EOS Network Foundation

Program and Operations Health Report

04 NOV 2022

EOS Network
Foundation

Agenda

Section	Description
1	New Initiatives
2	Operations Metrics
3	Contracts, RFPs, Grants Metrics
4	Completed Projects

New Initiatives

Project Health Scorecard

Project	Headline	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ENF Projects													
Market+ Dashboard	COMPLETE			Green	Green	Red	Red	Green	Red	Red ▍			
Market+ Report One	Final report submitted to ENF for review			Yellow	Yellow	Yellow	Green	Green	Red	Red	Red	Red	
Recover+ Portal	COMPLETE			Green	Green	Green	Green	Green	Green	Green ▍			
Yield+ Smart Contract	COMPLETE					Yellow	Green	Green	Green	Green	Green	Green ▍	
Yield+ Portal	COMPLETE					Yellow	Yellow	Green	Green	Green	Green	Green ▍	
GoLang Security Port	Three items in peer review to complete								Yellow	Yellow	Yellow	Yellow	
Performance Test Harness	Support dynamic list of accounts								Green	Green	Green	Green	Gray
Regression Test Harness	Five items in peer review to complete								Green	Green	Green	Green	Gray
OCI Staff Augmentation	Prometheus SPIKE concluded								Green	Green	Green	Green	Gray
Hypha - DAO	DAO Launcher Frontend complete								Yellow	Green	Green	Green	Gray
TrustEVM	Implementation on Silkworm, Jungle4			Yellow	Yellow	Yellow	Yellow	Yellow	Red	Red	Green	Yellow	Gray
Antelope Projects (Coalition)													
API+ Transaction Lifecycle	COMPLETE			Green	Green	Green	Green	Green ▍					
Scalability+ IBC	IBC milestone #1 unblocked, approved								Green	Yellow	Red	Red	
Scalability+ Instant Finality	ENF reviews initial IF model proposal								Green	Yellow	Red	Red	
Wallet+ SDKs	Merge PR for initial Session Kit prototype								Green	Green	Green	Green	
API+ Secure Smart Contract Libraries	Upcoming meeting to discuss RFP bid												Gray
Scalability+ Provable State Domains	Coalition approved development of RFP												Gray
Scalability+ P2P Code Re-write	RFP Released 07 NOV												Gray
Scalability+ Research RAM Limitation Fixes	Coalition approved development of RFP												Gray
Core+ Smart Contract Tooling Evolution	Coalition approved development of RFP												Gray

Key

Color	Meaning
Green ▍	Complete
Yellow (A)	At risk for issues
Red (R)	Issues
Green (G)	Good
Gray	Planned Future Schedule

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Project Start Date: 28 MAR 2022
Project Summary: Research, map EOS demographic & influencer landscape + the broader crypto blockchain eco-systems

Project Details: https://trello.com/b/6ZBwpvVO/market-wg

Status Scorecard

Schedule	🟩	🟨	☒ 🟥
Scope	🟩	🟨	☒ 🟥
Resources	🟩	🟨	☒ 🟥

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

Key Milestones

Description	Planned	Actual
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	
First Report launch	20 JUL 2022	

Upcoming Activities / In Progress

- Y. La Rose and T. Cahall to discuss options to integrate report into Blue Paper
- Marketing to review, brand and translate report into Blue Paper

Issues / Risks / Escalations

- Bywire not currently tracking to any schedule - *monitor*

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

Status Scorecard

Schedule	🟩	☑	🟥
Scope	🟩	☑	🟥
Resources	☑	🟨	🟥

Highlights & Accomplishments

October 2022
- Resolved 6x performance drop issues between GoLang and C++
- bn256 benchmark performance improvements relative to benchmark test
  - https://github.com/ethereum/go-ethereum/tree/master/crypto/bn256/cloudflare
- Discarded stories porting Goland 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

Key Milestones

Description	Planned	Actual
Group & Implement GFP files (Port Golang to C++)	08 SEP 2022	08 SEP 2022
...more milestones completed...		
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	
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	
Replace the implementation of bn256 host functions to use the new bn256 library, Code Handoff to ENF	04 NOV 2022	

Upcoming Activities / In Progress

- Replace the implementation of bn256 host functions to use the new bn256 library
- In Peer Review
  - Continuing updates to Initial benchmarking
  - Refactoring Cmake for all platforms and compilers
  - Hand-rolled BigInt instead of Boost

