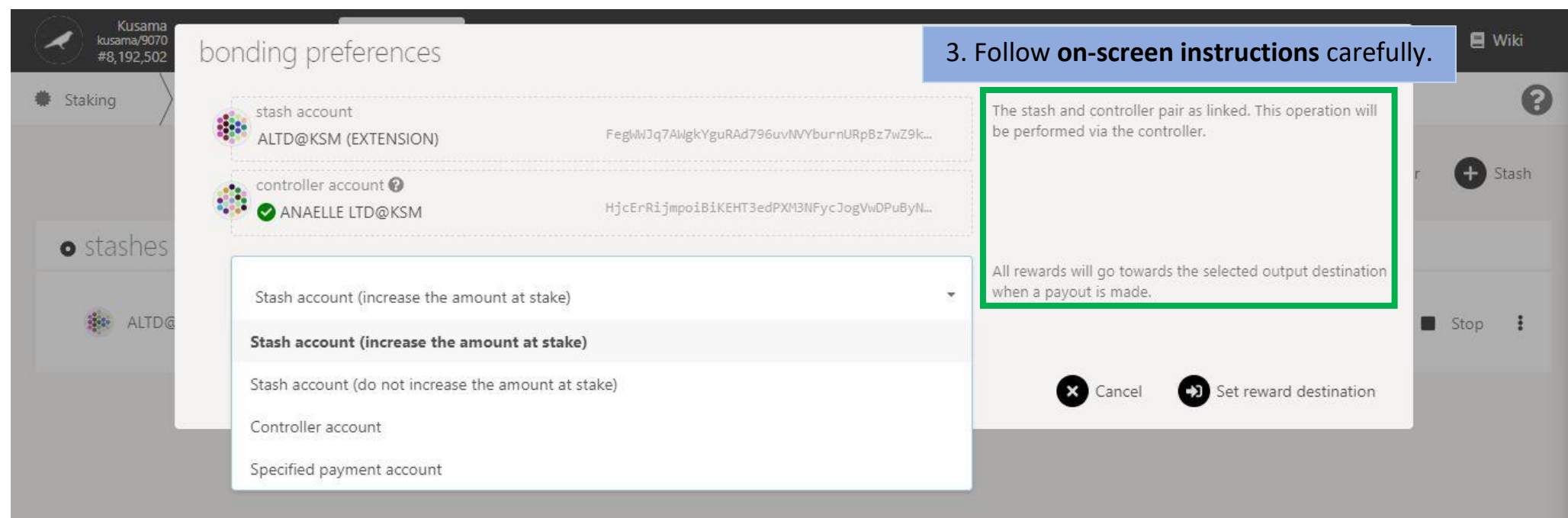
stashes	controller	rewards	bonded
ALTD@KSM (EXTENSION)	ANAELLE LTD@KS	Staked	10.0279 KSM
10.0279 KSM			

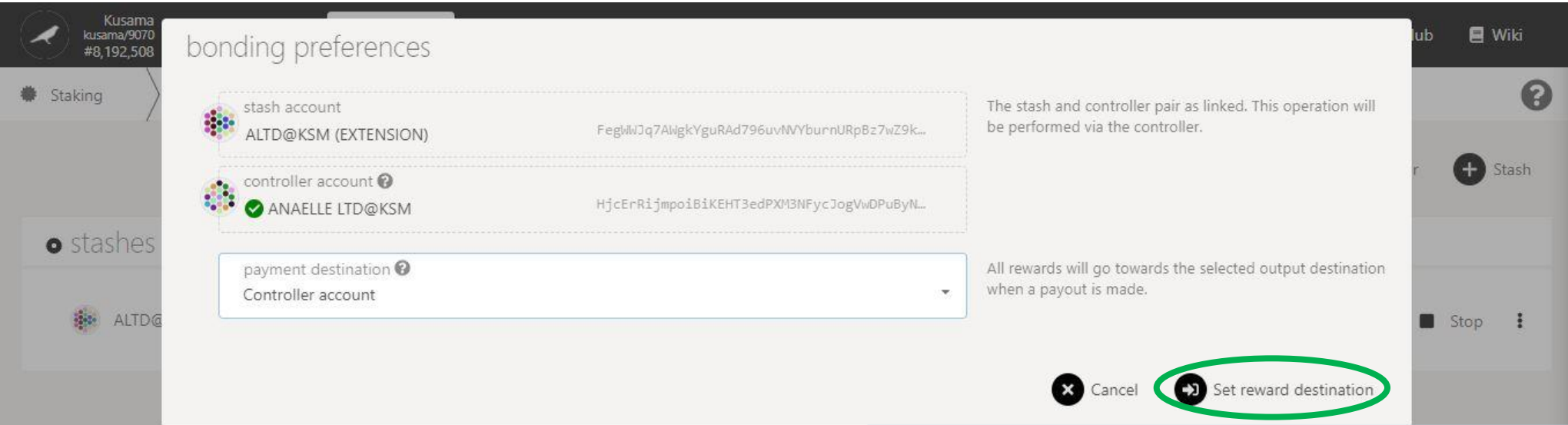
GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

