



**EOS Network  
Foundation**

# **Program and Operations Health Report**

**02 DEC 2022**

# Agenda

Section	Description
1	<a href="#"><u>New Initiatives</u></a>
2	<a href="#"><u>Operations Metrics</u></a>
3	<a href="#"><u>Contracts, RFPs, Grants Metrics</u></a>
4	<a href="#"><u>Completed Projects</u></a>

The background of the slide is a complex, abstract geometric pattern. It consists of numerous thin, light blue lines that intersect to form a network of triangles and other polygons. Some of these shapes are filled with a semi-transparent blue color, creating a layered, crystalline effect. The overall composition is dynamic and modern, suggesting a theme of technology, innovation, or interconnected networks.

# **New Initiatives**

# Project Health Scorecard

Project	Headline	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>ENF Projects</b>													
Market+ Dashboard	COMPLETE												
Market+ Report One	COMPLETE												
Recover+ Portal	COMPLETE												
Yield+ Smart Contract	COMPLETE												
Yield+ Portal	COMPLETE												
GoLang Security Port	OCI waiting for ENF Peer Review												
Performance Test Harness	PT to est. thread count recommendations												
Regression Test Harness	Substitute urllib.request for curl usage												
OCI Staff Augmentation	PRs for 3.2.0-rc1 and 3.1.2 releases												
Hypha - DAO	System/core badges planning finalized												
TrustEVM	EOSIO.token compatibility complete												
<b>Antelope Projects (Coalition)</b>													
API+ Transaction Lifecycle	COMPLETE												
Scalability+ IBC	Firehose+proof API server bdl. complete												
Scalability+ Instant Finality	Mathematical proofs ready for review												
Wallet+ SDKs	Milestone #2 delayed based on estimates												
API+ Secure Smart Contract Libraries	Pricing revisions submitted for approval												
Scalability+ Provable State Domains	Requirement development in process												
Scalability+ P2P Peer Discovery	Final bid submissions due 05 DEC												
Scalability+ Research RAM Limitation Fixes	RFP intent to bid due today												
Core+ Smart Contract Tooling Evolution	ENF to adopt RFP into Antler CDP project												

Future

Good

At Risk

Issues

Future End Date

Complete

Antelope Upgrade

GoLang Security Port

OCI

**Project Start Date:** 01 SEP 2022  
**Project Summary:** GoLang Security Port, Port Go library to C++ for bn crypto library

Report Date: 02 DEC 2022			
Status Scorecard			
Schedule	<div></div>	<div>✓</div>	<div></div>
Scope	<div></div>	<div>✓</div>	<div></div>
Resources	<div>✓</div>	<div></div>	<div></div>

### Highlights & Accomplishments

- October 2022**
- Discarded stories porting Golang ARM64 and AMD64 to Native Assembly
  - Ported BN256, Optate.go, twist.go, and BN256\_test.go to C++
  - Troubleshoot of BigInt, other testing issues for the GoLang to C++ conversion
  - Increased BN256 Performance Statistics
  - Pulled out boost libs used by bn256
  - Added new stories to improve GoLang performance, approved by ENF Engineers
- November 2022**
- Final deliverables in ENF queue for peer review
  - Continued updates to Initial benchmarking
  - Refactored Cmake for all platforms and compilers
  - Hand-rolled BigInt instead of Boost

### Upcoming Activities / In Progress

- In Peer Review:
  - Replace bn256 implementation host functions, use the new bn256 library
- Meeting for OCI to hand code to S. Diesel, L. Huang at ENF

Key Milestones		
Description	Planned	Act/*Est
Group & Implement GFP files (Port Golang to C++)	08 SEP 2022	08 SEP 2022
<b>More Milestones - Complete...</b>		
Run two tests: Example_test & main-test in new env.	30 SEP 2022	18 OCT 2022
Create and Continued Updates to Initial Benchmarking	07 OCT 2022	09 NOV 2022
Update benchmarking of new code vs. Go Library	15 OCT 2022	14 OCT 2022
Increase BN256 Perf. Statistics, Pull out boost libs used by bn256, Troubleshoot BigInt/Testing Issues for GoLang to C++ Converter	28 OCT 2022	27 OCT 2022
Use OCI's hand-rolled BigInt instead of Boost, Refactoring Cmake for all platforms & compilers	28 OCT 2022	09 NOV 2022
Replace the implementation of bn256 host functions to use the new bn256 library, Code Handoff to ENF	04 NOV 2022	*TBD

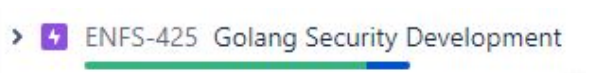
### Issues / Risks / Escalations

- Testing issues will push out the project into October - *accepted*
- Additional scope of work to delay code hand off to 04 NOV 2022 - *accepted*
- OCI waiting on ENF final peer review to schedule code hand-off - *blocker*

Complete

In Progress

Backlog



**Project Start Date:** 01 SEP 2022

**Project Summary:** Performance Harness will create an MVP, with the goal to complete this work in early 2023. Later phases will add more automation. Additional features and analysis capabilities, along with Cloud CI/CD

