



EOS Network
Foundation

Program and Operations Health Report

06 JAN 2022

Agenda

| Section | Description |
|----------------|--|
| 1 | <u>New Initiatives</u> |
| 2 | <u>Operations Metrics</u> |
| 3 | <u>Contracts, RFPs, Grants Metrics</u> |
| 4 | <u>Completed Projects</u> |

The background features a complex network of thin, light blue lines connecting various points, creating a web-like structure. Overlaid on this are several semi-transparent, light blue geometric shapes, primarily triangles and polygons, some of which are larger and more prominent than others. The overall aesthetic is clean, modern, and technical.

New Initiatives

Project Health Scorecard

| Project | Headline | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ENF Projects | | | | | | | | | | | | | |
| GoLang Security Port | OCI and ENF to discuss code hand-off | > | | | | | | | | | | | |
| Performance Test Harness | Mandel, Leap Perf Test baseline evaluation | > | | | | | | | | | | | |
| Regression Test Harness | Blocked pending ENF research and direction | > | | | | | | | | | | | |
| OCI Staff Augmentation | Prometheus epic requires restructuring | > | | | | | | | | | | | |
| Hypha - DAO | EOS graph database production on cloud | > | | | | | | | | | | | |
| TrustEVM | Token compatibility PR put up | > | | | | | | | | | | | |
| Antelope Projects (Coalition) | | | | | | | | | | | | | |
| Scalability+ IBC | Origin to repair IBC MSIGs for BPs | > | | | | | | | | | | | |
| Scalability+ Instant Finality | Finalizing defined IF algorithm | > | | | | | | | | | | | |
| SDKs | Wharf SessionKit 0.1.1 published | > | | | | | | | | | | | |

Future

Good

At Risk

Issues

Past start date

Future End Date

Complete

RFP Status Report

| RFP# | Project Name | Notes | Issued | Intent to Bid | Questions Due | Answers Due | Bids Due | Coalition/ Vendor Meeting* | Award |
|------|------------------------|---|--------|---------------|---------------|-------------|----------|-------------------------------|--------|
| 0011 | P2P Peer Discovery | Coalition to review bids and confirm if meeting is necessary. | 07 NOV | 14 NOV | 21 NOV | 28 NOV | 05 DEC | 17 JAN | 23 JAN |
| 0009 | RAM Limitation Fixes | ENF only company to bid, working with them to potentially expedite RFP dates. | 28 NOV | 05 DEC | 12 DEC | 19 DEC | 17 JAN | 23 JAN | 30 JAN |
| 0010 | Provable State Domains | Requirements for RFP in process | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Future
Good
At Risk
Issues
Complete

* Meeting is not mandatory and will be decided if needed by the Coalition.

Project Start Date: 01 SEP 2022

Project Summary: GoLang Security Port, Port Go library to C++ for bn crypto library

Status Scorecard

| | | | |
|-----------|--------------------------------------|-------------------------------------|------------------------------------|
| Schedule | ■ | <input checked="" type="checkbox"/> | ■ |
| Scope | ■ | <input checked="" type="checkbox"/> | ■ |
| Resources | ■ | <input checked="" type="checkbox"/> | ■ |

Highlights & Accomplishments

November 2022

- Refactored Cmake for all platforms and compilers
- Hand-rolled BigInt instead of Boost

December 2022

- L. Huang completed review, HM. Huang successfully integrated feedback
- M. Witherspoon reviewed outstanding PR
- HM. Huang completed final additional testing requested by ENF
- Issues completed and code merged:
 - Replace the implementation of bn256 host functions to use the new bn256 library
 - Add crypto primitive tests for invalid input lengths

January 2023

- All blockers resolved, code implemented and tests completed

Key Milestones

| Description | Planned | Act/*Est |
|--|-------------|--------------|
| Group & Implement GFP files (Port Golang to C++) | 08 SEP 2022 | 08 SEP 2022 |
| +Milestones - Complete... | | |
| 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 | *20 JAN 2023 |

Upcoming Activities / In Progress

- L. Huang, S. Diesel to discuss code hand-off options with OCI in HM. Huang absence

