

Treasury proposal for Gov2 Changes

Proponent	FlwAMxpzvjWCpsnbUMamgKfqFM7LRvNdkcQ44STkeVbemEZ
Date	18th January, 2023
Requested allocation	92,210 USD – 3238.8479 KSM Calculated based on 30 day EMA

Governance V2 went live for Kusama on 22nd Nov (22/11/22). Polkasassembly successfully launched the governance v2 [dashboard](#) on the same date allowing the community to start participating in the new truly decentralized governance.

As of 18th January, **72** referendums have been created across various tracks. We recently [witnessed](#) the power of OpenGov when two governance bodies voted in a simultaneous and coordinated way to approve an on-chain proposal and help improve the overall network.

We are excited to see how OpenGov improves on-chain governance for the Polkadot & Kusama ecosystem while inspiring other blockchains to learn and adapt to such governance models.

What's changing at Polkasassembly to enable OpenGov

OpenGov brings in a tonne of changes to the governance structure. It is extremely durable and ensures that a huge plethora of attempts at gaming the system are handled smoothly.

While these changes may be complicated to understand at once, Polkasassembly intends to introduce them in a systematic manner.

This means, each day community members can choose to interact with various tracks and understand their details. They can take a call if they hold the requisite expertise in the domain or if they would like to delegate their voting power.

Live dynamic voting curves, with predefined thresholds ensure that the referendums can effectively achieve the goal of a democratic system with a minimized chance of fraud.

The following milestones & respective costs include all the necessary product, research, development, design and management work to reach the defined goals.

Milestone 1(Live)

Objective

To create a unified experience for the entire Gov 2.0 model on Polkasassembly.

Core Goal of Milestone 1 is to display accurate information & allow users to experience the entire journey from discussion to completion of referendum on Polkasassembly.

Time Taken

6 Weeks

Research

Since documentation was not available for the code base or product implementation of OpenGov, a significant time went into researching the workings of Governance V2 and understanding how the new governance mechanism will impact various things from a product and technology standpoint.

Notes from research can be found [here](#).

This research was followed by product brainstorming and detailing the PRD for implementation of OpenGov. Initial PRD can be found [here](#) for anyone interested.

Compiled Gov2 track details can be found [here](#).

Implementation

1. Sourcing all Gov 2.0 referenda from on chain data
 - Providing complete details of the referenda origin by implementation of the governance pallet
 - Giving users an option to choose between Gov 1.0 & Gov 2.0
2. Referendum to be displayed as per their respective origins/tracks & details in Polkasassembly
 - Creating an experience which will allow users to understand categorisation & details for each track of Gov 2.0 within Polkasassembly
 - Enabling the forum to discuss & debate on each referenda along with the implementation of Polkasassembly's new UI
 - Creating a timeline view for people to understand the journey of each referendum & community discussion. .

3. Voting as per new Gov 2.0 model natively from Polkasassembly
 - Allowing users to experience the entire governance journey natively
 - Viewing latest votes with their conviction details before taking a decision
 - Making decision criteria of voting and delegation at an origin level with a conviction of the delegator's choice
4. Delegation of votes for opengov
 - Allowing users to view, delegate and undelegate their vote for opengov

Task Level Details

Polkassambly Specific Migration - Gov2.0

1. Migration of existing features to Gov 2.0
 - As a community member
 - User can see the tracks and referendums contained within them
 - User can create discussions prior to creation of various on chain referendum
 - User can link these discussions with their on chain referendum
 - User can view the progress of a referendum from the discussion to approval stage
 - User can view comments as per the stage of the referendum
 - At each referendum level
 1. User can view the metadata, on chain information, timeline from discussion to referendum
 2. User can view vote details with conviction
 - As a proposer
 - User can create a discussion post with polls
 - Users can provide labels for discussions to allow users to navigate through them easily (*in development*)
 - User can provide and edit the context for on chain proposal
2. Fetching of referendum based on origin / track
 - UI & Front end change for Governance 1.0 & 2.0 based on the change in categorisation of tips, bounties, child bounties, etc. to Referendum
 - Building an interface which allows differentiating between various origins & tracks they lead to
 - Includes display of track level spending power, enactment period, and deposit information
 - Allowing for simple navigation as per stage of referendum within each track
 - Categorization of referendum on status level to allow for easy navigation

