

PART V: Substrate setups

1. Substrate accounts: Set Substrate networks for your Polkadot-JS accounts.

The screenshot shows the Polkadot/Substrate Portal interface. The main window displays a list of accounts under the 'Accounts' tab. The accounts listed are:

Account Name	Address	Network	Type	Tags
CRING	5CaG...	Darwinia Crab	Injected	no tags
ALTD@KSM	Feg...	Kusama	Injected	no tags
Anaelle LTD@KSM	HjcErRijmpoiBiKEHT3edPXM3NFyclogVwDPuByNe7hv9Ae	Kusama	Injected	no tags
ALTD@DOT	1...	Polkadot	Injected	no tags

Two callouts are present:

1. Click on the **Polkadot-JS extension icon** to reveal the Accounts window. (Indicated by a green arrow pointing to the extension icon in the browser's toolbar.)
2. Click on the **3 vertical dots** to reveal the Account settings window. (Indicated by a green arrow pointing to the three vertical dots next to the 'Anaelle LTD@KSM' account in the Accounts window.)

GUIDE TO POLKADOT-JS – PART V: Substrate setups

Version 1.2

The screenshot shows the Polkadot/Substrate Portal interface. The main navigation bar includes 'Accounts', 'Network', 'Governance', and 'Developer'. The 'Accounts' section is active, displaying a list of accounts. A modal window titled 'Accounts' is open, showing a list of accounts with a context menu open over the 'ALTD@DOT' account. The context menu options are: 'Rename', 'Derive New Account', 'Export Account', 'Forget Account', and 'Kusama Relay Chain'. A green arrow points to the dropdown arrow next to 'Kusama Relay Chain'.

filter by name or tags

accounts	type	tags
ALTD@KSM (EXTENSION)	injected	no tags
ANAELLE LTD@KSM	injected	no tags

Accounts

CRING
5CaG

ALTD@KSM
Feg

Anaelle LTD@KSM
HjcErRijmpoiBiKEHT3edPXM3

ALTD@DOT
1

Darwinia Crab

Kusama

Rename

Derive New Account

Export Account

Forget Account

Kusama Relay Chain

3. Click on the **dropdown arrow** to show the list of Substrate networks.

GUIDE TO POLKADOT-JS – PART V: Substrate setups

Version 1.2

The screenshot shows the Polkadot/Substrate Portal interface. The top navigation bar includes links for Accounts, Network, Governance, and Developer. The main content area displays a list of accounts under the 'accounts' tab. A blue callout box with a green arrow points to the 'Accounts' dropdown menu, which is open and showing a list of Substrate networks. The callout text reads: '4. Select one Substrate network from the list or choose **Allow use on any chain** to access all Substrate networks.'

Accounts

Kusama kusama/9070 #8,135,986

Accounts My accounts Vanity generator

filter by name or tags

accounts	type	tags
★ ALT@KSM (EXTENSION)	injected	no tags
★ ANAELLE LTD@KSM	injected	no tags

Accounts

- Allow use on any chain
- Polkadot Relay Chain
- Kusama Relay Chain
- Acala Mandala TC5
- Acala Mandala TC6
- Bifrost Asgard CC4
- Bit.Country Tewai Chain
- ChainX
- Crust Maxwell**
- Darwinia
- Darwinia Crab
- Dock Mainnet
- Edgeware
- Equilibrium Network
- EquilibriumTestnet
- Galois
- HydraDX
- Jupiter A1
- Karura
- Kulupu
- Kusama Relay Chain

CRING 5CaG

Anaelle LTD@KSM HjcErRijmpoiBiKEHT3edPXM3

ALT@DOT 1

GUIDE TO POLKADOT-JS – PART V: Substrate setups

Version 1.2

The screenshot displays the Polkadot.js Accounts interface. On the left, the 'Accounts' tab is active, showing a list of accounts under the heading 'accounts'. The list includes 'ALTD@KSM (EXTENSION)' and 'ANAELLE LTD@KSM', both marked as 'injected' and having 'no tags'. On the right, the 'Accounts' panel is open, showing a list of accounts with their respective icons and names. The account 'Anaelle LTD@KSM' is highlighted with a green circle, and the 'Crust Maxwell' button next to it is also circled in green. A blue banner at the bottom of the panel reads: '5. Your account is now set up to access your chosen Substrate network.'