Issues / Risks / Escalations

- OCI waiting on ENF final peer review to schedule code hand-off - **resolved**

Complete ■
 In Progress ■
 Backlog ■

> + ENFS-425 Golang Security Development

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 | ■ | ■ <input checked="" type="checkbox"/> | ■ |
| Scope | ■ <input checked="" type="checkbox"/> | ■ | ■ |
| Resources | ■ <input checked="" type="checkbox"/> | ■ | ■ |

Highlights & Accomplishments

December 2022

- Performance Harness MVP: Address ENF Peer Review
- Performance Harness Stage 2:
 - Performance test to est. thread count recommendations: net, chain, producer
 - Create test to verify nodeos <-> *PluginArgs config options an defaults
 - Update Perf. Test Basic *PluginArfs to fully reflect nodeos options/defaults
- S. Diesel met with OCI to discuss Stage 2 deliverables
- Update Perf Harness to work with 2.0 AND 2.1 release

January 2023

- Create baseline evaluation of Mandel 3.1 using Perf. Test Harness
- Create baseline evaluation of Leap 3.1 vs. 3.2 using Perf. Test Harness
- Convert directory and file paths to use pathlib

Key Milestones

| Description | Planned | Act/*Est |
|--|-------------|--------------|
| MVP: Output Evaluation | 30 APR 2023 | 26 OCT 2022 |
| +Milestones Complete.. | | |
| MVP: Run Harness | 23 DEC 2022 | 04 JAN 2023 |
| MVP: User Docs, Testing, Baseline Evaluation | 23 DEC 2022 | *13 JAN 2023 |
| Expand Transaction generator | 30 MAR 2023 | *30 MAR 2023 |
| Expand Run Harness Config Options | 30 MAR 2023 | *30 MAR 2023 |
| Multi-producer & "relay" or "canary" node config support | 30 MAR 2023 | *30 MAR 2023 |
| Include configurable "relay" nodes | 30 MAR 2023 | *30 MAR 2023 |
| Expand reporting to include multiple nodes | 30 MAR 2023 | *30 MAR 2023 |
| Begin Design Planning for migration to auto deployment | 30 MAR 2023 | *30 MAR 2023 |

Upcoming Activities / In Progress

- Support conf. trx type to send in trx generator through JSON translation description
- Analyze & Report - Number of complete production windows
- Analyze & Report - Number of dropped translations
- Analyze & Report - Number of dropped blocks during test on per node basic
- In Peer Review:
 - Add ability to specify contract to use during performance test
 - Analyze & Report - Number of forks and forked blocks during test/per node basis

Complete ■
 In Progress ■
 Backlog ■

- > + ENFS-322 Perf Harness MVP - User Docs & Testing & Baseline Evaluation
- > + ENFS-587 Perf Harness - Stage 2

Issues / Risks / Escalations

- Final details to be gathered for Performance Harness Stage 2 - resolved

- > + 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

| | | | |
|------------------|--------------------------------------|-------------------------------------|------------------------------------|
| Schedule | ■ | <input checked="" type="checkbox"/> | ■ |
| Scope | ■ | <input checked="" type="checkbox"/> | ■ |
| Resources | ■ | <input checked="" type="checkbox"/> | ■ |

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
- M. Witherspoon provided comments indicating further research is require
- Convert filesystem usage from hard-coded 'var/lib' to ctest test name
- executed the npm clean install and build required to update the Javascript

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 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

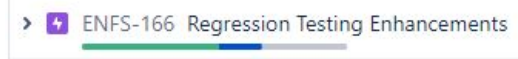
Upcoming Activities / In Progress

- Migrate launcher: move nodeos process control fully into Node.py.
- Migrate launcher: port cluster bootstrap from sh
- Add ability to specify nodeos path
- M. Witherspoon to advise on Minification:
 - commit update ver. as-is or reverse eng. minification to reproduce a min. version

Issues / Risks / Escalations

- Research and direction from Z. Buttler/M. Witherspoon to proceed - **blocked**
 - Convert network usage to use Linux namespace for isolation - **blocked**
 - Migrate launcher: port cluster launcher - **blocked**
- Upcoming Activities currently blocked for ENF research - **monitor**
- Minification causing larger than expected minimal diff - **monitor**