**Status Scorecard**

<b>Schedule</b>	✓		
<b>Scope</b>	✓		
<b>Resources</b>	✓		

**Highlights & Accomplishments**

**November 2022**

- Stage 2 Product Proposal approved and posted.
- Create initial high-level architectural view of Performance Harness at Stage 2
- Add target tps to log directory name for performance \_test\_basic
- Make number of chain threads configurable and report on the number configured
- Make number of producer thread configurable and report on the number configured
- Update cluster.py for running producer node to heap mode vs. mapped
- Remove-resource-monitor-not-shutdown-on-threshold-exceeded option
- Fix trx gen err detections

**December 2022**

- Perf. test to establish thread count recommendations (net, chain, producer)
- SPIKE: Investigate potential default arguments not showing in config reporting
- Update Node.py response order and truncate printed verbose output for CI/CD

**Key Milestones**

Description	Planned	Act/*Est
MVP: Output Evaluation	30 APR 2023	26 OCT 2022
MVP: Transaction Source	30 APR 2023	05 OCT 2022
MVP: Run Harness	23 DEC 2022	*16 DEC 2022
MVP: User Docs, Testing, Baseline Evaluation	23 DEC 2022	*23 DEC 2022
Architectural Roadmap Deliverables	23 DEC 2022	*23 DEC 2022
Performance Harness Stage 2 - <i>TBC</i>	30 MAR 2023	*30 MAR 2023

**Upcoming Activities / In Progress**

- In Peer Review:
  - Create baseline evaluation of Mandel 3.1 using Performance Test Harness
  - Create baseline evaluation if Leap 3.1 vs. 3.2 using Perf. Test Harness
  - Performance Harness MVP: Address ENF Peer Review
- Baseline eval of EOS 2.0 & 2.1 using Performance Test Harness
- Update Perf Harness to work with 2.0 and 2.1 release
- S. Diesel to arrange meeting with OCI to discuss Stage 2 deliverables

**Issues / Risks / Escalations**

- None

Complete

In Progress

Backlog

>  ENFS-322 Perf Harness MVP - User Docs & Testing & Baseline Evaluation

>  ENFS-587 Perf Harness - Stage 2

>  ENFS-319 Perf Harness MVP - Transaction Source

>  ENFS-320 Perf Harness MVP - Run Harness

>  ENFS-321 Perf Harness MVP - Output Evaluation

**Project Start Date:** 01 SEP 2022

**Project Summary:** Regression Harness to improve the maintainability, utility, and reliability of the test harness

**Status Scorecard**

<b>Schedule</b>	✓		
<b>Scope</b>	✓		
<b>Resources</b>	✓		

**Highlights & Accomplishments**

**November 2022**

- Migrate launcher:
  - port data structures and data generation code
  - port network topology generator
  - port command line arguments
  - port remote nodeos launcher
- Capture test network topology in graphviz format

**December 2022**

- Remove usage of curl, substituting urllib.request

**Key Milestones**

Description	Planned	Act/*Est
Replace/migrate eosio-launcher	30 APR 2023	*30 APR 2023
Improve Flexibility/Reliability	30 APR 2023	*30 APR 2023

**Upcoming Activities / In Progress**

- Convert filesystem usage from hard-coded 'var/lib' to ctest test name
- Convert network usage to use Linux namespace for isolation
- Migrate launcher: port cluster launcher
- Migrate launcher: move models process control fully into Node.py

**Issues / Risks / Escalations**

- Team focus redirected towards P2P Peer Discovery RFP revisions - **monitor**

Complete   
In Progress   
Backlog 

>  ENFS-166 Regression Testing Enhancements





**Project Start Date:** 01 SEP 2022

**Project Summary:** OCI will hand bug fixes, upgrades and other assigned projects that fall under the Leap 3.1, 3.2, and 4.0 environments.

**Status Scorecard**

<b>Schedule</b>	✓		
<b>Scope</b>	✓		
<b>Resources</b>	✓		

**Highlights & Accomplishments**

**November 2022**

- LEAP 4.0 stories for bug fixes, enhancements, other requests
- EVM RPC branch tested
- EVM block conversion WrongNance error if transaction has multiple push trx actions
- Measured EVM latency for 0.5 vs. 1 second blocks
- Repair TrustEVM-node stop processing when syncloop stops
- OpenSSL Refactor cleos to use libcurl for HTTP/S
- Reconnect TrustEVM-node to SHiP and continue from last block received
- TrustEVM-node clean shutdown

**December 2022**

- Trust EVM: Unable to run when rpc\_plugin is specifice
- PRs for 3.2.0-rc1 and 3.1.2 releases
- Leap 4.0: Several stories and PRs for enhanced functionality

**Key Milestones**

Description	Planned	Act/*Est
3.2 Backport work	14 SEP 2022	14 SEP 2022
3.1 / 3.2: WAX Updates	23 SEP 2022	23 SEP 2022
EVM	15 JAN 2023	*08 MAR 2023
Prometheus	30 APR 2023	*30 APR 2023
3.3 SHiP Log Splitting	30 APR 2023	*30 APR 2023
OpenSSL Dependency Removal	30 APR 2023	*30 APR 2023
3.3: Block Log Splitting	30 APR 2023	*30 APR 2023
Leap 4.0 (all new feature work and bugs)	30 APR 2023	*30 APR 2023

**Upcoming Activities / In Progress**


- 3.3 Blocklog Splitting
- Prometheus: Instrument Chain Plugin to publish relevant metrics (2 stories)
- EVM: Fix forking behavior
- In Peer Review:
  - Modify Prometheus http\_plugin to allow for some endpoints to be text/plain
  - EVM nodeos\_trust\_evm\_test.py force eosio to fork, debug unwind functionality