Kusama
kusama/9070
#8,137,530

Accounts Network Governance Developer

Accounts My accounts Vanity generator

filter by name or tags

accounts	type	tags
ALTD@KSM (EXTENSION)	injected	no tags
ANAELLE LTD@KSM	injected	no tags

Accounts

CRING
5CaG


Anaelle LTD@KSM
5HDzaY5r7QosxXtsTadzkg2XCT62AwVdE86U1Ev1tquDAud6

Crust Maxwell

5. Your account is now set up to access your chosen Substrate network.

ALTD@DOT

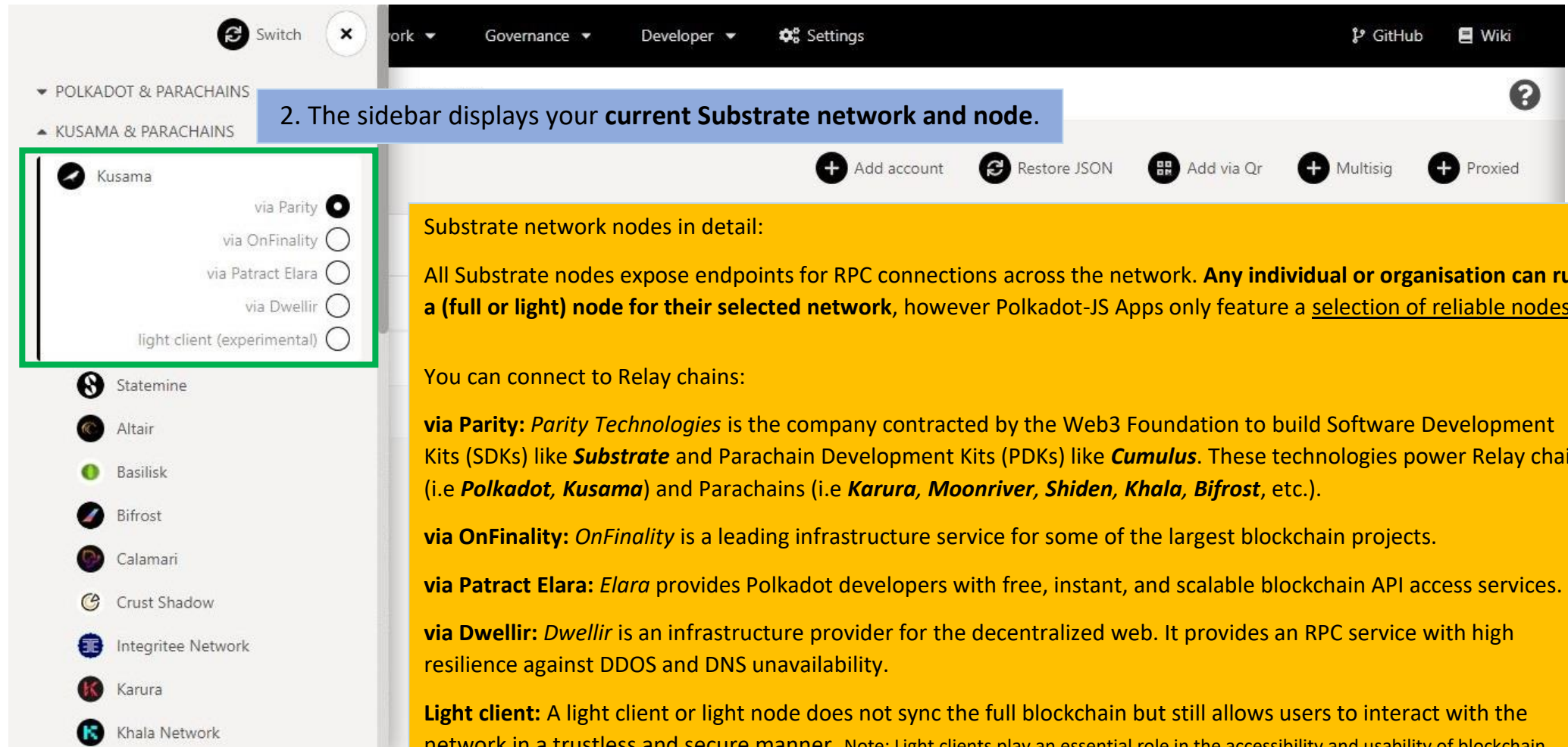
2. Substrate chains: Switch between Relay chain/Parachain/Testnets' interfaces.