Complete ■
 In Progress ■
 Backlog ■



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

December 2022

- EVM: nodeos_trust_evm_test.py force eosio to fork, debug unwind functionality
- Leap 4.0: Export eosio_testing with modern cmake.
- Leap 4.0: Report more info on tx_cpu_usage_exceeded exceptions
- Leap 4.0: Set deadline timer for subjective CPU limit

January 2023

- 4.0 Fix nodeos v2 performance harness support
- 3.2: Syncing sometimes stops on Sync wait timeout

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 |

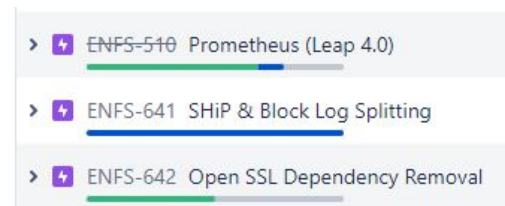
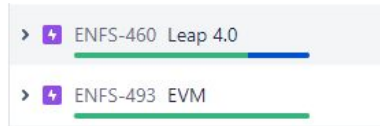
Upcoming Activities / In Progress

- Prometheus: Instrument Chain Plugin to publish relevant metrics
- Prometheus: Stand up Prometheus Instance
- M. Witherspoon to review 3.3 Blocklog Splitting PR
- In Peer Review:
 - 4.0: ~2x memory use when starting from snapshot w/ state history plugin enable
 - 3.2: Block propagation delay under load
 - 4.0: Use GitHub issue instead of #warning directives in api_tests.cpp
 - 4.0: Propagate block after header validation
 - 4.0: Subjectively bill for failed transactions during block production
 - Prometheus: Address comments on Prometheus Plugin architecture document
- OCI to restructure Prometheus epic based on ENF feedback

Issues / Risks / Escalations

- Staff Aug. task schedules may be impacted by other projects hierarchy - *approved*
- M. Witherspoon currently unable review 3.3 Blocklog Splitting PR:
 - Blocklog Splitting - *blocked*
 - Ship Log Splitting - *blocked*
 - Bring Ship protocol from abieos to Leap - *blocked*
- Kevin & Bart in discussions with ENF on how best to proceed with EVM - *monitor*
- Restructure Prometheus epic may impact to scope and schedule - *monitor*

Complete 
 In Progress 
 Backlog 



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

December 2022

- System badges finalized: Admin, Enroller, Treasurer, Northstar + Custom badges
- Badge Frontend 90% finished, Backend 10% finished
- Badge Overview & Detail page 50% complete
- Badge backend for 4 Badge Types 25% done
- Dgraph k8 deployment for EOS ready for testing
- EOS graph database established, ready for testing
- Changes to Badge detail page implemented: system and freeform user badges
- Badge overview page development complete
- Launch Dgraph k8 deployment for EOS successfully launched on testnet

January 2023

- EOS graph database production moved from AWS to cloud, installation complete

Key Milestones

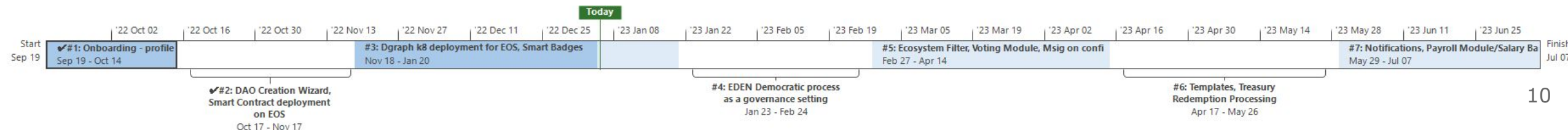
| Description | Planned | Act/*Est |
|--|-------------|--------------|
| #1: Onboarding - profile service deploy for EOS, Mobile Version, Pricing Model +Freemium, staking and burning | 14 OCT 2022 | 13 OCT 2022 |
| #2: DAO Creation Wizard, Smart Contracts deploy on EOS | 25 NOV 2022 | 17 NOV 2022 |
| #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