Issues / Risks / Escalations

- Testing issues will push out the project into October - *monitor*
- Additional scope of work to delay code hand off to 04 NOV 2022 - *accepted*

Complete 🟩
In Progress 🟦
Backlog ⬜

> ⚡ ENFS-425 Golang Security Development

EOS Network Foundation

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

Schedule	✅		
Scope	✅		
Resources	✅		

Highlights & Accomplishments

October 2022
- Start & end times to report for performance_test and performance_test_basic
- PH to configure producer w/ or w/out trace_api_plugin
- Four user documentation stories & ReadMe dependencies added
- Five small stories that increased performance enhancements completed
- Command line argument to quiet performance test output to stdout added
- Completed initial planning for Stage 2
- perf_test.py duration tests uses linear reverse search from short run max tps value

November 2022
- Make-Keep logs the default for performance test.py
- Wait for all trxs to be in blocks OR validation all transactions are in blocks
- Launch_transaction_generators,py:
- Pass back information about numGenerators & tpsPerGenerator to caller
- Support dynamic list of accounts and priv-keys like trx generator

Key Milestones

Description	Planned	Actual
MVP: Output Evaluation	30 APR 2023	26 OCT 2022
MVP: Transaction Source	30 APR 2023	05 OCT 2022
MVP: Run Harness	30 APR 2023	
MVP: User Docs, Testing, Baseline Evaluation	30 APR 2023	
Architectural Roadmap Deliverables	30 APR 2023	
Performance Harness Stage 2		

Upcoming Activities / In Progress

- Update producer node configurations for performance
- Consolidate arguments into classes to minimize signature method
  - log_reader.py -- calcAndReport
- Revisit plans for Stage 2 and prioritize work

Complete (green)
In Progress (blue)
Backlog (gray)

> ⚡ ENFS-319 Perf Harness MVP - Transaction Source

> ⚡ ENFS-166 Regression Testing Enhancements

> ⚡ ENFS-424 Perf Harness: Architectural Roadmap Deliverables

Issues / Risks / Escalations

-

> ⚡ ENFS-587 Perf Harness - Stage 2

> ⚡ ENFS-320 Perf Harness MVP - Run Harness

> ⚡ ENFS-321 Perf Harness MVP - Output Evaluation

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

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Report Date: 04 NOV 2022

Project Start Date: 01 SEP 2022
Project Summary: Regression Harness to improve the maintainability, utility, and reliability of the test harness

Status Scorecard

Schedule	✅		
Scope	✅		
Resources	✅		

Highlights & Accomplishments

September 2022
- Migrate launcher to create a place for the code
- Capture Nodeos logs into an archive

October 2022
- Supported customization of logging.json per node
- SPIKE: Investigated Linux 'clone()' API for possible use in regression test harness
- Add method to wait on a list of transactions to appear in a block
- Confirmation Regression Test Harness will be part of the 4.0 launch schedule
- Additional stories groomed

Key Milestones

Description	Planned	Actual
Replace/migrate eosio-launcher	30 APR 2023	
Improve Flexibility/Reliability	30 APR 2023	

Upcoming Activities / In Progress

- Migrate launcher to port cluster launcher
- In Peer Review:
  - Migrate launcher to port command line arguments
  - Migrate launcher - port network topology generator
  - Capture test network topology in graphwiz format
  - Migrate launcher - port data structures and data generation code
  - Remove usage of curl, substituting urllib.request

Issues / Risks / Escalations

- None

Complete
In Progress
Backlog

> ⚡ ENFS-166 Regression Testing Enhancements

EOS Network Foundation

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

Schedule	✅		
Scope	✅		
Resources	✅		

Highlights & Accomplishments

October 2022
- Bring Leap 4.0: ship protocol from abieos to leap #208
- Fix 2X memory usage when snapshot start with state history plugin enabled #20
- EVM
  - Prototype
  - Staking Contract API definition and Tokens as source of payment implementation
  - Unit Tests, Report on Algorithms and fine-tuning
  - EVM Staking Contract upgradability feature
- 3.2 Backlog splitting - Approved, survey completed

November 2022
- Prometheus SPIKE concluded, investigate the light version of Prometheus library

Key Milestones

Description	Planned	Actual
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	
Prometheus	30 APR 2023	
3.3 SHiP Log Splitting	30 APR 2023	
OpenSSL Dependency Removal	30 APR 2023	
3.3: Block Log Splitting	TBD	
Leap 4.0 (all new feature work and bugs	TBD	