**Issues / Risks / Escalations**

- Staff Aug. task schedules may be impacted by other projects hierarchy - *approved*

Complete   
In Progress   
Backlog 


>  ENFS-641 SHiP & Block Log Splitting

>  ENFS-642 Open SSL Dependency Removal

>  ENFS-115 Leap 3.2

>  ENFS-460 Leap 4.0

>  ENFS-493 EVM

>  ENFS-510 Prometheus (Leap 4.0)



**Project Start Date:** 12 SEP 2022

**Project Summary:** Hypha to create a DAO management system for EOS

**Final Project Milestone:** Warranty Period (x6): 07 AUG 23 to 09 JAN 24

**Status Scorecard**

<b>Schedule</b>	✓		
<b>Scope</b>	✓		
<b>Resources</b>	✓		

**Highlights & Accomplishments**

**October 2022**

- EOS Smart Contract login integration deployment complete
- DAO Launcher Frontend 75% done / Backend 50% done

**November 2022**

- DAO Launcher Frontend complete
- EOS contract deployment 90% done
- Milestone #2 17 NOV 2022 presentation completed
- Smart Badge & Dgraph on EOS final designs, prep work

**December 2022**

- System badges finalized: Admin, Enroller, Treasurer, Northstar + Custom badges

**Key Milestones**

Description	Planned	Act/*Est
#1: Onboarding - profile service deploy for EOS, Mobile Version, Pricing Model +Freemium, staking and burning	14 OCT 2022	13 OCT 2022
#2: DAO Creation Wizard, Smart Contracts deploy on EOS	25 NOV 2022	17 NOV 2022
#3: Dgraph k8 deployment for EOS, Smart Badges	20 JAN 2023	*20 JAN 2023
#4: EDEN Democratic process as a governance setting	24 FEB 2023	*24 FEB 2023
#5 Ecosystem Filter, Voting Module (Config Page), Msig on config settings, Policy Proposals, Quest Proposals, Circle Proposals	14 APR 2023	*14 APR 2023
#6 Templates Treasury, Redemption Processing	26 MAY 2023	*26 MAY 2023
#7 Notifications, Payroll Modules/Salary Bands, Multi-lingual, First Signer Pays	07 JUL 2023	*07 JUL 2023

**Upcoming Activities / In Progress**

- Dgraph k8 deployment for EOS planning, development

**Issues / Risks / Escalations**

- Error on the Key Milestone date, #4 to complete 24 FEB 2023 - **resolved**
- Conflict with EOS Costa Rica team to help validate Milestone #4 - **monitor**
- Frontend Dev Arseni out due to personal reasons - **resolved**



**Status Scorecard**

<b>Schedule</b>			
<b>Scope</b>			
<b>Resources</b>			

**Project Start Date:** September 2022 (new baseline)

**Project Summary:** Build an Ethereum Virtual Machine based on the EOS network, a turn-key solution for developers to operate their apps on a full #Ethereum-compatible chain and benefit the high throughput, scalability, security and reliability from the EOS infrastructure

**NOTE:** Planned dates updated to reflect holiday and PTO schedules

**Highlights & Accomplishments**

**November 2022**

- Gas fee Reserved Address Ranges completed
- Complete Meta mask integration
- Create test to generate forks for silkworm-rpc node
- Repair silkworm-rpc node issues identified
- Metamask integration, prepared for testing
- Testing TrustEVM RPC interface against a block explorer
- Dust handling paper complete and put up
- Final decision concluded on Silkworm maturity and stability

**December 2022**

- Gas usage discrepancy on transactions executed by runtime vs. trustevm-rpc
- Variable Simulation Model created
- Set up sandbox environment with different chainID, sub-domain and SSL certificate
- EOSIO.token compatibility completed

**Key Milestones**

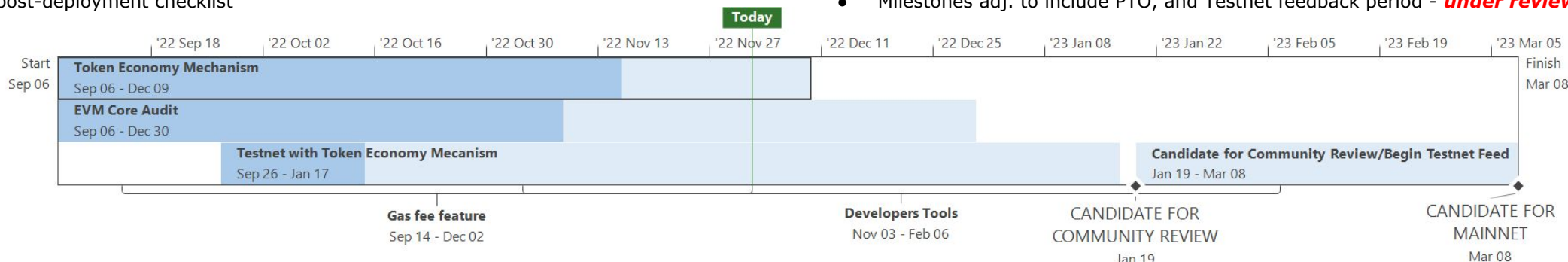
Description	Planned	Act/*Est
Read Incentive System Design	13 SEP 2022	13 SEP 2022
<b>More Milestones - Complete...</b>		
Variable Simulation Model	08 NOV 2022	*09 DEC 2022
Gas fee feature	11 NOV 2022	*02 DEC 2022
API Compatibility	22 NOV 2022	15 NOV 2022
Sentnl.io Audit	23 DEC 2022	*06 JAN 2023
UI Support for Staking	15 DEC 2022	*15 DEC 2022
Block Explorer Support Silkworm	26 DEC 2022	*19 JAN 2023
Candidate for Community Review/Begin Testnet Feedback	27 DEC 2022	*19 JAN 2023
Candidate for Mainnet/Launch	08 MAR 2023	*08 MAR 2023