- Proposal creation wizard Badge Type & Assignment 60% complete
- EOS graph database testing 80% complete
- Badge Backend 70% complete, Badge Frontend 70% complete
- Hypha DAO recipe for EDEN election (UpVote) proposal awaiting team approval
- Hypha to share recipe proposal with the EDEN team
- UpVote design specs will begin week 16 JAN, technical specs in progress

Issues / Risks / Escalations

- Front end beta deployment to EOS to include with Milestone #4 - **accepted**
- Conflict with EOS Costa Rica team to help validate Milestone #4 - **monitor**
- Hypha submitted additional questions for clarity around Milestone #4 - **resolved**
- J. Stroh to assume PM role from L. Herma in 2023 - **accepted**



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

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
- Blockscout explorer integration to sandbox
- Token business model analysis drafted
- Post-deployment checklist completed
- UI Support for Staking deployed (UAT testing)

January 2023

- Set-up 2nd sandbox environment, test and verify
- Fixes for gas usage consensus bug, forking issue, and threading issues
- Token compatibility PR put up
- Business decision to transition to an EOS VM model and simplify the token economy

Key Milestones

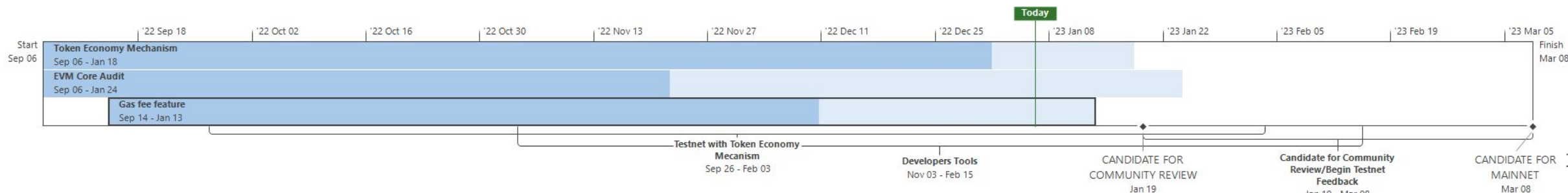
| Description | Planned | Act/*Est |
|---|-------------|--------------|
| Read Incentive System Design | 13 SEP 2022 | 13 SEP 2022 |
| +Milestones - Complete... | | |
| Variable Simulation Model | 08 NOV 2022 | 06 JAN 2023 |
| Gas fee feature | 11 NOV 2022 | *TBD |
| API Compatibility | 22 NOV 2022 | 15 NOV 2022 |
| Sentnl.io Audit | 23 DEC 2022 | *TBD |
| UI Support for Staking | 15 DEC 2022 | 23 DEC 2022 |
| Block Explorer Support Silkworm | 26 DEC 2022 | 23 DEC 2022 |
| 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

- Silkworm code debugging and pressure testing
- Testnet dry run
- Gas Price Algorithm
- Token Economy - bridging

Issues / Risks / Escalations

- Change of token economy model will impact scope and schedule - **under review**
- Token business model still being discussed - **resolved**
- Silkworm code maturity and stability may impact scope, schedule - **accepted**
- Non-EVM tasks generating schedule conflicts for EVM project - **monitor**





Scalability+

IBC (inter blockchain communication)

Origin

Report Date: 06 JAN 2023

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

| | | | |
|-----------|-------|-----------------------|--------------------|
| Schedule | Green | Yellow | Red with Checkmark |
| Scope | Green | Yellow with Checkmark | Red |
| Resources | Green | Yellow with Checkmark | Red |

Highlights & Accomplishments

November 2022

- Deployed eosio.ibc to UX public testnet
- Milestone #4 (Firehose + proof API server bundle) submitted for final approval

December 2022

- Release of Firehose + proof API server bundle
- External audit completed, no issues identified
- Meeting with Coalition to discuss upcoming deployment
- Milestone #4 completed, deliverable approved
- Decision made to proceed with IBC smart contracts standard naming conventions