The screenshot shows the 'Staking' section of the Polkadot JS Apps interface. The top navigation bar includes 'Staking', 'Overview', 'Account actions', 'Payouts', 'Targets', 'Waiting', 'Slashes' (with a notification badge '1'), and 'Validator stats'. Below this, there are tabs for 'All stashes' (selected), 'Nominators', 'Validators', and 'Inactive'. On the right, there are buttons to '+ Nominator', '+ Validator', and '+ Stash'. The main content area is titled 'stashes' and has columns for 'controller', 'rewards', and 'bonded'. A table lists stashes, with the first one being 'ALTD@KSM (EXTENSION)' controlled by 'ANAELLE LTD@KS' (indicated by a green checkmark). The status is 'Staked' with a value of '10.0279 KSM'. To the right of the table, there are links for 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. A 'Stop' button and a menu icon are also present. The menu is open, showing options: 'Bond more funds', 'Unbond funds', 'Withdraw unbonded funds', 'Change controller account', 'Change reward destination' (highlighted with a green arrow), and 'Set nominees'. A blue text box with a green arrow points to the 'Change reward destination' option.

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





The screenshot shows the 'bonding preferences' dialog in the Polkadot-JS Apps interface. The dialog has a title bar with a close button. It contains three sections: 'stash account' with the address 'ALTD@KSM (EXTENSION)' and a public key; 'controller account' with a green checkmark, the address 'ANAELLE LTD@KSM', and a public key; and 'payment destination' with a dropdown menu currently set to 'Controller account'. To the right of these sections are explanatory text blocks. At the bottom right are two buttons: 'Cancel' and 'Set reward destination', which is circled in green. A blue callout box at the bottom right of the image contains the instruction: '4. Click on **Set reward destination** to continue the procedure.'

Kusama
kusama/9070
#8,192,508

Staking

stashes

ALTD@

bonding preferences

stash account
ALTD@KSM (EXTENSION)
FegWJq7AwgkYguRAd796uvNVYburnURpBz7wZ9k...

controller account ?
✓ ANAELLE LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByN...

payment destination ?
Controller account

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

4. Click on **Set reward destination** to continue the procedure.

Nature of the transaction.



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

5. Check the transaction fees.

sending from my account
✓ ANAELLE LTD@KSM
HjcErRjmpoiBiKEHT3edPXM3NFycJogVwDPuByN...

Do not include a tip for the block author ☐

call hash
0x6fbf3cd12bb63dcf99c2dcb627080fb80d9cfa0d27962c5b20c5d8351ae18cab

Sign and Submit ☐

Cancel 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 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

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

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

Kusama kusama/9070 #8,192,518

Accounts Network Governance Developer Settings

polkadot{js}

staking.setPayee signing

Progress of the transaction.

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

Transaction

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.

- Set nominees.

The screenshot shows the Kusama Staking interface. The top navigation bar includes 'Kusama kusama/9070 #8,192,149', 'Accounts', 'Network', 'Governance', 'Developer', 'Settings', 'GitHub', and 'Wiki'. Below this, the 'Staking' section is active, with sub-tabs for 'Overview', 'Account actions', 'Payouts', 'Targets', 'Waiting', 'Slashes' (with a notification badge '1'), and 'Validator stats'. The 'stashes' section is displayed, showing a table with columns for controller, rewards, and bonded amounts. The table lists two stashes: 'ALTD@KSM (EXTENSION)' and 'ANAELLE LTD@KS'. The 'ANAELLE LTD@KS' stash is highlighted, showing it is 'Staked' with a bonded amount of '10.0279 KSM'. To the right of the table, there are buttons for 'Nominator', 'Validator', and 'Stash', and a 'Stop' button with a three-dot menu icon. A green arrow points to the three-dot menu icon, indicating where to click to view staking settings.