**Upcoming Activities / In Progress**

- Gas Price Algorithm
- Developer tools
- Token business model analysis
- Start post-deployment checklist

**Issues / Risks / Escalations**

- Estimating errors due to technical complexity can impact the schedule - **monitor**
- Unavailability of key resources due to external difficulties - **monitor**
- Silkworm code maturity and stability may impact scope, schedule - **accepted**
- Milestones adj. to include PTO, and Testnet feedback period - **under review**





Scalability+	IBC (inter blockchain communication)	Origin
<b>Project Start Date:</b> 23 AUG 2022 <b>Project Summary:</b> IBC (inter blockchain communication) protocol allows for any action taking place on an EOSIO blockchain (chain A) to be cryptographically provable to another EOSIO blockchain (chain B). <b>SLA Period:</b> 24 months (end 27 AUG 2024)		

<b>Report Date:</b> 29 NOV 2022			
<b>Status Scorecard</b>			
<b>Schedule</b>			✓
<b>Scope</b>		✓	
<b>Resources</b>		✓	

## Highlights & Accomplishments

### October 2022

- Closed beta for API server scheduled
- Complete proof API server v1

### November 2022

- Milestone #1 ENF audit complete by B. Kittinger
- IBC proof server has been open-sourced and being tested by multiple teams
- Naming convention proposal presented to the coalition
- Coalition meeting to discuss IBC governance
- Completed additional work requested by Coalition prior to external auditing
- External audit has commenced in advance of Milestone #3
- Completed first version of eosio.ibc contract
- Deployed eosio.ibc to UX public testnet
- Milestone #4 (Firehose + proof API server bundle) submitted for final approval

## Key Milestones

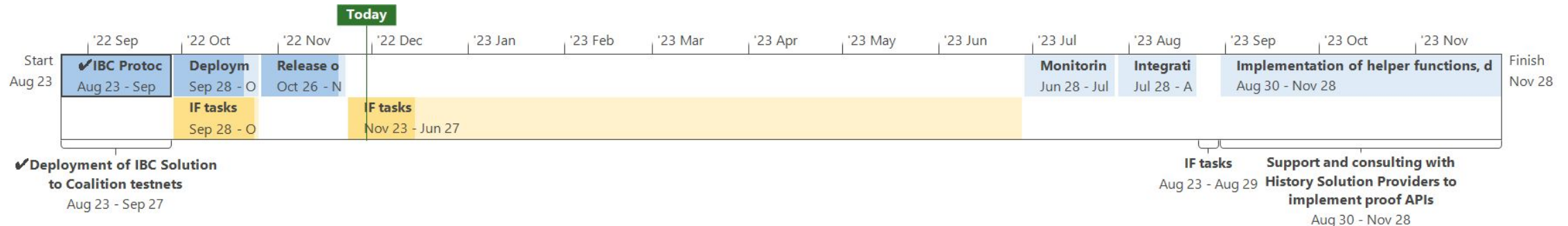
Description	Planned	Act/*Est
IBC Protocol updates	27 SEP 2022	03 NOV 2022
Deployment IBC Solution to Jungle, Kylin testnet (+Wax, TLOS, UX)	27 SEP 2022	27 SEP 2022
Deployment IBC solution to EOS, TLOS, WAX, UX	25 OCT 2022	*10 JAN 2023
Release of Firehose + proof API server bundle	22 NOV 2022	*02 DEC 2022
Monitoring and analysis tools	27 JUL 2023	*27 JUL 2023
Integration of IBC and Instant Finality	22 AUG 2023	*22 AUG 2023
Imp. of helper functions, database structures and API for proof generation in Nodeos	28 NOV 2023	*28 NOV 2023
Support & consult with History Solution Providers to imp. proof APIs	28 NOV 2023	*28 NOV 2023

## Upcoming Activities / In Progress

- Add support for SHIP
- Organize public zoom call with interested developers
- BPs to review IBC code, create MSIGs to deploy to mainnet
- Follow up with external auditors for results

## Issues / Risks / Escalations

- Discuss with Coalition regarding launch and governance implications - **monitor**
- Additional work requested by Coalition prior to deployment - **accepted**
- A. Hayrapetian currently unavailable for project requirements - **monitor**
- Milestone #3 estimate did not include duration for BPs to deploy - **monitor**





Scalability+

IF (Instant Finality)

Origin

Report Date: 29 NOV 2022

Project Start Date: 23 AUG 2022

**Project Summary:** Instant Finality implements near-immediate byzantine fault-tolerant deterministic finality as part of the core EOSIO protocol in order to improve responsiveness of application

SLA Period: 24 months (end 27 AUG 2024)