January 2023

- G. Babin set-up MSIGs for BPs to prepare for IBC deployment

Key Milestones

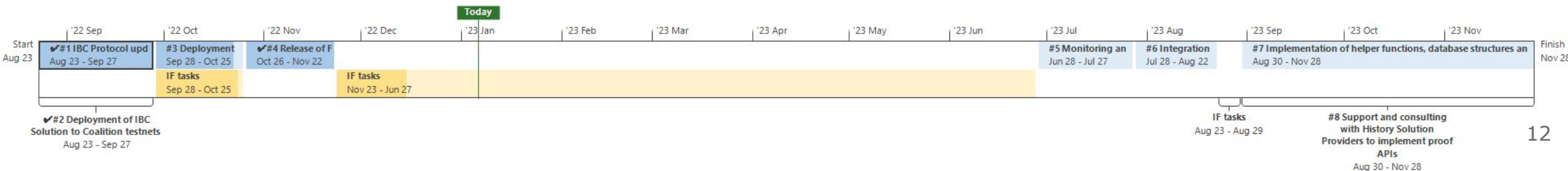
| Description | Planned | Act/*Est |
|---|-------------|--------------|
| #1 IBC Protocol updates | 27 SEP 2022 | 03 NOV 2022 |
| #2 Deployment IBC Solution to Jungle, Kylin testnet (+Wax, TLOS, UX) | 27 SEP 2022 | 27 SEP 2022 |
| #3 Deployment IBC solution to EOS, TLOS, WAX, UX | 25 OCT 2022 | *17 JAN 2023 |
| #4 Release of Firehose + proof API server bundle | 22 NOV 2022 | 15 DEC 2022 |
| #5 Monitoring and analysis tools | 27 JUL 2023 | *27 JUL 2023 |
| #6 Integration of IBC and Instant Finality | 22 AUG 2023 | *22 AUG 2023 |
| #7 Imp. of helper functions, database structures and API for proof generation in Nodeos | 28 NOV 2023 | *28 NOV 2023 |
| #8 Support & consult with History Solution Providers to imp. proof APIs | 28 NOV 2023 | *28 NOV 2023 |

Upcoming Activities / In Progress

- Add support for SHIP
- Z. Gall to support public zoom call with interested developers
- BPs to review IBC code, create 2-3 MSIGs to activate

Issues / Risks / Escalations

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





Scalability+

IF (Instant Finality)

Origin

Report Date: 06 JAN 2023

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 | ■ | <input checked="" type="checkbox"/> | ■ |
| Scope | ■ | <input checked="" type="checkbox"/> | ■ |
| Resources | ■ | <input checked="" type="checkbox"/> | ■ |

Highlights & Accomplishments

November 2022

- Adjustments to proofs (addition of finalizer set change safety proof) per feedback
- Final version proofs complete, ready to submit to A. Hayrapetian for review
- A. Hayrapetian requests to add new features to Linearly aggregable signatures

December 2022

- Hybrid build system supporting both Chia and Relic
- Redaction of consensus paper
- Pseudo-code and math proofs completed, submitted to A. Hayrapetian for review

January 2023

- Finalize definition of algorithm, preparation for implementation

Key Milestones

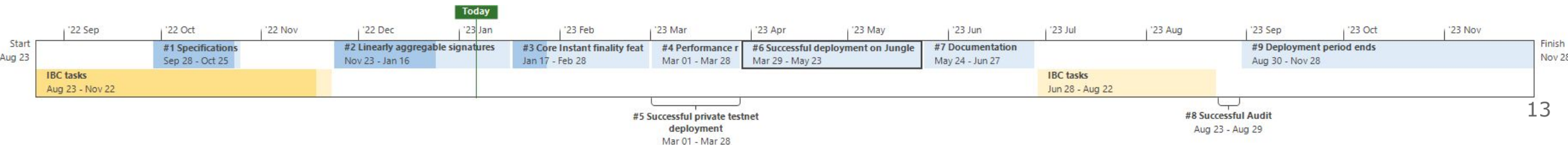
| Description | Planned | Act/*Est |
|--|-------------|--------------|
| #1 Specifications, test definitions, mathematical proofs, latency analysis | 25 OCT 2022 | *15 JAN 2022 |
| #2 Linearly aggregable signatures | 15 JAN 2023 | *15 JAN 2023 |
| #3 Core Instant finality features | 28 FEB 2023 | *28 FEB 2023 |
| #4 Performance review, #5 Successful private testnet deployment | 28 MAR 2023 | *28 MAR 2023 |
| #6 Successful deployment on Jungle public testnet | 23 MAY 2023 | *23 MAY 2023 |
| #7 Documentation | 27 JUN 2023 | *27 JUN 2023 |
| #8 Successful Audit | 29 AUG 2023 | *29 AUG 2023 |
| #9 Deployment period ends | 28 NOV 2023 | *28 NOV 2023 |

