

Independent monitoring team - cycle #7

The team provides development of the Centurion ecosystem which monitors dAPIs along with their supporting infrastructure as well as technical support for the API3 documentation sites.

Period: Mar 1st, 2025 - May 31st, 2025
Cycle: #7
Amount: 20,954.00 (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","20954000000"]

Budget

Line item	Amount USDC
Grants	21,696
Expenses	699
Cycle total	22,395
Overhead (0)%	
Carryover from previous cycles	-1,441
Proposal amount	20,954

Grants

Name	Role	Basis	Amount USDC
Warren	Development	FT	7,232/mo **

** US-based contributor. 13% extra liabilities included. This is an “anticipated increase” by the vendor. If the increase does not take effect in this cycle the extra 1% will be carried over to reduce expenses in the next cycle.

Expenses

There are expenses to support the docs and the Centurion ecosystem for staging and production environments. These include hosting for Node.js backends and PostgreSQL databases. 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	\$114 per month	\$342
Database hosting	\$80 per month	\$240
RPC providers	\$39 per month	\$117
		\$699

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 the previous cycle: 1,441 (USDC).

Centurion ecosystem

Centurion is best described as a proactive monitoring system. Centurion is proactive in that it watches many underlying forces that could prevent Airseeker from updating feed/chain pairs. In doing so Centurion adopts a false positive alerting behavior to remain proactive and prevent failures that could impact dAPPs.

- AirseekerRegistry (data feeds)
- RPC providers
- Wallet balances (low, critical)
- Wallet transaction nonces
- Signed data
- External validators such as Pyth and others

Without its system of coded support workers, Centurion would be a reactive system which would signal excessive deviation alerts for feed/chain pairs .

For this cycle there will be a push to improve the efficiency of code based “workers”, team member engagement to improve technical skills, and Centurion documentation.

Also for this cycle the Centurion team would like to proclaim a theme of “Simplification” whereas existing code and processes should be reviewed and simplified as much as possible.

Centurion deliverables

- Add a new external validator
- Wallet nonces integrated into the UI
- Changes to UI admin pages
- Continue to improve Opsgenie alert integrations
- Documentation changes around alert reaction procedures
- Continue team members Heroku engagement
- Teach team members the use and maintenance of the database environment
- Continued performance and simplification of worker code
 - Expand code comments to assist future developers
 - New Centurion documentation with more detail
- Sentinel technical development
- Explore the substitution of the PrimeVue framework if of benefit

API3 technical documentation

The oev-docs and dao-docs were broken out of the airnode-docs in the previous cycle. Both oev-docs and dao-docs were changed to use the default settings of VitePress, meaning that there are no longer framework changes (hacks) as with airnode-docs. This has provided the product owners for oev-docs and dao-docs simple to use and self updatable markdown documentation. This grant proposal will provide these product owners with continued support for their respective underlying VitePress framework implementations.

Documentation deliverables

- Update VitePress framework to v2 as it exits the alpha stage
- Update VitePress framework as v1 minor releases are posted
- Maintain and create Vue components for VitePress as requested by product owners
- PRs and deployments when requested
- Support for any technical difficulties