## Status Scorecard

Schedule		✓	
Scope		✓	
Resources		✓	

## Highlights &amp; Accomplishments

## October 2022

- G1 & G2, multiplication & exponentiation cryptography primitives added to scope
- Review and analysis of Fast / Diem / HotStuff consensus mechanism
- Status report and technical direction update with ENF Engineering
- Progress on completing mathematical proofs

## November 2022

- Review of proposed model with ENF engineering
- Adjustments to proofs (addition of finalizer set change safety proof) per feedback
- Final version proofs complete, ready to submit to A. Hayrapetian for review

## Key Milestones

Description	Planned	Act/*Est
Specifications, test definitions, mathematical proofs, latency analysis	25 OCT 2022	*14 DEC 2022
Linearly aggregable signatures	15 JAN 2023	*15 JAN 2023
Core Instant finality features	28 FEB 2023	*28 FEB 2023
Performance review, Successful private testnet deployment	28 MAR 2023	*28 MAR 2023
Successful deployment on Jungle public testnet	23 MAY 2023	*23 MAY 2023
Documentation	27 JUN 2023	*27 JUN 2023
Successful Audit	29 AUG 2023	*29 AUG 2023
Deployment period ends	28 NOV 2023	*28 NOV 2023

## Upcoming Activities / In Progress

- Simplify BLS interfaces, deprecation of Chia library to work directly with Relic toolkit
- Work on HotStuff consensus mech. as base consensus algorithm
- Addition, multiplication and exponentiation pairing-based cryptography primitives
- Approval of proofs

## Issues / Risks / Escalations

- Uncertain timing on Origin core dev onboard workshops from ENF/OCI - **accepted**
- Schedule at risk of slip as of 30 NOV 2022 without ENF or OCI support - **resolved**
- Additional features added may push back 15 JAN 2023 milestone - **monitor**
- A. Hayrapetian currently unavailable for project requirements - **monitor**





Wallet+

## SDK (Software Development Kit)

Greymass

Project Start Date: 12 SEP 2022

Project Summary: Establish a series of core EOSIO client protocols and create a suite of open-source EOSIO web client SDKs

Link: <https://github.com/wharfkit/>

Report Date: 2 DEC 2022

## Status Scorecard

Schedule		✓	
Scope	✓		
Resources	✓		

## Highlights &amp; Accomplishments

## November 2022

- Website with initial one page released, socials accounts and GitHub
- Branding package released, session recorded for public viewing
- Pull request up for hook/plugin architecture, login/transact calls in Session Kit
- Merged hook/plugin architecture into Session Kit, published 0.0.1-alpha.
- Initial code review of the Session Kit's transact method

## December 2022

- Initial broadcasting code/tests for the Session Kit
- Permission update abstraction in Account Kit
- Code generator work within Contract Kit
- Created asset variations for inclusion in Brand Kit
- Brainstorming sessions for WharfKit.com sitemap and layout
- Publishing of WharfKit branding blog post

## Key Milestones

Description	Planned	Act/*Est
#1 Architecture	15 OCT 2022	17 OCT 2022
#2 Kits: Account, Contract, Session (Transact)-Data Models	04 DEC 2022	*09 JAN 2023
# Product Suite Branding	13 JAN 2023	*13 JAN 2023
#4 Distribution + Session Kit Plugins	12 FEB 2023	*12 FEB 2023
#5 Web Client Renderer / UI Spec	14 MAR 2023	*14 MAR 2023
#6 Starter Templates	03 MAY 2023	*03 MAY 2023
#7 Plugin Discovery System	13 MAY 2023	*13 MAY 2023
#8 API Clients + Contract Kit Examples	23 MAY 2023	*23 MAY 2023
+Milestones to follow...		
#11 Website, Documentation, Portal	30 SEP 2023	*30 SEP 2023

## Upcoming Activities / In Progress

- Wrap story around golf rounds, gain community exposure via social media
- Coalition to review kits upon completion, provide feedback
- R&D started on UI component generation techniques (Milestone 5)

## Issues / Risks / Escalations

- Milestone #2 schedule date at risk, deliverable evolution under review - **monitor**
- Discussion around resequencing milestones, no impact to scope - **accepted**





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# **Operations Metrics**

# Operations Scorecard

Area / Metrics	Link	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Market Funding													
Direct Grants Fully Approved (#)	±					4	2	2	2	2	0	0	
Direct Grants Fully Approved (\$)						145,500	30,000	100,000	55,000	39,416	0	0	
Direct Grants Rejected (#)						3	7	3	6	1	8	1	
Direct Grants Rejected (\$)						\$208,340	\$379,000	\$136,000	\$222,000	\$50,000	\$1,102,000	\$50,000	
Direct Grants Processing Time						83	156	112	65	66	60	82	
Community Engagement													
# of Articles / Stories published	±								82	166	170	228	
# of Surveys completed									2	1	1	0	
# of Giveaway show participants									0	0	0	0	
# of Twitter/Telegram Followers									1,094	1,309	1,610	1,878	
# of Tweets / Posts									34	215	206	234	
# of Social Media Engagements									1,228	6,539	9,320	8,929	
Antelope Regression Metrics													
First Pass Yield (WF Runs)	±								84%	77%	82%	96%	

