

Dear Polkadot and Kusama Community,

As we continue to expand and enhance the IBP network, we are pleased to share the recent developments and achievements of the Kusama Bounty Program. This program aims to fund independent infrastructure service providers, contributing to the robustness and decentralization of our network. For detailed monthly contributions and ongoing activities, please visit our repository at [GitHub - ChildBounties](#).

## Origin and Funding

The Infrastructure Builders Program (IBP) originated as Bounty 19 on Kusama, approved by Referendum 35 in December 2022. It was initially funded with 52,000 KSM (equivalent to \$1.3M at the time), intended to cover operations for one year. Due to good administrative practices, favorable market conditions, and a staggered onboarding of members, as of June 2024, the bounty still retains approximately 10,535 KSM, extending beyond the initial duration planned in Bounty 19.

Members																			
Identity	Sum KSM	01/2023	02/2023	03/2023	04/2023	05/2023	06/2023	07/2023	08/2023	09/2023	10/2023	11/2023	12/2023	01/2024	02/2024	03/2024	04/2024	05/2024	
Stake Plus	6401	1158.93	761.86	456.94	512.65	458.41	341.40	293.29	391.24	403.13	430.69	304.51	256.97		197.28	167.19	266.38		
Metaspn	5952	784.82	812.04	496.62	521.85	654.55	518.12	278.43	317.15	326.78	315.05	204.39	208.30		141.73	145.11	227.43		
Helikon	4076	672.92	471.60	227.51	371.61	239.47	202.99	223.82	280.48	289.00	278.62	180.75	184.22		124.73	128.00	200.57		
Gatotech	5245	553.35	513.92	240.34	361.73	424.86	337.87	330.83	456.31	388.41	429.63	234.80	285.80		262.15	160.25	264.67		
Amforc	4139	573.02	423.11	194.23	196.40	214.85	18772	202.86	359.51	370.43	35712	258.88	250.02		145.71	158.27	246.92		
Coinstudio	1029		53.26	65.06	66.25	85.13	73.98	81.33	105.79	109.01	105.09	68.18	69.48		41.51	40.59	63.85		
Turboflakes	3810		830.24	233.88	213.03	429.24	275.97	240.10	264.29	288.67	262.54	170.32	173.59		118.11	120.93	189.53		
Dwellir	3937				508.17	806.70	198.13	283.88	361.41	372.39	359.01	232.91	237.37		157.84	163.34	255.78		
RadiumBlock	2337									817.55	6743	769.24	125.93		156.52	155.83	244.78		
Rotko	1851										824.95	30.03	125.93		495.25	127.65	247.46		
Polkadotters	1372											564.04	52.74		350.37	147.32	257.30		
LuckyFriday	971												52113		161.36	101.60	187.02		
Pablo (Contractor)	174									76.30	84.07		13.90						
ChildBounty Sum	41295.08	3743.03	3866.02	1914.58	2751.68	3313.22	2136.18	1934.55	2536.18	3441.66	3514.19	3018.05	2505.38	0.00	2352.58	1616.07	2651.69	0.00	
Hobbyist																			
Identity	Sum KSM	01/2023	02/2023	03/2023	04/2023	05/2023	06/2023	07/2023	08/2023	09/2023	10/2023	11/2023	12/2023	01/2024	02/2024	03/2024	04/2024	05/2024	
aperturemining	39							6.52	4.34	5.29	5.10	4.06	3.37		2.19	2.14	3.29	3.17	
dozenodes	39							6.52	4.34	5.29	5.10	4.06	3.37		2.19	2.14	3.29	3.17	
stkd	39							6.52	4.34	5.29	5.10	4.06	3.37		2.19	2.14	3.29	3.17	
mathcrypto	39							6.52	4.34	5.29	5.10	4.06	3.37		2.19	2.14	3.29	3.17	
paradox	39							6.52	4.34	5.29	5.10	4.06	3.37		2.19	2.14	3.29	3.17	
ChildBounty Sum	197	0.00	0.00	0.00	0.00	0.00	0.00	32.59	21.72	26.46	25.50	20.31	16.87	0.00	10.96	10.69	16.43	15.84	
Bounty Status	52000	48257	44391	42476	39725	36411	34275	32308	29750	26309	22770	19731	17209	17209	14845	13219	10551	10535	
Payouts KSM	41465	3743	3866	1915	2752	3313	2136	1967	2558	3441	3540	3038	2522	0	2364	1627	2668	16	
Remaining KSM	10535																		
	Average																		
KSM/USD	30.35	35.435	38.68	32	31.173	25.602	24.825	23.015	19.472	18.898	19.602	24.62	29.647	38.568	45.612	46.773	30.423	31.560	
ChildBounty USD	71277	132634	149538	61267	85778	84825	53031	45274	49807	65028	69385	74804	74777	0	107806	76089	81172	500	
Total payouts USD	1211715																		