Upcoming Activities / In Progress

- General bug-fix, small enhancements backlog
- PR for 3.2.0-rc1 and 3.1.2 releases
- EVM silkworm threading issues
- Backlog grooming for 3.3 SHip Log Splitting/OpenSSL Dependency Removal
- In Peer Review:
  - Prometheus: Initial Instrumentation of Net Plugin
  - Leap 4.0: Refactor cleos to use libcurl for HTTP/S

Issues / Risks / Escalations

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

Complete
In Progress
Backlog

ENFS-64 Leap 3.1

ENFS-115 Leap 3.2

ENFS-460 Leap 4.0

ENFS-493 EVM

ENFS-510 Prometheus (Leap 4.0)

ENFS-641 SHiP Log Splitting

ENFS-642 Open SSL Dependency Removal

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DAO

| | Hypha |

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

Schedule	✅		
Scope	✅		
Resources	✅		

Highlights & Accomplishments

October 2022
- Test all Milestone #1 features and work on bugs & feedback
- Milestone #1 13 OCT 2022 presentation completed
- Sprint Milestone #2 started
- Designs DAO Launcher 90% completed
- Refine stories for Milestone 2 DAO Launcher Designs with dev team
- Finalize DAO Launcher Flows & Design
- EOS Smart Contract login integration deployment complete
- DAO Launcher Frontend 75% done / Backend 50% done

November 2022
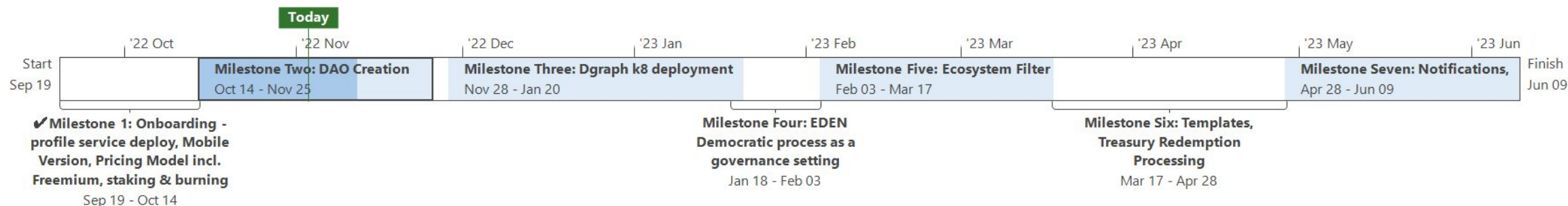- DAO Launcher Frontend complete

Key Milestones

Description	Planned	Actual
#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	
#3: Dgraph k8 deployment for EOS, Smart Badges	20 JAN 2022	
#4: EDEN Democratic process as a governance setting	03 FEB 2023	
#5 Ecosystem Filter, Voting Module (Config Page), Msig on config settings, Policy Proposals, Quest Proposals, Circle Proposals	14 APR 2023	
#6 Templates Treasury, Redemption Processing	26 MAY 2023	
#7 Notifications, Payroll Modules/Salary Bands, Multi-lingual, First Signer Pays	07 JUL 2023	

Upcoming Activities / In Progress

- DAO Launcher Backend testing
- EOS contract deployment, token sale contract and account creator contract
- Move Milestone #2 presentation to 17 NOV 2022

Issues / Risks / Escalations

- None

Timeline: Start Sep 19 → Finish Jun 09

Today — '22 Nov

- ✔ Milestone 1: Onboarding - profile service deploy, Mobile Version, Pricing Model incl. Freemium, staking & burning — Sep 19 - Oct 14
- Milestone Two: DAO Creation — Oct 14 - Nov 25
- Milestone Three: Dgraph k8 deployment — Nov 28 - Jan 20
- Milestone Four: EDEN Democratic process as a governance setting — Jan 18 - Feb 03
- Milestone Five: Ecosystem Filter — Feb 03 - Mar 17
- Milestone Six: Templates, Treasury Redemption Processing — Mar 17 - Apr 28
- Milestone Seven: Notifications, — Apr 28 - Jun 09

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EOS Network Foundation

Report Date: 04 NOV 2022

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

Status Scorecard

Schedule		☑	
Scope		☑	
Resources	☑		

Highlights & Accomplishments

October 2022
- Gas refund algorithm completed
- Forking resolution completed
- Minimal EVM upgradability requirements completed
- Block mapping completed
- Gateway proxy completed
- EVM Staking contract completed

