

Grant Title:

Ethers.js v5 to v6 Upgrade and SDK Agnosticism for Cow Protocol

Author:

This implementation of the project will be carried out by: [@AbhishekKochar](#)

About You:

I'm a blockchain engineer with over 4 years of experience, specialising in working with multiple DeFi protocols. My expertise primarily lies in developer tools and smart contract development.

Additional Links:

Github: [Abhishekkochar \(Abhishek kochar\) · GitHub](#)

Grant Category:

Developer tools

Grant Description:

In response to this [RFG](#), I aim to upgrade the [@cowprotocol/cow-sdk](#) & cowswap from ether-V5 to ether-V6.

This will also require me to do the following:

- Remove dependency on [@cowprotocol/contracts](#)

package. Import all the necessary function to [@cowprotocol/cow-sdk](#)

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- Refractor Cowswap

dependency from [@cowprotocol/contracts](#)

to [@cowprotocol/cow-sdk](#)

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- Investigating 3rd-party packages dependency on ether.js. Updating packages to appropriate version accordingly,
- Similar changes will be made on related sub-projects like explorer

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- Thorough testing of updated projects in staging environments.
- Finalize documentation and migration guides.
- Deploy and monitor updated versions.

Note: Github repository will be public. Changes will be made to the existing repository.

- ether-v6

will serve as a main branch. All changes related to this upgrade will be made to this branch.

- Upon successful completion of the migration to Ether-V6, a PR will be created to push the changes to main branch.

[RFP: Ethers.js v5 to v6 Upgrade and SDK Agnosticism for Cow Protocol](#)

Funding Request:

A total of 15,000 EURO denominated in xDAI token (Gnosis Chain).

Milestones

Milestone

Task

Due Date

Payment

Milestone 1

Remove dependency @cowprotocol/contracts

package on both @cowprotocol/cow-sdk

and Cowswap

along with passing affected tests. Migration to ether-v6 on both @cowprotocol/cow-sdk

and Cowswap

, along with existing passing and additional tests if required.

2 weeks

6000 EURO

Milestone 2

Changes to all sub-projects like explorer

. Update documents and examples

1 week

2000 EURO

Milestone 3

Modular adapters for blockchain interactions, utilising both Ether.js and Viem, along with documentation.

3 weeks

7000 EURO

NOTE: Payment denominated in xDAI.

Gnosis Chain Address (to receive the grant):

gno:0xa87a0BE15A8507e0e652f80B0f898301c9a7906D

Terms and Conditions:

By submitting this grant application, I acknowledge and agree to be bound by the [CoW DAO Participation Agreement](#) and the [CoW Grant Terms and Conditions](#).