

Report & Proposal: SubQuery Managed Service Solution (Q3, 2022)

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Date: 7 December 2022

Requested KINT: 912.840

Short description: Ongoing costs for Quarter 3 (covering August to September) of 2022, for the running of a high performance and reliable data indexing managed service for Interlay.

Original Motivation

Almost every blockchain has a need to process and query data, however everyone knows that a core weakness of blockchain data is that the processing and query performance is extremely inefficient. SubQuery is an open source platform that solves that.

Additionally, managing infrastructure can also be extremely challenging and many teams don't have the expertise or resource that is needed to deploy indexers to cloud providers and then run them at high availability so that they can be relied on for production use cases. SubQuery provides a hosted service with 99.9% reliability to remove this burden from teams, so they can stay focused on building their dApps.

Service Details

Interlay is currently leveraging SubQuery's enterprise-level managed service to provide reliable hosting for their SubQuery projects. This critical service provides production data to applications built by the Interlay team and the 99.9% uptime reliability ensures a seamless experience for the core team and their ecosystem.

Over the period of 2022-08-01 to 2022-09-30, SubQuery supported 2 project deployments for Interlay which were run in a shared database for a total of 2,928 compute hours. Each project deployment requires an indexing service, a compute service, and database access run in a production environment and monitored constantly to ensure availability.

Costings

This proposal includes combined running costs for our infrastructure for Interlay from 1st August 2022 until 30th September 2022. The total combined running cost is USD \$752.18.

Description	Price (USD)	Billable Units	Cost
Compute Unit Costs	US\$0.21 / Compute Unit / Hr	2,928.00	US\$614.88
Data Egress (GB)	US\$0.25/ GB (First 10 GB Free)	549.20	US\$137.30
		Subtotal	\$752.18
		USD Total	\$752.18
		KINT Conversion Rate	US\$0.824
		Total Due	KINT 912.840

The KINT conversion rate was retrieved from CoinMarketCap using the 30 day time weighted average price ending on 2022-12-05.

About SubQuery

SubQuery is the Universal Web3 data indexing toolkit. A SubQuery project is a complete API to organise and query data from Layer-1 chains. Currently servicing Polkadot, Substrate, Avalanche, Terra, and Cosmos projects, this data-as-a-service allows developers to focus on their core use case and front-end without wasting time building a custom backend for data processing activities. In the future, the SubQuery Network intends to replicate this scalable and reliable solution in a completely decentralised manner.

SubQuery is an open-sourced data indexing solution, we continue to reaffirm our dedication to providing free hosted services support for up to two SubQuery projects. You can learn how to create and build your own SubQuery project using our [detailed documentation](#).

Our mission remains to support all blockchain developers in the world by providing core infrastructure so they can focus on building the next dApp.