November 2022
- Implementation on Silkworm, Jungle4 and local testnet
- .5 vs 1 sec block time paper is complete with placeholder for timescale and latency
- Gas fee Reserved Address Ranges completed
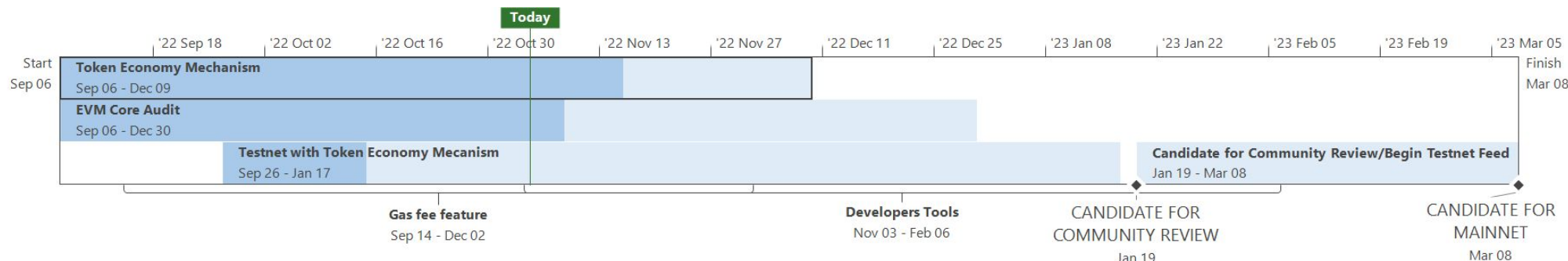
Key Milestones

Description	Planned	Act/*Est
Read Incentive System Design	13 SEP 2022	13 SEP 2022
More Milestones - Complete...		
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
Initial RPC Rollout & Token Airdrop	23 DEC 2022	*06 FEB 2023
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

- Testing Silkworm to determine maturity and stability
- Gas Price Algorithm
- Variable Simulation Model
- Developer tools

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 - *monitor*
- Milestones adj. to include PTO, and Testnet feedback period - *under review*

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Report Date: 01 NOV 2022

Project Start Date: 23 AUG 2022
Project Summary: 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).

SLA Period: 24 months (end 27 AUG 2024)

Status Scorecard

	Green	Yellow	Red
Schedule			☑
Scope	☑		
Resources		☑	

Highlights & Accomplishments

October 2022
- Full IBC solution deployed in star topology connecting five testnets together
  - https://ibc-demo.uxnetwork.io/
- Deposit paid to Sentnl for auditing
- Testing complete, all IBC Solution Deployment issues identified have been resolved
- Continue working on proof API server underway
- 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

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Key Milestones

Description	Planned	Actual
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	
Release of Firehose + proof API server bundle	22 NOV 2022	
Monitoring and analysis tools	27 JUL 2023	
Integration of IBC and Instant Finality	22 AUG 2023	
Imp. of helper functions, database structures and API for proof generation in Nodeos	28 NOV 2023	
Support & consult with History Solution Providers to imp. proof APIs	28 NOV 2023	

Upcoming Activities / In Progress

- Add support for SHIP
- External audit ahead of mainnet deployment, Milestone #3
- Organize public zoom call with interested developers
- Code clean-up to prepare for open-sourcing
- BPs to review IBC code, create MSIGs to deploy to mainnet
- Meeting 07 NOV to finish IBC governance discussions

Issues / Risks / Escalations

- A. Hayrapetian currently unavailable to review Milestone #1 & #3 - *resolved*
- Discuss with Coalition regarding launch and governance implications - *monitor*
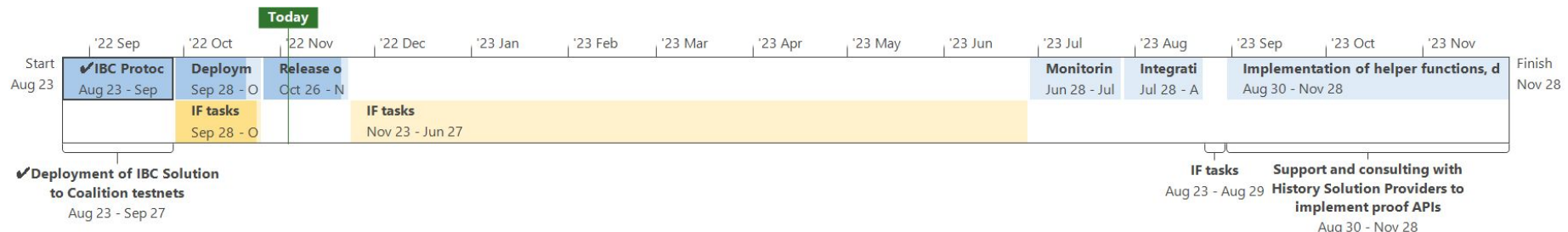
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Report Date: 01 NOV 2022