Upcoming Activities / In Progress

- HotStuff consensus mech. as base consensus algorithm near completion
- Addition, multiplication and exponentiation pairing-based cryptography primitives
- Approval of mathematical proofs
- A. Hayrapetian to review pseudo-code, provide feedback

Issues / Risks / Escalations

- Uncertain timing on Origin core dev onboard workshops from ENF/OCI - **accepted**
- Additional features added may push back 15 JAN 2023 milestone - **monitor**
- A. Hayrapetian currently unavailable for project requirements - **monitor**
- Origin staffing time-off will have minor impact to scheduling - **resolved**





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: 06 JAN 2023

Status Scorecard

| | | | |
|------------------|--------------------------------------|---------------------------------------|------------------------------------|
| Schedule | ■ | <input checked="" type="checkbox"/> | ■ |
| Scope | <input checked="" type="checkbox"/> | ■ | ■ |
| Resources | <input checked="" type="checkbox"/> | ■ | ■ |

Highlights & Accomplishments

December 2022

- Initial discussion/version of resources and balances portions of the Account Kit
- documentation engine for website (mdsvex, markdoc, etc) evaluation
- Creation of standalone demos for Session Kit server
- Published Brand Kit webpage on wharfkit.com
- Repaired non-Wharf SDKs eosio-core issues to support Sessions Kit, Milestone #2

January 2023

- SessionKit 0.1.1 published
- Session Kit's TransactPlugin template published
- ResourceProvider plugin for Session Kit early release
- New blog section on WharfKit.com released
- Resolved blockers by non-Wharf SDKs dependencies
- First usage blog post for Session Kit completed

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 | *30 JAN 2023 |
| #3 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)
- Discussion around potential re-prioritization of priorities to ease eosjs/ual transition
- SessionKit 0.2.0 release target
- Design of UI elements for SessionKit

Issues / Risks / Escalations

- Milestone #2 schedule past due, deliverables still in progress - **monitor**
- Discussion around resequencing milestones, no impact to scope - **accepted**
- Sessions Kit, Milestone #2 currently blocked by non-Wharf SDKs issues - **resolved**



The background features a complex network of thin, light blue lines connecting various points, creating a web-like structure. Overlaid on this are several semi-transparent, light blue geometric shapes, primarily triangles and quadrilaterals, some of which are larger and more prominent than others. The overall aesthetic is clean, modern, and technical.

Operations Metrics

Operations Scorecard

(Rolling 12 months)

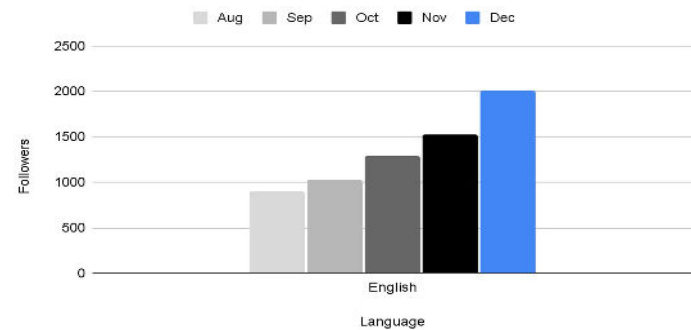
| Area / Metrics | Link | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
|--------------------------------------|------|-------|-----------|----------|-----------|----------|-------------|------|-----|-----|-----|-----|-----|
| Market Funding | | | | | | | | | | | | | |
| Direct Grants Fully Approved (#) | + | | 2 | 2 | 0 | 0 | 1 | 0 | | | | | |
| Direct Grants Fully Approved (\$) | | | \$55,000 | \$39,416 | \$0 | \$0 | \$10,000 | \$0 | | | | | |
| Direct Grants Rejected (#) | | | 5 | 2 | 7 | 1 | 7 | 0 | | | | | |
| Direct Grants Rejected (\$) | | | \$218,000 | \$54,000 | \$782,000 | \$50,000 | \$1,093,785 | \$0 | | | | | |
| Direct Grants Processing Time (days) | | | 89 | 59 | 89 | 118 | 74 | 0 | | | | | |
| Community Engagement | | | | | | | | | | | | | |
| # of Articles / Stories published | + | | 82 | 166 | 170 | 228 | 167 | | | | | | |
| # of Surveys completed | | | 2 | 1 | 1 | 0 | 0 | | | | | | |
| # of Giveaway show participants | | | 48 | 117 | 150 | 90 | 69 | | | | | | |
| # of Twitter/Telegram Followers | | | 1,094 | 1,309 | 1,610 | 1,878 | 3,132 | | | | | | |
| # of Tweets / Posts | | | 34 | 215 | 206 | 234 | 514 | | | | | | |
| # of Social Media Engagements | | 1,228 | 6,539 | 9,320 | 8,929 | 7,958 | | | | | | | |
| Antelope Regression Metrics | | | | | | | | | | | | | |
| First Pass Yield (WF Runs) | + | | 84% | 77% | 82% | 96% | 95% | 100% | | | | | |
| | | | | | | | | | | | | | |