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

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

The screenshot shows the Polkadot Staking interface. At the top, there's a navigation bar with tabs: Staking, Overview, Account actions, Payouts, Targets, Waiting, Slashes (with a '1' badge), and Validator stats. Below this is a filter bar with buttons: 'All stashes' (selected), 'Nominators', 'Validators', and 'Inactive'. To the right are buttons to add 'Nominator', 'Validator', and 'Stash'. The main content area is titled 'stashes' and has columns for 'controller', 'rewards', and 'bonded'. It lists two stashes: 'ALTD@KSM (EXTENSION)' and 'ANAELLE LTD@KS' (which is checked with a green checkmark). The 'ANAELLE LTD@KS' stash is 'Staked' with a value of '10.0279 KSM'. To the right of the stashes, there are statistics: 'Active nominations (1)', 'Inactive nominations (9)', and 'Waiting nominations (5)'. A 'Stop' button is also present. A dropdown menu is open for the 'ANAELLE LTD@KS' stash, showing options: 'Bond more funds', 'Unbond funds', 'Withdraw unbonded funds', 'Change controller account', 'Change reward destination', and 'Set nominees'. A blue box with white text and a green arrow points to the 'Set nominees' option.

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

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**.

candidate accounts

- JCghFN...KhPGeZ
- JACO/v35
- STAKEFISH/SF-27
- HmsTAS...THnpyQ
- STAKEFISH/SF-09

nominated accounts

- STAKE-MACHINE.COM
- SULTANOFSTAKING
- LITBUTHEDGEDCAP
- AMALLYN
- HUNTER

5. 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.

Cancel Nominate

nominate validators

stash account
ALTD@KSM (EXTENSION) FeghWJq7AWgkYguRAd796uvNVYburnURpBz7wZ9k...

controller account
ANAELLE LTD@KSM HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByN...

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/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.

Cancel Nominate

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.

Nature of the transaction.



staking.nominate
queued

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.



sending from my account

✓ ANAELLE LTD@KSM

HjcErRijmpoiBiKEHT3edPXM3NFycJogVwDPuByN...

Do not include a tip for the block author



call hash

0x387b5a8c224730a6e029b53f87ef8c92d60880bb073d5329d4f2939e9c09864d



Sign and Submit



Cancel



Sign and Submit



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.

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



Cancel



Nominate

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

The screenshot shows the Polkadot.js Apps interface with the 'Network' tab selected. A transaction summary is displayed, showing the account 'Anaelle LTD@KSM' and the method 'staking.nominate(targets)'. The transaction details include the origin, chain, version, nonce, method, info, and lifetime. A green arrow points to the 'staking.nominate signing' button in the top right corner. A yellow box highlights the 'Progress of the transaction.' section. A blue box highlights the password entry field and the 'Remember my password' checkbox. A green box highlights the 'Sign the transaction' button. A blue box highlights the 'Sign the transaction' button.

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

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.

Kusama
kusama/9070
#8,135,613

Accounts Network Governance Developer Settings

Staking Overview Account actions Payouts Targets Waiting Slashes 1 Validator stats

1. Click **Payouts**.

2 days 6 days 18 days Max, 84 eras

Own validators Own stashes Payout all

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

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

Track all rewards received and pending for each individual era.

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

d) Check nomination targets.

1. Click Targets.

The screenshot shows the Polkadot.js Staking interface. At the top, the 'Targets' tab is selected. A green box highlights the key information on staking targets: total staked (5.4360 MKSM, 48%), returns (15.4%), lowest / avg staked (4,184 / 6,040 KSM, 69%), and last reward (571.7473 KSM). Below this, a yellow box states: 'Key information on staking targets: average returns, amount staked, and amounts rewarded.' The interface also shows various status indicators like 'Next session', 'Produced blocks', 'Online message', 'Nominating', 'Oversubscribed', 'Slashed', and 'Blocks nominations'. A filter section allows toggling various criteria: 'single from operator', 'no 20%+ comm', 'no at capacity', 'recent payouts', 'only elected', and 'only with an identity'. A blue box with an arrow pointing to the 'no 20%+ comm' toggle states: '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.' Below the filters, a list of validators is shown, including 'STAKE-OPS/1' and 'MELANGE'. A green box highlights a table of validator data with columns: nominators, comm., total stake, own stake, and return. The table lists five validators with their respective metrics.