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

	Green	Yellow	Red
Schedule		☑	
Scope		☑	
Resources			☑

Highlights & Accomplishments

October 2022
- Core logic for protocol feature activation
- Built-in types bls_public_key and bls_signatures
- BLS signature verification & aggregation smart contract proof of concept/unit tests
- 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
- ENF initial review of proposed model

Key Milestones

Description	Planned	Actual
Specifications, test definitions, mathematical proofs, latency analysis	25 OCT 2022	
Linearly aggregable signatures	15 JAN 2023	
Core Instant finality features	28 FEB 2023	
Performance review, Successful private testnet deployment	28 MAR 2023	
Successful deployment on Jungle public testnet	23 MAY 2023	
Documentation	27 JUN 2023	
Successful Audit	29 AUG 2023	
Deployment period ends	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
- Mathematical proofs to be modified to reflect additional discussion items

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*

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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

Status Scorecard

Schedule	✅		
Scope	✅		
Resources	✅		

Highlights & Accomplishments

October 2022
- GitHub project management feature implemented to assign tasks
- Milestone #1 complete
- Present initial branding options for approval and feedback
- Multiple PRs for code golf including transactions, signing, session and account kits
- Reviewed 100+ potential brand visual variations, selected top 5 choices
- Migrated code from golf rounds into unit test cases
- Resequenced project milestones based on feedback from Architectural Document Milestone #1

November 2022
- Scaffolding tasks on GitHub, setting up generic stack
- First published recording and transcripts of recurring meetings
- Implemented code coverage reporting and setup automatic autodoc publishing
- Merged PR for initial Session Kit prototype
- 1st draft completed for Brand presentation deck

Key Milestones

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

Upcoming Activities / In Progress

- Public brand presentation planned for upcoming team meeting
- Reworking hook architecture for login/transact calls in Session Kit
- Wrap story around golf rounds, gain community exposure via social media
- Contract kit initial prototype development

Issues / Risks / Escalations

- Hiring staff for team expansion still ongoing - *accepted*
- Discussion around resequencing milestones, no impact to scope - *accepted*
- Schedule conflicts with weekly team meetings - *resolved*
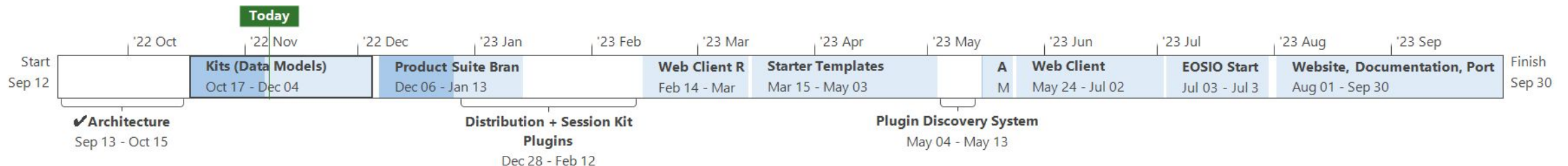
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Operations Metrics

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	$0.00	
Direct Grants Processing Time						29	27	29	30	40	34	0	
Community Engagement													
# of Articles / Stories published									82	166	170		
# of Surveys completed									2	1	1		
# of Giveaway show participants	+								0	0	0		
# of Twitter/Telegram Followers									1,094	1,309	1,610		
# of Tweets / Posts									34	215	206		
# of Social Media Engagements									23,191	294,244	115,110		
Antelope Regression Metrics													
First Pass Yield (WF Runs)									84.00%	76.79%	81.82%	100.00%	
	+												