3. Referendum Level Changes
 - Migrating for UI flow of referendum creation to new Governance standards and deposits on Polkasassembly
 - Modification of on chain info displayed, as per Governance 2.0
4. Understanding Referendum Level Data Better (*in development*)
 - Users will be able to understand the period for which the proposal has been in discussion and the required confirmation period
 - The thresholds for support and approval are dynamic. They also change at an origin level
 - Users will be able to leverage the visualization of this information at both an origin level and a referendum level
 - Origin level curves will be Static and will reflect the thresholds
 - Referendum level curves will be Dynamic. They will reflect the difference between the current status of the proposal and the thresholds
 - Support for abstaining and splitting votes
5. Delegation
 - For the initial level implementation, users will be able to delegate at a track level natively from Polkasassembly
 - Users can view and remove these delegations after successful delegation
 - We will build on this in Milestone 2 where we create an integrate profile and delegation dashboard view
6. A basic first version for fellowship level information
 - List of fellowship members with their ranks
 - Implementation of fellowship admin & caller origin tracks

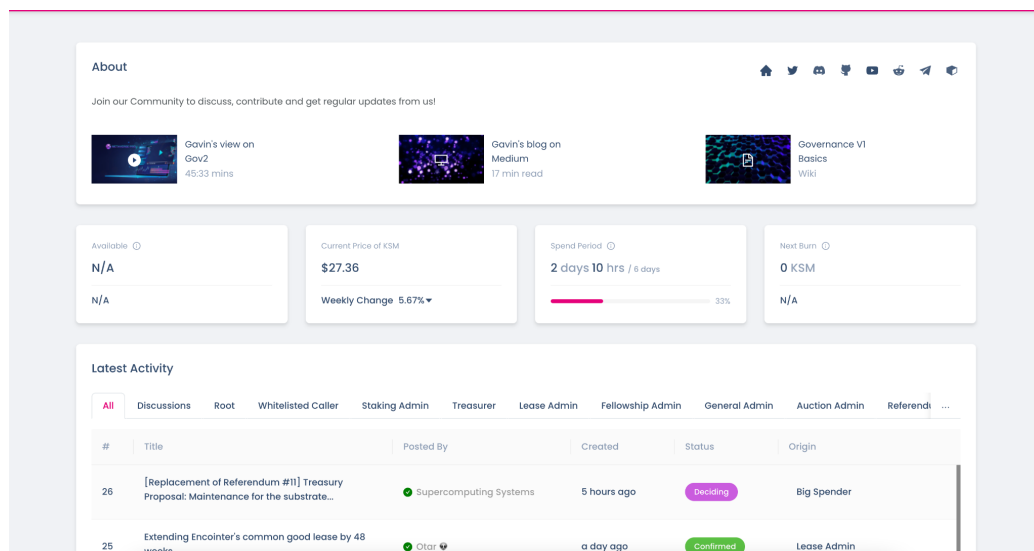
Technical Migration - Gov2.0

7. Providing Governance version support during booting of app in Kusama net + fetch config
8. Implementation of various origin level details as per Gov 2.0
 - Building user experience for Bond value referendum detail calculation as per origin
 - This includes integration of dynamic passing thresholds as per stage of referenda, implementation of cancellation period & other minor details
 - New interface for calculations of referendum passing thresholds & stages as per origin
9. Architectural level changes to handle the migration of the platform as well as data for Gov 2.0
10. Implementation of a fallback watcher server for seamless syncing.

11. Polkasassembly Proposals Squid implementation (Subsquid).
12. Utilization of polkasassembly squid for voters listing, aggregation on Open Gov referendas.
13. Subquid provides the functionality to unwrap nested calls which was as of now unavailable with polkasassembly harvester. So this has been a major improvement in terms of capturing important calls. Same has been implemented in polkasassembly proposals squid.
14. Refactor the current watcher to adhere to Open gov changes for different states.
15. Refactoring of an open server to expose read only apis for open gov polkasassembly backend.
16. Implementation of a state specific view for easy filtering of referendas for each track.
17. Display of pre-images of gov2 proposals

Current Implementation (Gallery)

1. [Overview Section](#) – details around what is gov2, and a quick navigation to latest referendums across various origins