EOS Support Twitter Metrics

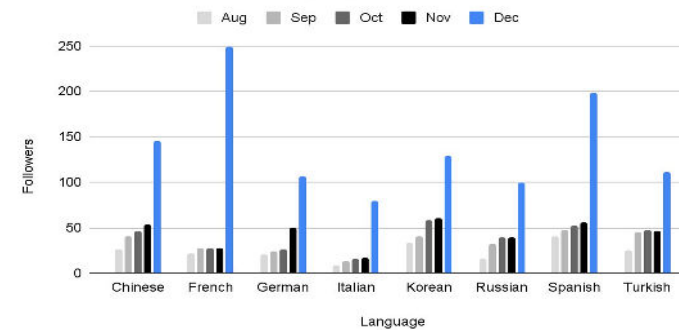
| Metric | Language | Aug | | | Sep | | | Oct | | | Nov | | | Dec | | | Jan | | |
|-------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Count | % Chg | % Eng | Count | % Chg | % 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% | 146 | 170% | 7% | | | |
| | English | 902 | | 100% | 1,036 | 15% | 100% | 1,295 | 25% | 100% | 1,525 | 18% | 100% | 2,014 | 32% | 100% | | | |
| | French | 22 | | 2% | 28 | 27% | 3% | 28 | 0% | 2% | 28 | 0% | 2% | 249 | 789% | 12% | | | |
| | German | 20 | | 2% | 24 | 20% | 2% | 27 | 13% | 2% | 50 | 85% | 3% | 106 | 112% | 5% | | | |
| | Italian | 9 | | 1% | 14 | 56% | 1% | 16 | 14% | 1% | 17 | 6% | 1% | 80 | 371% | 4% | | | |
| | Korean | 33 | | 4% | 41 | 24% | 4% | 58 | 41% | 4% | 61 | 5% | 4% | 129 | 111% | 6% | | | |
| | Russian | 16 | | 2% | 32 | 100% | 3% | 40 | 25% | 3% | 40 | 0% | 3% | 99 | 148% | 5% | | | |
| | Spanish | 41 | | 5% | 48 | 17% | 5% | 52 | 8% | 4% | 56 | 8% | 4% | 198 | 254% | 10% | | | |
| | Turkish | 25 | | 3% | 45 | 80% | 4% | 48 | 7% | 4% | 47 | -2% | 3% | 111 | 136% | 6% | | | |
| Tweets | Chinese | 3 | | 30% | 23 | 667% | 77% | 21 | -9% | 58% | 26 | 24% | 87% | 54 | 108% | 81% | | | |
| | English | 10 | | 100% | 30 | 200% | 100% | 36 | 20% | 100% | 30 | -17% | 100% | 67 | 123% | 100% | | | |
| | French | 3 | | 30% | 24 | 700% | 80% | 21 | -13% | 58% | 25 | 19% | 83% | 53 | 112% | 79% | | | |
| | German | 3 | | 30% | 23 | 667% | 77% | 22 | -4% | 61% | 27 | 23% | 90% | 56 | 107% | 84% | | | |
| | Italian | 3 | | 30% | 23 | 667% | 77% | 21 | -9% | 58% | 25 | 19% | 83% | 57 | 128% | 85% | | | |
| | Korean | 3 | | 30% | 23 | 667% | 77% | 21 | -9% | 58% | 25 | 19% | 83% | 54 | 116% | 81% | | | |
| | Russian | 3 | | 30% | 23 | 667% | 77% | 22 | -4% | 61% | 26 | 18% | 87% | 58 | 123% | 87% | | | |
| | Spanish | 3 | | 30% | 23 | 667% | 77% | 21 | -9% | 58% | 25 | 19% | 83% | 57 | 128% | 85% | | | |
| | Turkish | 3 | | 30% | 23 | 667% | 77% | 21 | -9% | 58% | 25 | 19% | 83% | 58 | 132% | 87% | | | |
| Engagements | Chinese | 52 | | 6% | 307 | 490% | 9% | 234 | -24% | 4% | 133 | -43% | 2% | 163 | 23% | 3% | | | |
| | English | 806 | | 100% | 3,404 | 322% | 100% | 6,584 | 93% | 100% | 6,504 | -1% | 100% | 5,514 | -15% | 100% | | | |
| | French | 31 | | 4% | 193 | 523% | 6% | 75 | -61% | 1% | 23 | -69% | 0% | 105 | 357% | 2% | | | |
| | German | 101 | | 13% | 500 | 395% | 15% | 361 | -28% | 5% | 549 | 52% | 8% | 399 | -27% | 7% | | | |
| | Italian | 41 | | 5% | 112 | 173% | 3% | 60 | -46% | 1% | 47 | -22% | 1% | 237 | 404% | 4% | | | |
| | Korean | 70 | | 9% | 612 | 774% | 18% | 912 | 49% | 14% | 833 | -9% | 13% | 623 | -25% | 11% | | | |
| | Russian | 34 | | 4% | 383 | 1026% | 11% | 295 | -23% | 4% | 224 | -24% | 3% | 169 | -25% | 3% | | | |
| | Spanish | 71 | | 9% | 438 | 517% | 13% | 341 | -22% | 5% | 296 | -13% | 5% | 428 | 45% | 8% | | | |
| | Turkish | 22 | | 3% | 590 | 2582% | 17% | 458 | -22% | 7% | 320 | -30% | 5% | 320 | 0% | 6% | | | |