EOS Support Twitter Metrics

Metric	Language	Aug Count	% Chg	% Eng	Sep Count	% Chg	% Eng	Oct Count	% Chg	% Eng	Nov Count	% Chg	% Eng	Dec Count	% Chg	% Eng	Jan Count	% Chg	% Eng
Followers	Chinese	26		3%	41	58%	4%	46	12%	4%									
	English	902		100%	1,036	15%	100%	1,295	25%	100%									
	French	22		2%	28	27%	3%	28	0%	2%									
	German	20		2%	24	20%	2%	27	13%	2%									
	Italian	9		1%	14	56%	1%	16	14%	1%									
	Korean	33		4%	41	24%	4%	58	41%	4%									
	Russian	16		2%	32	100%	3%	40	25%	3%									
	Spanish	41		5%	48	17%	5%	52	8%	4%									
	Turkish	25		3%	45	80%	4%	48	7%	4%									
Tweets	Chinese	3		30%	23	667%	77%	21	-9%	58%									
	English	10		100%	30	200%	100%	36	20%	100%									
	French	3		30%	24	700%	80%	21	-13%	58%									
	German	3		30%	23	667%	77%	22	-4%	61%									
	Italian	3		30%	23	667%	77%	21	-9%	58%									
	Korean	3		30%	23	667%	77%	21	-9%	58%									
	Russian	3		30%	23	667%	77%	22	-4%	61%									
	Spanish	3		30%	23	667%	77%	21	-9%	58%									
	Turkish	3		30%	23	667%	77%	21	-9%	58%									
Engagements	Chinese	694		4%	3,193	360%	1%	2,676	-16%	3%									
	English	17,000		100%	250,000	1371%	100%	76,500	-69%	100%									
	French	338		2%	2,858	746%	1%	1,818	-36%	2%									
	German	1,307		8%	5,797	344%	2%	3,855	-34%	5%									
	Italian	456		3%	1,675	267%	1%	1,077	-36%	1%									
	Korean	1,166		7%	7,925	580%	3%	10,100	27%	13%									
	Russian	592		3%	4,327	631%	2%	3,085	-29%	4%									
	Spanish	871		5%	6,069	597%	2%	5,099	-16%	7%									
	Turkish	767		5%	12,400	1517%	5%	10,900	-12%	14%									

EOS Support Metrics
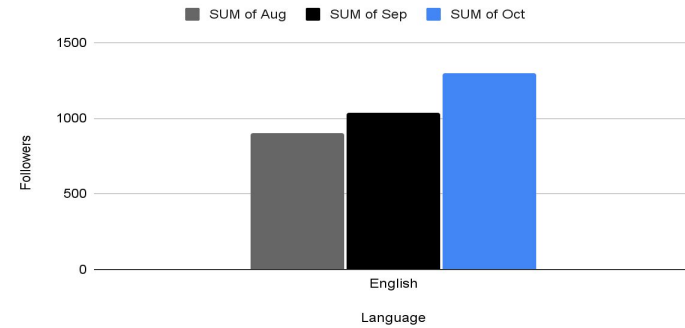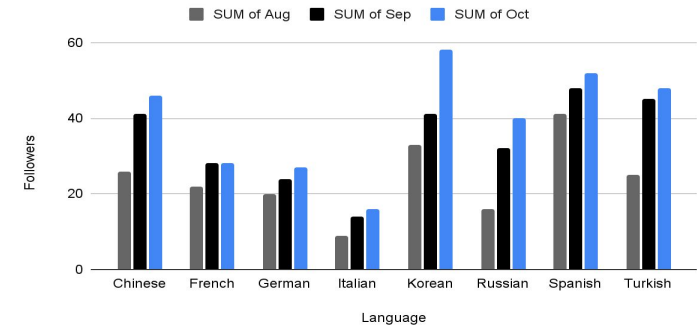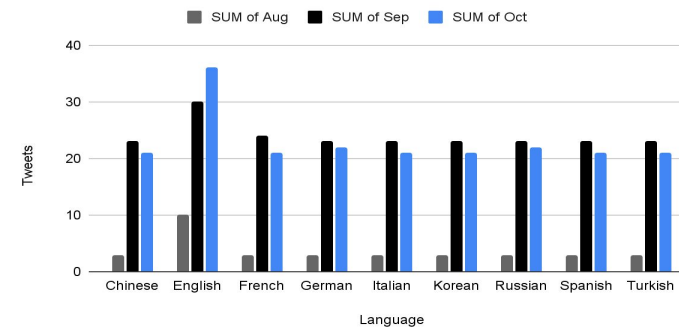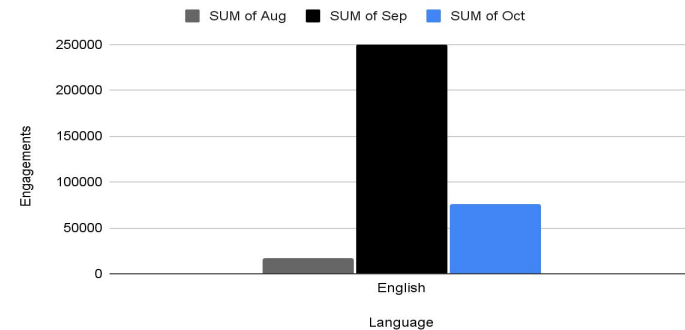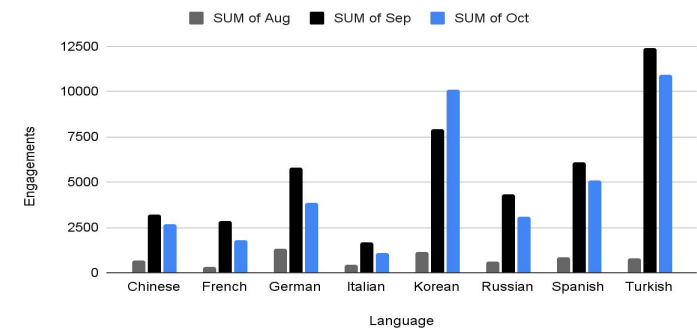
Contracts / RFP / Grants