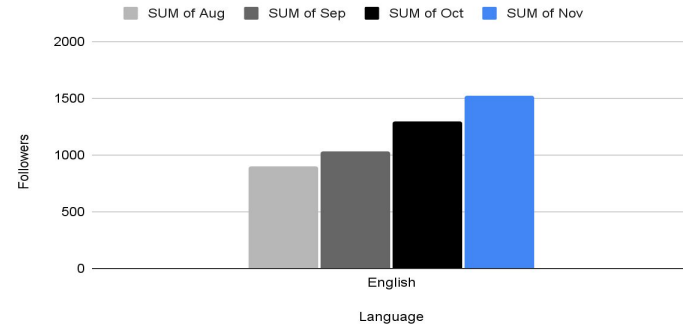


# EOS Support Twitter Metrics

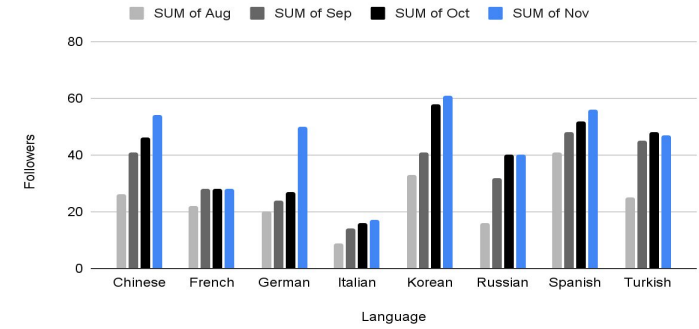
Metric	Language	Aug			Sep			Oct			Nov			Dec			Jan		
		Count	% Chg	% Eng	Count	% Chg	% Eng	Count	% Chg	% Eng	Count	% Chg	% Eng	Count	% Chg	% Eng	Count	% Chg	% Eng
Followers	Chinese	26		3%	41	58%	4%	46	12%	4%	54	17%	4%						
	English	902		100%	1,036	15%	100%	1,295	25%	100%	1,525	18%	100%						
	French	22		2%	28	27%	3%	28	0%	2%	28	0%	2%						
	German	20		2%	24	20%	2%	27	13%	2%	50	85%	3%						
	Italian	9		1%	14	56%	1%	16	14%	1%	17	6%	1%						
	Korean	33		4%	41	24%	4%	58	41%	4%	61	5%	4%						
	Russian	16		2%	32	100%	3%	40	25%	3%	40	0%	3%						
	Spanish	41		5%	48	17%	5%	52	8%	4%	56	8%	4%						
	Turkish	25		3%	45	80%	4%	48	7%	4%	47	-2%	3%						
Tweets	Chinese	3		30%	23	667%	77%	21	-9%	58%	26	24%	87%						
	English	10		100%	30	200%	100%	36	20%	100%	30	-17%	100%						
	French	3		30%	24	700%	80%	21	-13%	58%	25	19%	83%						
	German	3		30%	23	667%	77%	22	-4%	61%	27	23%	90%						
	Italian	3		30%	23	667%	77%	21	-9%	58%	25	19%	83%						
	Korean	3		30%	23	667%	77%	21	-9%	58%	25	19%	83%						
	Russian	3		30%	23	667%	77%	22	-4%	61%	26	18%	87%						
	Spanish	3		30%	23	667%	77%	21	-9%	58%	25	19%	83%						
	Turkish	3		30%	23	667%	77%	21	-9%	58%	25	19%	83%						
Engagements	Chinese	52		6%	307	490%	9%	234	-24%	4%	133	-43%	2%						
	English	806		100%	3,404	322%	100%	6,584	93%	100%	6,504	-1%	100%						
	French	31		4%	193	523%	6%	75	-61%	1%	23	-69%	0%						
	German	101		13%	500	395%	15%	361	-28%	5%	549	52%	8%						
	Italian	41		5%	112	173%	3%	60	-46%	1%	47	-22%	1%						
	Korean	70		9%	612	774%	18%	912	49%	14%	833	-9%	13%						
	Russian	34		4%	383	1026%	11%	295	-23%	4%	224	-24%	3%						
	Spanish	71		9%	438	517%	13%	341	-22%	5%	296	-13%	5%						
	Turkish	22		3%	590	2582%	17%	458	-22%	7%	320	-30%	5%						

# EOS Support Metrics

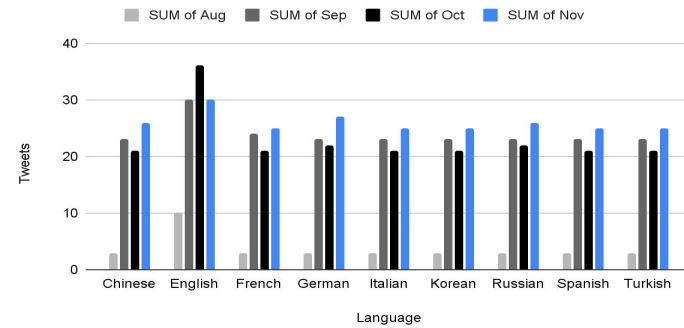
How many followers per language per month?



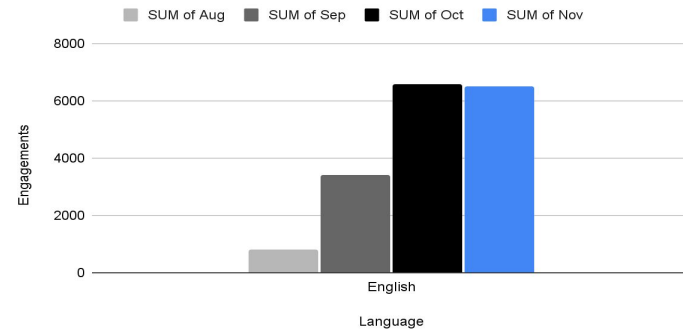
How many followers per language per month?