The screenshot shows the Polkadot-JS interface. At the top, the header bar includes the Kusama profile (kusama/9070, #8,137,536) and navigation links: Accounts, Network, Governance, Developer, and Settings. Below the header, the Accounts sidebar is visible, showing a list of accounts. A green arrow points to the dropdown arrow next to the Kusama profile. A blue box contains the instruction: "1. Click on the dropdown arrow to show the Substrate networks sidebar."

filter by name or tags

accounts		type	tags	balances
★	ALTD@KSM (EXTENSION)	injected	no tags	10.3509 KSM ▼ send ⋮
★	✓ ANAELLE LTD@KSM	injected	no tags	1.0376 KSM ▼ send ⋮
				11.3886 KSM



Substrate network nodes in detail:

All Substrate nodes expose endpoints for RPC connections across the network. **Any individual or organisation can run a (full or light) node for their selected network**, however Polkadot-JS Apps only feature a selection of reliable nodes.

You can connect to Relay chains:

via Parity: *Parity Technologies* is the company contracted by the Web3 Foundation to build Software Development Kits (SDKs) like **Substrate** and Parachain Development Kits (PDKs) like **Cumulus**. These technologies power Relay chains (i.e **Polkadot**, **Kusama**) and Parachains (i.e **Karura**, **Moonriver**, **Shiden**, **Khala**, **Bifrost**, etc.).

via OnFinality: *OnFinality* is a leading infrastructure service for some of the largest blockchain projects.

via Patract Elara: *Elara* provides Polkadot developers with free, instant, and scalable blockchain API access services.

via Dwellir: *Dwellir* is an infrastructure provider for the decentralized web. It provides an RPC service with high resilience against DDOS and DNS unavailability.

Light client: A light client or light node does not sync the full blockchain but still allows users to interact with the network in a trustless and secure manner. Note: Light clients play an essential role in the accessibility and usability of blockchain networks, as they can run on most mobile devices and still provide an optimal user experience.

You can connect to other Substrate chains via their respective network-specific nodes.

Switch [X]

Work Governance Developer Settings GitHub Wiki

Substrate networks in detail:

Polkadot & Parachains: The Polkadot mainnet and all its live Parachains.

Kusama & Parachains: The Canary network and all its live Parachains.

Note: Substrate networks must obtain a Parachain slot (via auction bids or Council motions) to become live on Polkadot or Kusama.

Test Westend & Parachains: The testnet used for testing Relay chain-related technologies. It requires WND tokens for all its operations.

Test Rococo & Parachains: The testnet used for testing Parachain-related technologies. It requires ROC tokens for all its operations.

Note: Substrate networks must register a ParaID to participate in Parachain Slot auctions on Polkadot or Kusama.

Live Networks: Standalone Substrate chains that have deployed their mainnet.

Test Networks: Standalone Substrate chains that are preparing for mainnet deployment.

Development: Standalone Substrate playgrounds.