2. [Pre-images](#) – to share details about pre-images of on chain actions

Preimages				
Hash	Author	Deposit	Arguments	Size
0xe5928d072ee9ba8c98ca05e74ab252026789082824956a3af5251410f03472d	Oskar	0.13 KSM	<code>tips.tipNew</code>	46
0xb54d0e0752b04f5b3ef54b3c4cc4c086eb5873b38eafe58d3d754cb08bf89	BILL	0.13 KSM	<code>system.remark</code>	16
0x762e02b000312f5ebc6ccf653020f081d9412901f5d3404fbc1bf02a76d9a06	F5kn.qv68	0.13 KSM	<code>utility.batch</code>	23
0xaf3b96f7d227cad395a8ac85db126bc96103e1181a1c7997555e2f7607817a8	Joe	0.13 KSM	<code>xcnPallet.send</code>	51
0xb741d6983709c3708ef2f5d9159592632773c9e0ef9dcf37bba952b660601	Joe	0.13 KSM	<code>treasury.approveProposal</code>	4
0xf0ae1763e293098f7858ddf648255fb05efb10b973f4988b6b213b2981b11	RTTI-5220	0.13 KSM	<code>treasury.approveProposal</code>	4
0x25023305e626744936706039a8b800933dbf08ea4dea9a44c28003103239c536	dzmityr_la	0.13 KSM	<code>utility.batchAll</code>	204
0x57316444067b17a16eea0458ea26543ebe4ed42e0727b3919759146a223cc00	Valletach	0.13 KSM	<code>treasury.approveProposal</code>	4
0x83c439bb8b621a3507c0c8a3ebd0c4b3d76962f853ef1f1858e665ae0faeac14	RTTI-5220	0.13 KSM	<code>utility.forceBatch</code>	134
0x5cbcl48be5afadd44e156cef10af078feab2a4561fa338c38a83b6bd73bb92c	snowbridge	0.13 KSM	<code>treasury.spend</code>	43

3. [Track Level Details](#) – to share details around the track level information, delegation at track level, and navigating to the respective referenda

About Lease Admin

Origin able to force slot leases.

Max Deciding:	10	Prepare Period:	24 sec	Min Enactment Period:	2 days
Decision Deposit:	16.66 (KSM)	Confirm Period:	3 hrs	Decision Period:	28 days

[+ DELEGATE](#)

Referenda

[All](#)
[Confirmed](#)
[Cancelled](#)
[Deciding](#)
[Killed](#)
[Submitted](#)
[Rejected](#)
[Timed Out](#)

#25 Extending Encounter's common good lease by 48 weeks

By: Oskar from [Democracy](#)

1 day ago

Confirmed

4. [Referendum Level Details](#) – to share details around the track level information, delegation at track level, and navigating to the respective referenda

[Back to Lease Admin](#)

About Lease Admin

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[+ DELEGATE](#)

Voting Status

100.0%

0.0%

Ayes	1,202,871.33 KSM
Nays	0.00 KSM
Support	1,557,655.34 KSM

#25 Extending Encointer's common good lease by 48 weeks

By [otaz](#) in [Democracy](#) | [a day ago](#) (edited)

[Description](#) [Timeline](#) [On Chain Info](#)

The proposal aims to resubmit [Referendum 243](#) (already approved), this time using OpenGov in order to extend the lease of Encointer's Common Good Chain by eight lease periods. The last proposal failed to enact due to some changes in logic and scheduler that restricted the call. Hence this proposal aims to put forward the extension request once again.

Contextual information by Encointer can be found below:

Encointer's common good lease run out on Dec 12th 2022.

Based on the following progress reports, we ask the community to appreciate our work done so far and grant us another 48 weeks.

- Our [recent treasury proposal](#) includes a detailed report on what we have achieved until June 2022 and what our

Voters

Voter	Amount	Conviction	Vote
Vegas_life... 1	80.00 KSM	0x	
Vegas_life... 2	55.00 KSM	1x	
Vegas_life...	1.00 KSM	0x	
CAP	5.00 KSM	6x	
DotZ_APT	12,000.00 KSM	0x	
HELIKON	10.00 KSM	0x	

- [Fellowship Details](#) – to share a basic idea about fellowship members and the origins contained within the fellowship

Fellowship

Fellowship is a mostly self-governing expert body with a primary goal of representing the humans who embody and contain the technical knowledge base of the Polkadot network and protocol.

45 Members

#1

FCunn2R_mj362Ju

#1

Gabe
HYwiBo7...qcQjPAE

#1

davxy
HyPMJWR...RsE5mTc

#1

HA5Ntlt...7genPv

#1

OibnnEg...9haT2uU

Payment Details – Milestone 1

Theme	Man-hours Estimate (hours)					
	BE 1.5 FTE	Design 1 FTE	FE 1.5 FTE	QA 1 FTE	Team Lead 1 FTE	Total Team
Technical Migration [4 weeks]	235	0	250	95	160	740
Polkasembly Specific Migration [2 weeks]	128	90	124	70	90	502
Total Time						1242
Cost/Hour	\$80	\$65	\$80	\$60	\$70	
Functional Cost	\$29,040	\$5,850	\$29,920	\$9,900	\$17,500	\$92,210

Detailed cost calculation available [here](#).

