

# Independent monitoring team - cycle #2

The team will provide development and content support for the API3 technical documentation and for software that monitors data feeds. There is only one team member for this cycle.

**Period:** December 1st, 2023 - February 29th, 2024  
**Cycle:** #2  
**Amount:** 22,547.00 (USDC)  
**Destination:** 0xBd94c3F81CC8d5a993908270103639C8a0E9F0aA \*

\* The destination is a wallet managed by Warren

## Proposal parameters

Target contract address (USDC):  
0xA0b86991c6218b36c1d19D4a2e9Eb0cE3606eB48

Target contract signature:  
transfer(address,uint256)

Parameters:  
["0xBd94c3F81CC8d5a993908270103639C8a0E9F0aA","22547000000"]

## Responsibilities

Core responsibilities for this cycle will be the API3 technical documentation and the Centurion app. The Centurion app was introduced last cycle and has been deployed as v1.0.0 (see <https://centurion.surge.sh>).

### API3 technical documentation

This proposal funds management of the docs, facilitates framework changes, content corrections, and new content.

- Framework updates
- Vue component development
- Content corrections and additions
- Coordinate internal technical contributions
- Review PRs
- Deployments

### Centurion app

The monitoring of data feeds has become an important task. Downtime of any data feed would be an inconvenience to dAPPs that rely on them.

External monitoring differs from internal monitoring because it does not benefit from the metadata of the dAPI operations team. Should the metadata contain omissions or errors, the Centurion app will provide a different analysis of on-chain data feed values. Therefore, for the Centurion app to be useful, it must look at data feeds from outside the API3 organisation. Using the on-chain Api3Server.sol contract and new phase 2 contracts as a focal point, the app will extract values from these contracts as well as other external sources to check for deviation and heartbeat updates related to data feed values.

## Budget

Line item	Amount USDC
Grants	21,696.00
Expenses	231.00
Cycle total	21,927.00
Overhead 4%	877.00 *
Carryover from previous cycle	-257.00 *
Proposal amount	22,547.00

\* Rounded down

## Grants

Name	Role	Basis	Amount USDC
Warren	Development	FT	7232.00/mo **

\*\* US-based contributor. 13% extra liabilities included. This is up from 12% last cycle as an “anticipated increase” by the vendor. If the increase does not take effect in cycle #2 the extra 1% will be carried over to reduce expenses in cycle #3.

## Expenses

There are expenses to support the docs and the Centurion app. Hosting for Node.js backends, PostgreSQL database, and testing environments. Note that the backend hosting costs could increase depending on the growth of deployed data feeds and supported chains.

Service	Cost	Cycle total
Backend hosting	\$14 per month	\$84
Database hosting	\$49 per month	\$147

## Overhead

Some overhead related to hosting services is needed to protect from charges that are often not understood or disclosed by providers and possible acceleration of development milestones. Unused funds will be carried over to future proposals and reduce the ask for future expense needs.

## Carryover

Amount forwarded from cycle #1: 257.00 (USDC).

## Deliverables

### API3 technical documentation

- Update Vitepress framework as releases are posted
- Maintain and create Vue components for VitePress as needed
- Internal developer content contributions
- PRs and deployments
- Phase 2.1 documentation
- Investigate theming changes

### Centurion app

- Deliver v2 of the Centurion app
- An additional oracle data source for deviation calculations
- Integrate logs into the API3 common logging platform
- Generate direct alerts to Sentinel team members via SMS, email, or Opsgenie
- Developer and admin documentation
- Support for phase 2.1
- @API3/chains upgrade