GUIDE TO POLKADOT-JS – PART V: Substrate setups

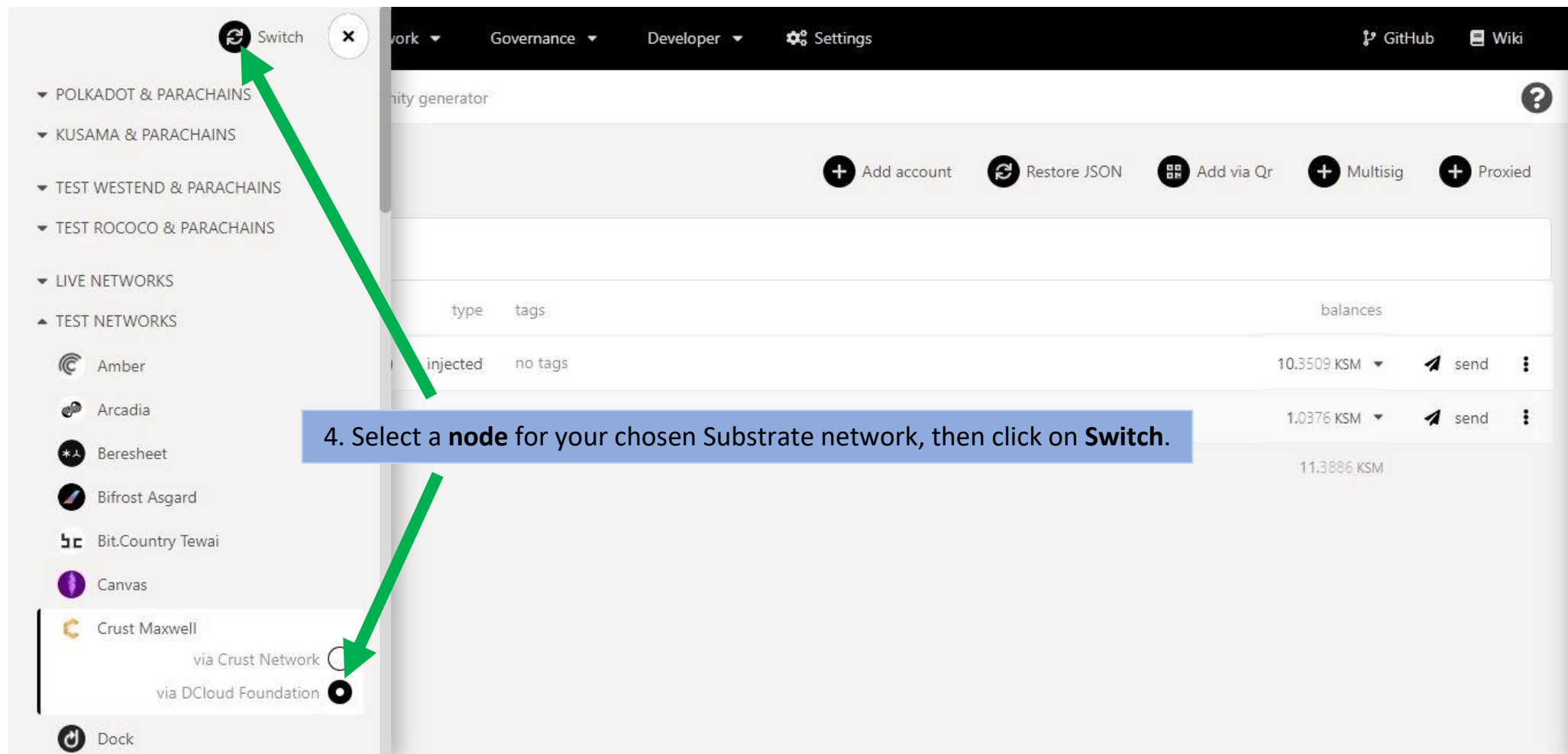
Version 1.2

The screenshot shows the Polkadot.js interface. On the left, a sidebar dropdown menu is open, displaying a list of networks under the 'KUSAMA & PARACHAINS' section. The 'Kusama' network is selected, and its connection options are shown: 'via Parity' (selected), 'via OnFinality', 'via Patract Elara', 'via Dwellir', and 'light client (experimental)'. Below this, a list of other networks is visible: Statemine, Altair, Basilisk, Bifrost, Calamari, Crust Shadow, Integritee Network, Karura, and Khala Network. A green arrow points to the 'Kusama' option in the dropdown. The main interface shows a top navigation bar with 'Work', 'Governance', 'Developer', and 'Settings' menus, along with 'GitHub' and 'Wiki' links. Below the navigation bar, there is a 'Parity generator' section with buttons for 'Add account', 'Restore JSON', 'Add via Qr', 'Multisig', and 'Proxied'. A table below these buttons displays account information, including 'type', 'tags', and 'balances'. The table has two rows of 'injected' accounts, each with 'no tags' and a balance of '10.3509 KSM' and '1.0376 KSM' respectively. A third row shows a total balance of '11.3886 KSM'.

3. Navigate the sidebar dropdown menus to **find your chosen Substrate network.**

GUIDE TO POLKADOT-JS – PART V: Substrate setups

Version 1.2



Switch

work Governance Developer Settings

GitHub Wiki

community generator

+ Add account Restore JSON Add via Qr Multisig Proxied

type	tags	balances
injected	no tags	10.3509 KSM send
		1.0376 KSM send
		11.3886 KSM