Milestone 2(In-development; Timeline – 25th March,2023)

Objective

To create a simplified delegation based experience and link it with on chain delegation via Polkasembly, along with on chain + off chain profiling of user information

Core Goal of Milestone 2 is to allow users to delegate via Polkasembly in a completely informed manner with historical on+off chain details about whom they can delegate to.

What all will be covered

Links for reference ->

1. Design – Delegation Dashboard, Profile ([Link 1](#), [Link 2](#))
2. Product Requirements ([Link](#))

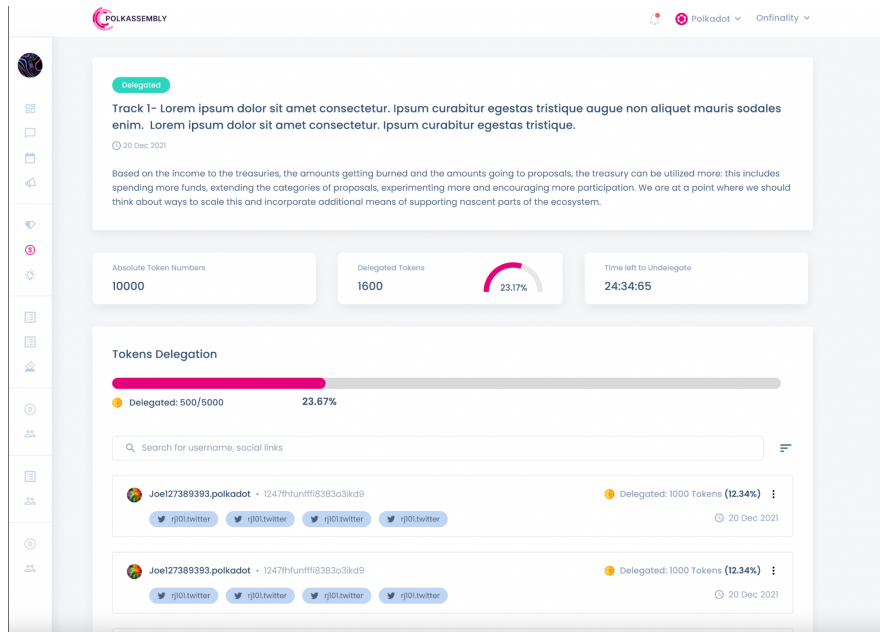
Basic overview

User Profile	- To provide information about the user's credentials and qualifications, which can help other users to gauge their credibility and expertise. - Facilitate communication and collaboration between users on Polkasassembly
Delegation Page	- Details about the track level information, tokens available for delegation and convictions will be provided to the user - Wallet level breakdown will be available for users if need be - In case of undelegated tokens, the delegation list will be displayed to the user
Delegation List	- The delegate list will be where the user can choose whom to delegate the tokens to. - All relevant information about potential candidates and past delegates will be provided to users at a track level

Current Status

1. Users have a basic touchpoint to view, delegate, and undelegate their tokens in Polkasassembly
2. The first cut designs for User Profile & Delegation Dashboard are ready and the development of the same is underway
3. We are looking to go live with the comprehensive delegation dashboard in this quarter.

Sample Implementation Gallery



Note – This is a VI design and is being worked on

Milestone 3(Dependency on upgrades from Kusama)

Objective

To create a simplified experience for the entire Substrate Fellowship on Polkasassembly

Core Goal of Milestone 3 is to build transparency around the Substrate fellowship. This would also cover details around whitelisting of referendum and making a simple interface for members of the fellowship

What all will be covered

- An easy to understand explainer about how the fellowship system works in OpenGov along with how to be a part of the fellowship
- An accessible touchpoint for details and latest updates about rankings, promotions, suspensions and changes to the Fellowship structure
- History of Referendums for gaining access to top tiers of fellowship will be present

Current Status

- We at Polkasassembly are in ideation phase and will be upgrading as soon as the path to execution is clear

Please note, from Q2-2023, the maintenance costs for governance V2 will be adjusted for in our quarterly maintenance proposal for the Polkasassembly platform.