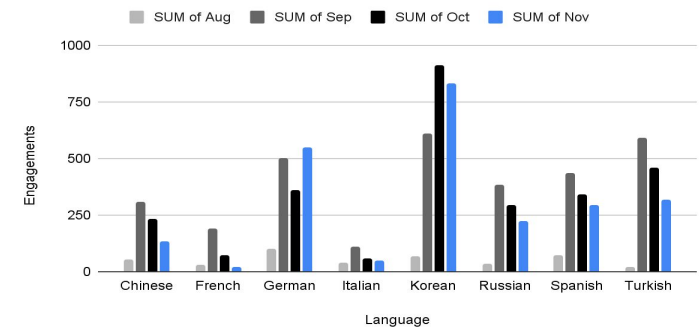
How many tweets per language per month?



How many engagements per language per month?



How many engagements per language per month?



Review of Contracts, RFP and Grants status for week of 5 DEC 2022

**Status Scorecard**

<b>Schedule</b>	✓		
<b>Scope</b>	✓		
<b>Resources</b>	✓		

**Highlights & Accomplishments**

**Contracts**

- N/A

**RFP**

- RFP#0010 Provable State Domains approved by Coalition

**Grants**

- N/A

**Status Overview**

Area	Document	Status	Notes
Contracts	SSC Contract	Work in Progress	Pending Coalition Approval
Contracts	Active Contracts Spreadsheet	Work in Progress	Updating
RFP	P2P Peer Discovery	Work in Progress	Bids due 5 DEC 2022
RFP/Contracts/Grants	Email Response Temp.	Work in Progress	

**Upcoming Activities / In Progress**

**Contracts**

- Creating Vendor Contract process
- Updating Master Contract List
- Setting up HotJar
- Setting up Osano

**RFP**

- RFP#0010 Provable State Domains
- RFP#0009 Research RAM Limitation Fixes

**Grants**

- Waiting on final finalist list.

**Issues / Risks / Escalations**

- Vendors not completing new areas of RFP. (Attachments C & D)



# Completed Projects

(for reference only)

Market+	Bywire Report One	Bywire
<b>Project Start Date:</b> 28 MAR 2022 <b>Project Summary:</b> Research, map EOS demographic & influencer landscape + the broader crypto blockchain eco-systems  <b>Project Details:</b> <a href="https://trello.com/b/6ZBwpvVO/market-wg">https://trello.com/b/6ZBwpvVO/market-wg</a>		

<b>Report Date:</b> 29 NOV 2022			
<b>Status Scorecard</b>			
<b>Schedule</b>			✓
<b>Scope</b>			✓
<b>Resources</b>			✓

## Highlights & Accomplishments

### October 2022

- Complete draft has been submitted to proofreaders for feedback edits
- Currently at 18,000+/- words
- Proofreaders returned marked-up edits for M. O'Sullivan to review & implement
- Excessive wordiness truncated, replacing with infographics, edits and rewrites
- Infographics are complete, ready to insert into final draft
- Final pass proofreading is 95% complete
- Final report submitted to Y. La Rose and T. Cahall 21 OCT 2022

### November 2022

- ENF reviewing final report, feedback provided
- No further action required, report accepted from Bywire
- **PROJECT COMPLETE**

## Upcoming Activities / In Progress

- None

## Key Milestones

Description	Planned	Act/*Est
Dashboard Prototype	19 MAY 2022	04 JUL 2022
Finish content structure	20 MAY 2022	20 MAY 2022
Finish writing the report draft 1	16 JUN 2022	21 OCT 2022
Delivery of report to ENF for translation	20 JUN 2022	30 NOV 2022
<del>First Report launch</del>	<del>20 JUL 2022</del>	<del>30 NOV 2022</del>

## Issues / Risks / Escalations

- ENF received final report from Bywire, no further actions required



**Status Scorecard**

<b>Schedule</b>	✓		
<b>Scope</b>	✓		
<b>Resources</b>	✓		

**Project Start Date:** 07 MAY 2022

**Project Summary:** Yield+ Rewards system that incentivizes DeFi protocols to retain long-term TVL within their application. In addition, an oracle system will be supporting Yield+ to provide reliable TVL data metrics of DeFi protocols and leveraging decentralized data price feeds from existing oracle providers on EOS mainnet.

**Highlights & Accomplishments**

**August 2022**

- High level 'rolling-thunder' mktg strategy outlined for 5% official launch
- Two MSIGs for rewards launched (1% + 25,000 EOS)
- 11 dapps currently registered to date

**September 2022**

- Marketing department helps develop plan for campaign
- Running on mainnet, monitoring TVL and distributing rewards
- Adding FAQ page for users to portal
- First Initial Analytic Report Launch is ready for review
- Monthly analytical reports to be posted on website at the EOM moving forward

**October 2022**

- Final milestone payments released
- Yield+ ready for EVM integration (EVM to complete required)
- **PROJECT COMPLETE**