4. Select a **node** for your chosen Substrate network, then click on **Switch**.

Amber

Arcadia

Beresheet

Bifrost Asgard

Bit.Country Tewai

Canvas

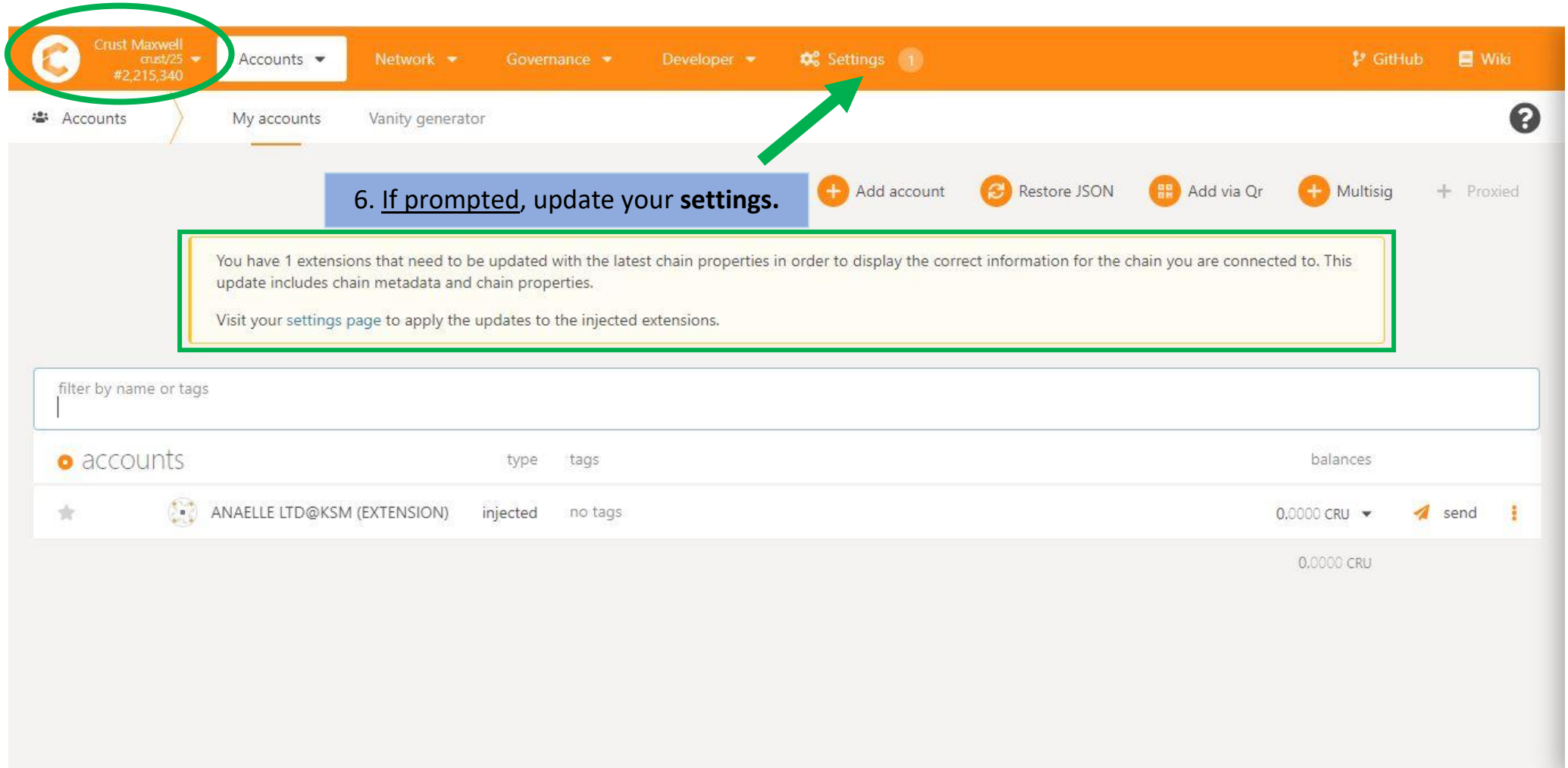
Crust Maxwell

via Crust Network

via DCloud Foundation

Dock

5. You have successfully switched Substrate network interfaces!



The screenshot shows the Polkadot-JS interface. At the top, there is an orange header bar. On the left of this bar, the 'Crust Maxwell' logo and account information are visible. To the right of the logo are several dropdown menus: 'Accounts', 'Network', 'Governance', and 'Developer'. Further right is a 'Settings' button with a gear icon and a small orange circle containing the number '1'. A green arrow points from the 'Settings' button down to a blue box containing the text '6. If prompted, update your settings.' Below this box is a yellow notification box with a green border. The notification text reads: 'You have 1 extensions that need to be updated with the latest chain properties in order to display the correct information for the chain you are connected to. This update includes chain metadata and chain properties. Visit your [settings page](#) to apply the updates to the injected extensions.' Below the notification box is a search bar with the placeholder text 'filter by name or tags'. Below the search bar is a table with the following columns: 'accounts', 'type', 'tags', and 'balances'. The table contains one row with the following data: a star icon, a profile icon, 'ANAELLE LTD@KSM (EXTENSION)', 'injected', 'no tags', '0.0000 CRU', and a 'send' button. Below the table, the text '0.0000 CRU' is displayed.

Crust Maxwell
crust/25
#2,215,340

Accounts Network Governance Developer Settings 1

Accounts My accounts Vanity generator

6. If prompted, update your settings.

You have 1 extensions that need to be updated with the latest chain properties in order to display the correct information for the chain you are connected to. This update includes chain metadata and chain properties.
Visit your [settings page](#) to apply the updates to the injected extensions.

filter by name or tags

accounts	type	tags	balances
★ ANAELLE LTD@KSM (EXTENSION)	injected	no tags	0.0000 CRU send

0.0000 CRU