Review of Contracts, RFP and Grants status for week of 7 NOV 2022

Status Scorecard

Schedule	✅		
Scope	✅		
Resources	✅		

Highlights & Accomplishments

Contracts
- Created MSA template

RFP
- P2P Peer Discovery RFP issued.

Grants
- None

Status Overview

Area	Document	Status	Notes
Contracts	Assignment Agreement Template	Submitted for Approval	
Contracts	Termination Agreement Template	Submitted for Approval	
Contracts	Recruitment Agreement	In Review	Reviewing with Stacye
RFP	P2P Code Rewrite	Issued	

Upcoming Activities / In Progress

Contracts
- Creating Vendor Contract process
- Creating Recruitment Agreement for HR

RFP
- Provable State Domains
- Research RAM Limitation Fixes
- P2P Code Rewrite
- RFP Template Changes
- Smart Contract Tooling Evolution

Grants
- None

Issues / Risks / Escalations

RFP
- Hyperlinks not working on P2P Peer Discovery RFP. Working with S. Diesel to fix.
- Research RAM RFP, Solution may already exist.

Contracts
- Post Launch Maintenance fees ambiguity.

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Completed Projects

(for reference only)

Market+	**Bywire Dashboard**	Bywire

Report Date: 27 SEP 2022

Project Start Date: 28 MAR 2022
Project Summary: Research and map EOS demographic and influencer landscape + the broader crypto and blockchain eco-systems

Milestones: https://docs.google.com/spreadsheets/d/1ZN7swzydbdmslPtLV2SfG_rfPcbiaWtbVvT8S8Sc5GU/edit#gid=1447149507
Project Details: https://trello.com/b/b1tpZ3Vj/bywire-enf-dashboard-scrum

Status Scorecard

Schedule	🟩	🟨	☑
Scope	🟩	🟨	☑
Resources	🟩	🟨	☑

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	Actual
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 fully automated dashboard, continue manually updating data - *accepted*

| Recover+ | **Recover Portal** | Pizza.Finance | **Report Date:** 29 SEP 2022 |

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

Schedule	✅		
Scope	✅		
Resources	✅		

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	Actual
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 for future work pending ENF approval - *accepted*

EOS Network Foundation

Report Date: 03 OCT 2022

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.

Status Scorecard

Schedule	✅		
Scope	✅		
Resources	✅		

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**

Key Milestones

Description	Planned	Actual
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

Upcoming Activities / In Progress

- None - *accepted*

Issues / Risks / Escalations

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

Yield+	**Yield+ Portal**	Defibox

Report Date: 26 SEP 2022

EOS Network Foundation

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.

Status Scorecard

Schedule	☑		
Scope	☑		
Resources	☑		

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	Actual
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 - *accepted*

Issues / Risks / Escalations

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