**Upcoming Activities / In Progress**

- None

**Key Milestones**

Description	Planned	Act/*Est
Rewards Contract MVP Prototype	20 MAY 2022	26 MAY 2022
TVL Oracle Contract MVP Prototype	20 MAY 2022	26 MAY 2022
Rewards Contract Release Candidate	19 AUG 2022	23 AUG 2022
TVL Oracle Contract Release Candidate	02 SEP 2022	23 AUG 2022
Rewards Contract Complete	16 SEP 2022	12 SEP 2022
TVL Oracle Contract Complete	16 SEP 2022	12 SEP 2022
Initial Analytic Report Launch	23 SEP 2022	26 SEP 2022

**Issues / Risks / Escalations**

- Yield+ ready for integration to EVM (requires EVM to complete) - **accepted**

**Project Start Date:** 28 MAR 2022

**Project Summary:** Recover+ is an ENF supported on-chain asset recovering portal. We provide EOS asset-recovering related educative contents and open-source tool box, and therefore create connections among developers, hackers, block producers and average users.

**Status Scorecard**

<b>Schedule</b>	✓		
<b>Scope</b>	✓		
<b>Resources</b>	✓		

**Highlights & Accomplishments**

**August 2022**

- Language patch (English) to the portal added
- Demonstration page for block producer and R+ committee added
- Operating on the mainnet
- Francis coordinating deployment with Dennis (Yield+)
- Resolve issues found on mainnet

**September 2022**

- Zack and Denis approve Recover+ on-chain reporting function
- Zack provided account and permission for EOS account hosting MSIG permissions
- EOS account everythngeos@active
- **PROJECT COMPLETE**

**Key Milestones**

Description	Planned	Act/*Est
Contract Execution	28 MAY 2022	28 MAY 2022
Deploy Recover+ to a Testnet	30 JUN 2022	15 JUL 2022
Completed UX/UI Design	31 JUL 2022	04 AUG 2022
Integrated Contracts, APIs, and UI	31 AUG 2022	11 AUG 2022
Portal Launched to Production	30 SEP 2022	25 AUG 2022
Report Smart Contract Completed	14 OCT 2022	15 SEP 2022

**Upcoming Activities / In Progress**

- None

**Issues / Risks / Escalations**

- ENF representative required on committee for main portal browsing - **resolved**
- Request for Offline Studio to assume managing Recover+ maintenance - **accepted**
- Change PIZZA to Offline Studio on contracts ending ENF approval - **accepted**



Market+	<b>Bywire Dashboard</b>	Bywire
<b>Project Start Date:</b> 28 MAR 2022 <b>Project Summary:</b> Research, map EOS demographic & influencer landscape + the broader crypto blockchain eco-systems  <b>Project Details:</b> <a href="https://trello.com/b/6ZBwpvVO/market-wq">https://trello.com/b/6ZBwpvVO/market-wq</a>		

<b>Report Date:</b> 27 SEP 2022			
<b>Status Scorecard</b>			
<b>Schedule</b>	<div></div>	<div></div>	<div>✓</div>
<b>Scope</b>	<div></div>	<div></div>	<div>✓</div>
<b>Resources</b>	<div></div>	<div></div>	<div>✓</div>

## Highlights & Accomplishments

### August 2022

- Zack provides feedback and comments to validate deliverable
- Dashboard is no longer password protected
- Available for the public to access at: eos.bywire.ai - 16 AUG 2022
- Jetza made back-end improvements for smoother function - 23 AUG 2022

### September 2022

- Dashboard ready for launch pending adjustments from Jetze to data
- GitHub Progress data includes Antelope Leap repos
- **PROJECT COMPLETE**

Key Milestones		
Description	Planned	Act/*Est
Finish dashboard design updates	12 JUN 2022	21 JUN 2022
Finish build of new designs	03 JUL 2022	03 JUL 2022
Share dashboard with ENF for internal testing	04 JUL 2022	04 JUL 2022
ENF approves launch of dashboard	08 JUL 2022	06 SEP 2022

## Upcoming Activities / In Progress

- None

## Issues / Risks / Escalations

- No timelines for automated dashboard, continue manually updating data - *accepted*

**Status Scorecard**

<b>Schedule</b>	✓		
<b>Scope</b>	✓		
<b>Resources</b>	✓		

**Project Start Date:** 07 MAY 2022

**Project Summary:** The application portal is a web-based platform that provides application protocols the ability to join the Yield+ reward system, review and edit their project application, and claim daily rewards.

**Highlights & Accomplishments**

**August 2022**

- Yield+ registration successful - 14 AUG 2022
- 11 dapps currently registered to date
- Two MSIGs for rewards launched (1% + 25,000 EOS)
- Claims for 1% already started

**September 2022**

- Marketing department helps develop plan for campaign
- Running on mainnet, monitoring TVL and distributing rewards
- Development complete
- FAQ page for new users to documentation
- First Initial Analytic Report Launch is ready for review
- Monthly analytical reports to be posted on website at the EOM moving forward
- **PROJECT COMPLETE**

**Key Milestones**

Description	Planned	Act/*Est
Design MVP	20 MAY 2022	26 MAY 2022
UX/UI Iteration Complete	10 JUN 2022	06 JUN 2022
API Iteration Complete	22 JUL 2022	25 JUL 2022
Yield+ Portal Complete	19 AUG 2022	12 SEP 2022

**Upcoming Activities / In Progress**

- None

**Issues / Risks / Escalations**

- Yield+ ready for integration to EVM (requires EVM to complete) - **accepted**