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**.

GUIDE TO POLKADOT-JS APPS – PART II: Network - Staking

Version 1.0

Kusama
kusama/9070
#8,195,592

Accounts

Network

Governance

Developer

Settings

GitHub

Wiki

Staking

Overview

Account actions

Payouts

Targets

Waiting

Slashes 1

Validator stats

total staked
5.4360 MKSM

48%

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.

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

comm.

total stake

own stake

return

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

e) Check the list of waiting validators.

1. Click **Waiting**.

filter by name, address or index

only with an identity ☐

intentions

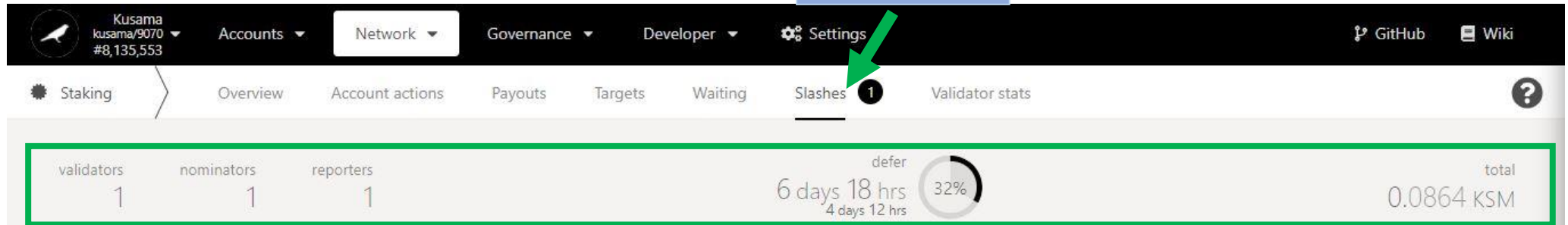
			nominators	commission	
★	>	TWINNET/STASH	Nominations (10) ▼	10.00%	PS
★	>	KEEPPNODE/HYDROGEN	Nominations (134) ▼	2.00%	PS
★	>	JACO/V37	Nominations (34) ▼	2.00%	PS
★	>	ZUG CAPITAL/82	Nominations (21) ▼	2.50%	PS
★	>	RYABINA/ [44] T.ME/KUSAMA_BOT	Nominations (47) ▼	3.00%	PS
★	>	JACO/V36	Nominations (26) ▼	2.00%	PS
★	>	RYABINA/ [47] T.ME/KUSAMA_BOT	Nominations (22) ▼	3.00%	PS

2. Click on **PS** to view a **validator's statistics**.

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

f) Check the list of slashed validators.

1. Click **Slashes**.



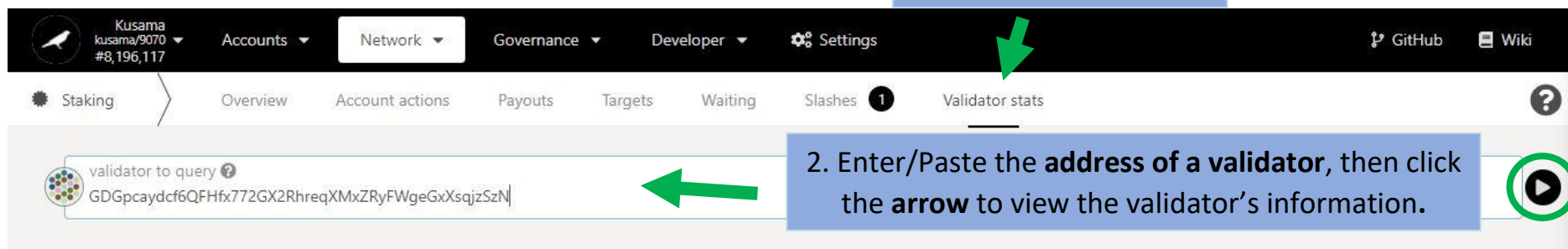
2. Click on the slashed validator's name to view a **summary of its account**.