The future member service payments will be issued and tracked through [Bounty 50](#) on Polkadot.

## Expansion and Achievements

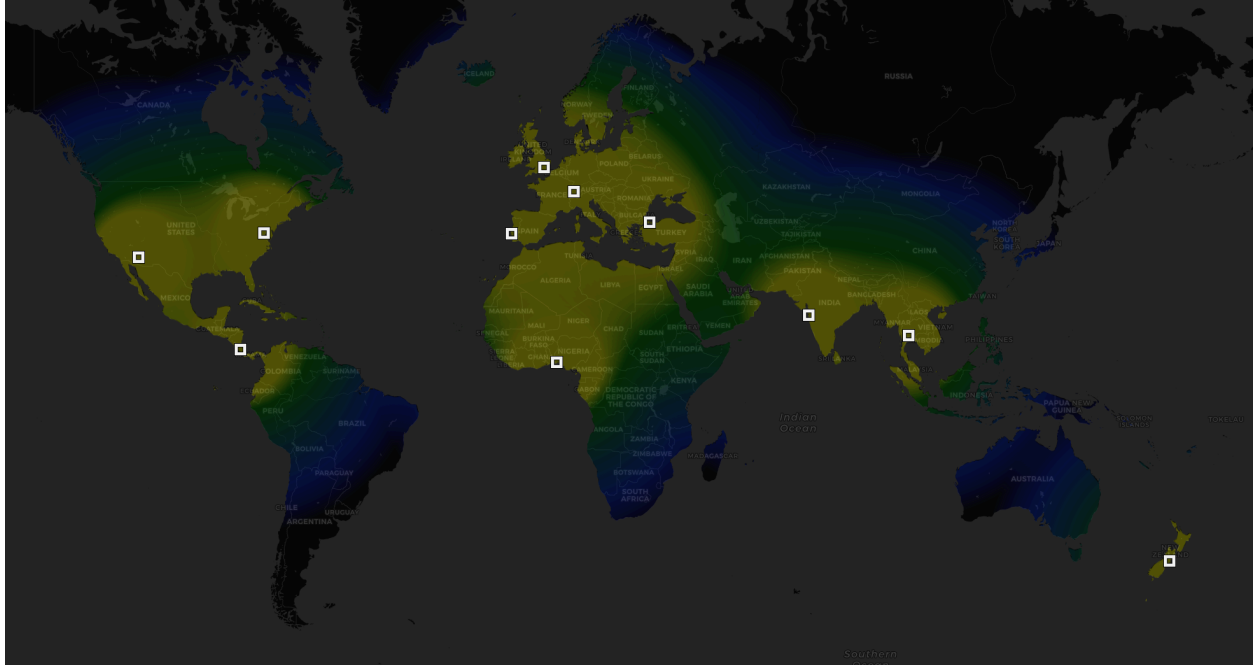
IBP has successfully established 12 global locations, surpassing our initial target of 10, all while maintaining budgetary constraints. Here's a breakdown of the current status across various regions:

Member	Level	Region	Country	Status
Dwellir	5	Africa	Nigeria	Active
Gatotech	5	Central America	Costa Rica	Active
Helikon	5	Middle East	Turkey	Active
Lucky Friday	5	North America	USA (West)	Active
Stake Plus	5	North America	USA (East)	Active
Metaspan	5	Europe	Great Britain	Active
Turboflakes	5	Europe	Portugal	Active
Amforc	5	Europe	Switzerland	Active
Radium Block	5	Asia	India	Active
Rotko Networks	5	Asia	Thailand	Active
Polkadotters	5	Oceania	New Zealand	Active
STKD	0	South America	Chile	In Progress