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

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

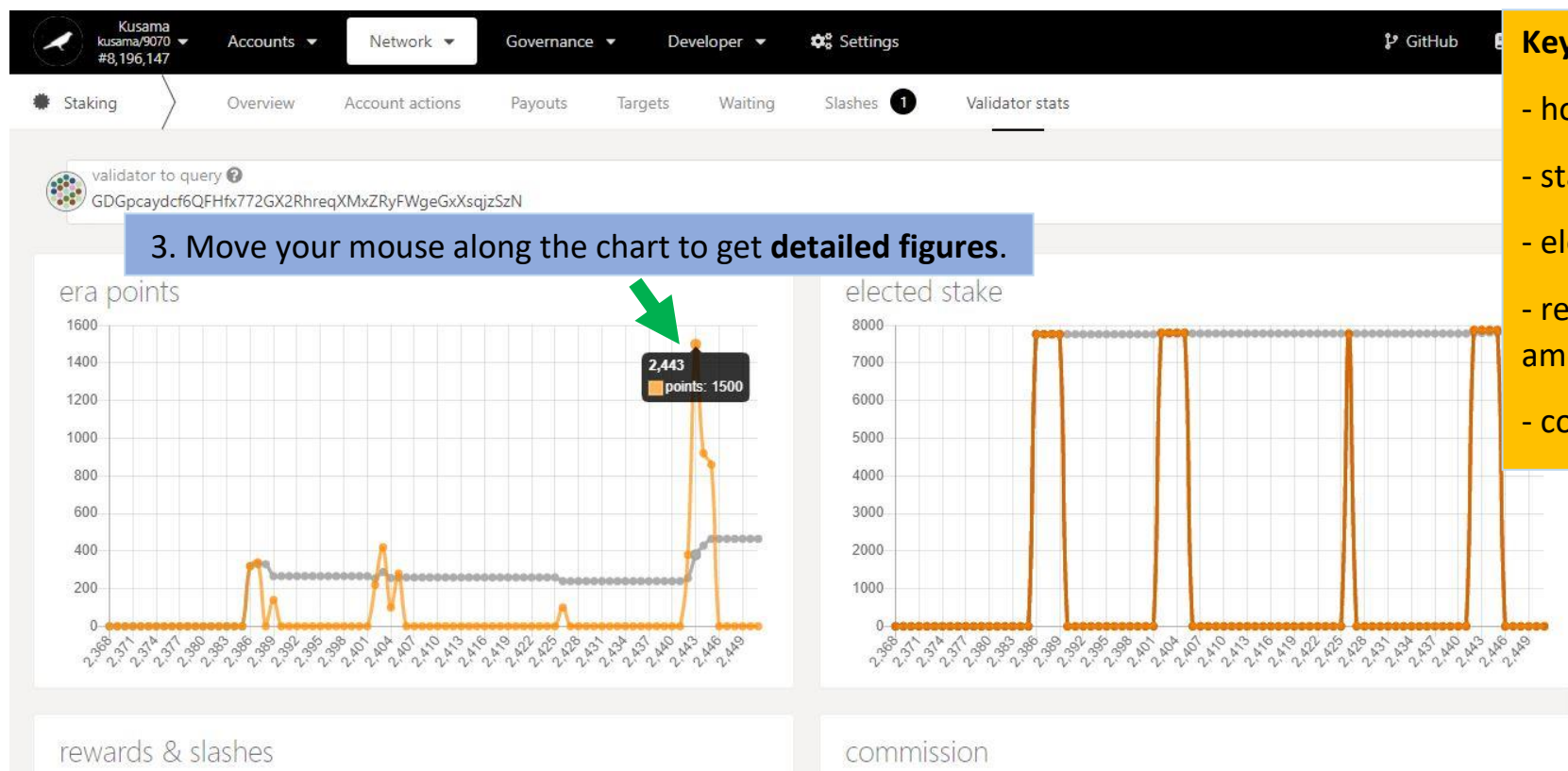
g) Check the statistics of individual validators.

1. Click **Validator stats**.



validator to query ?
GDGpcaydcf6QFHfx772GX2RhreqXMxZRyFWgeGxXsqjzSzN

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



Key validator history:

- hourly points
- staking amounts
- election status
- rewards & slashes amounts
- commission %.