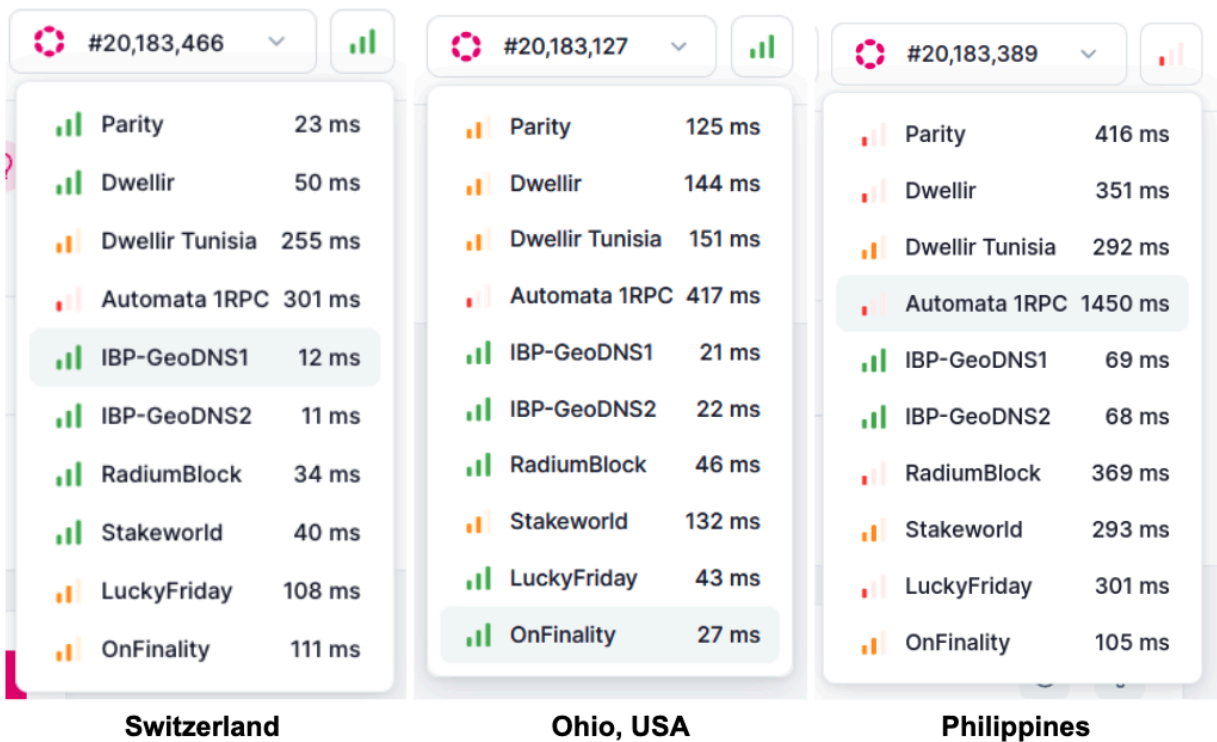
Each member is important in advancing network decentralization, providing vital support to both the Polkadot and Kusama ecosystems.

## Geolocation Diversity

The IBP focus is on its geolocation diversity, ensuring robust and reliable service across the globe. Below is a map image showcasing our current distribution:



This diverse distribution allows us to route requests to the closest active member, significantly reducing latency and improving performance. Using Subsquare measurements, the IBP has demonstrated superior speed and efficiency due to its design based on GeoDNS. Below is an image explaining how latency results for several different locations confirm this:





Monthly Usage

For March 2024, the following metrics reflect the IBP's performance over the last 30 days, serving over 7.5 billion requests across all relaychains and system chains:

Network	Websocket	HTTP
All	7,468,221,408	58,650,019
Polkadot	2,838,689,127	4,527,745
Polkadot - Asset Hub	52,157,657	48,341,301
Polkadot - Bridge Hub	29,145,545	113,046
Polkadot - Collectives	31,577,962	111,865
Kusama	3,353,597,133	4,302,183
Kusama - Asset Hub	47,366,380	134,965
Kusama - Bridge Hub	37,177,292	134,531
Kusama - Encointer	66,789,682	133,638
Westend	902,833,757	158,093
Westend - Asset Hub	4,622,778	112,199
Westend - Bridge Hub	5,819,505	111,958
Westend - Collectives	17,528,312	228,770
Paseo	54,494,854	187,987

Membership Status

Currently, we have reached our operational goal of 12 geo-distributed locations. As a result, we are not accepting new members at this time. However, we have received several pending applications. These applicants are on a waitlist pending further program expansion and the introduction of additional locations. To follow up future IBP developments, please refer to [Bounty 50](#) on Polkadot.

## Ecosystem Integration

The IBP has been successfully implemented by multiple ecosystem applications, including:

- Polkadot.js
- Talisman Wallet
- Nova Wallet
- Subsquare
- Polkasassembly
- Staking Dashboard

## Contributions from Hobbyist Members



































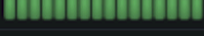
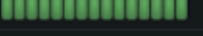
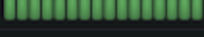
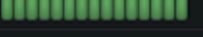
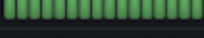





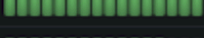

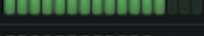
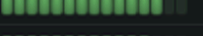
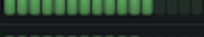
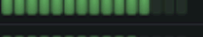
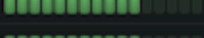
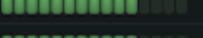


The contributions of our hobbyist members further contribute to the IBP. These members will not be part of the Polkadot Bounty but will continue their valuable work within the Kusama Bounty by running a decentralized service monitor. Looking forward, hobbyist members are expected to support and learn by providing services to parachain teams on the Paseo test network.

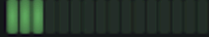
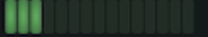
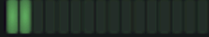
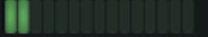
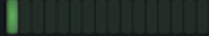

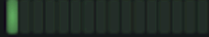
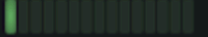
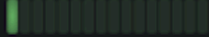
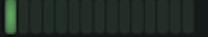
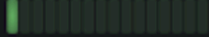
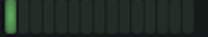

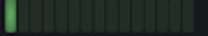
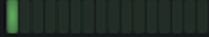
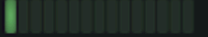
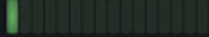
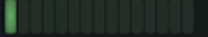
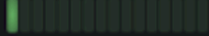
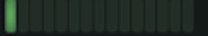
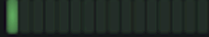
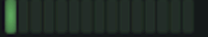
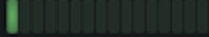
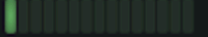
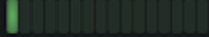
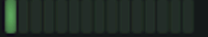
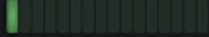
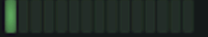
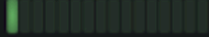
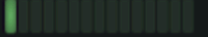
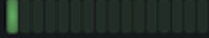
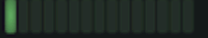
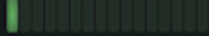
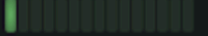
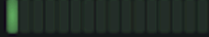
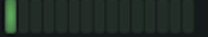
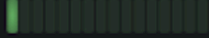
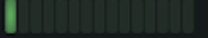

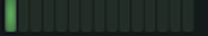
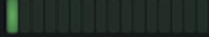
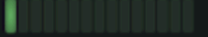
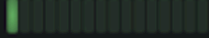
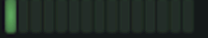
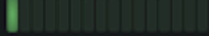
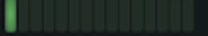
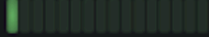
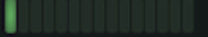
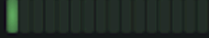
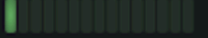
It is important to note that it is not possible for members to participate in both the hobbyist and professional tracks simultaneously. All payments for hobbyist members will remain under the Kusama bounty, ensuring a clear and distinct separation from the professional track.

Our current hobbyist members running decentralized monitoring solutions include:

Member	Role/Service
Aperturemining	Hobbyist Monitor
Dozenodes	Hobbyist Monitor
STKD	Hobbyist Monitor
Mathcrypto	Hobbyist Monitor
Paradox	Hobbyist Monitor

Detailed RPC request by method:

Requests			
method		calls started	Request count ↓
state_call		2,844,873,159	 2,844,883,590
state_getRuntimeVersion		1,846,114,400	 1,846,120,609
system_health		725,391,565	 725,394,792
chain_getHeader		710,811,511	 710,813,729
state_getStorage		651,084,093	 651,072,151
state_queryStorageAt		192,940,366	 192,941,262
chain_getFinalizedHead		120,058,721	 120,058,963
state_subscribeStorage		89,824,206	 89,823,354
chain_getBlockHash		84,958,553	 84,958,080
chain_getBlock		52,663,300	 52,662,860
childstate_getStorage		45,618,239	 45,618,071
childstate_getStorageEntries		43,191,536	 43,191,395
state_unsubscribeStorage		35,641,875	 35,641,768
state_getKeysPaged		33,451,820	 33,451,613
system_chain		24,768,253	 24,767,955
chain_getHead		16,845,128	 16,845,186
system_properties		10,831,175	 10,830,986
state_getReadProof		10,827,811	 10,827,860
state_subscribeRuntimeVersion		9,735,058	 9,734,897
rpc_methods		8,632,827	 8,632,656
state_getMetadata		8,219,380	 8,218,956
system_version		7,648,105	 7,647,914
system_syncState		5,177,886	 5,177,750
system_name		4,060,309	 4,060,184
state_getStorageAt		3,726,882	 3,726,209
system_chainType		3,401,378	 3,401,236
system_localPeerId		3,366,258	 3,366,117

chain_subscribeNewHead		894,146		894,034
chain_unsubscribeNewHead		353,910		353,877
childstate_getKeysPaged		228,514		227,990
chain_getRuntimeVersion		199,476		199,476
chain_subscribeFinalizedHeads		83,655		83,515
system_accountNextIndex		41,371		41,312
author_submitAndWatchExtrinsic		25,616		25,576
chain_subscribeAllHeads		22,242		22,130
author_unwatchExtrinsic		15,877		15,842
chain_unsubscribeFinalizedHeads		12,901		12,870
payment_queryInfo		10,693		10,679
chain_subscribeNewHeads		7,403		7,316
state_unsubscribeRuntimeVersion		7,173		7,173
author_submitExtrinsic		5,367		5,338
chain_subscribeRuntimeVersion		3,585		3,575
state_getKeys		2,093		2,015
eth_chainId		1,955		1,949
chain_unsubscribeNewHeads		1,015		1,005
chain_unsubscribeAllHeads		917		910
payment_queryFeeDetails		410		410
author_pendingExtrinsics		129		127
system_peers		104		102
chain_unsubscribeRuntimeVersion		45		45
sync_state_genSyncSpec		2		2
mmr_root		0		0



## Curator Set Update

Starting in July, the curator set will consist of the following members in our new Bounty Multisig (with a threshold of 3 out of 5):

- CoinStudio
- Otar
- Anaelle
- Erin (replaced Will 04/2024)
- S3krit (replacing bLd 07/2024)

Will ceased his curator duty when he left Parity in March this year and was replaced by Erin. Erin is Parity's Technical Head of Infrastructure. In June, bLd announced his departure due to an extended scope of work and lack of time to fulfill the duty, and he was replaced by s3krit, who was the release manager at Parity for parity-ethereum and Polkadot for several years.

For more information, please visit our resources:

- [IBP Network](#)
- [IBP Wiki](#)
- [Monitor Dotters Network](#)

We look forward to continuing our progress and achieving new milestones in the second half of the year. Thank you for your ongoing support and contributions.

Sincerely,

CoinStudio,  
Part of the IBP Bounty Team