EOS Support Metrics

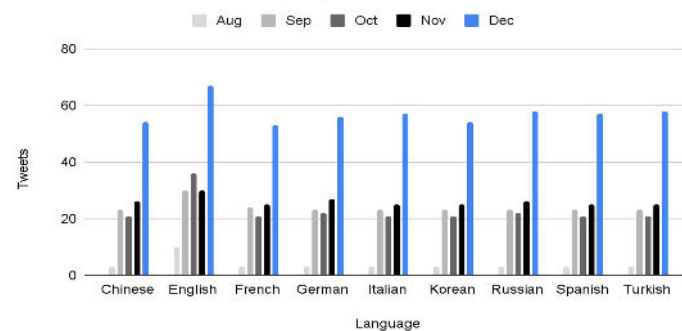
How many followers per language per month?



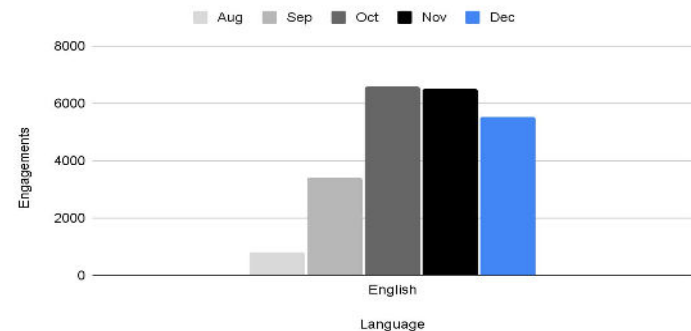
How many followers per language per month?



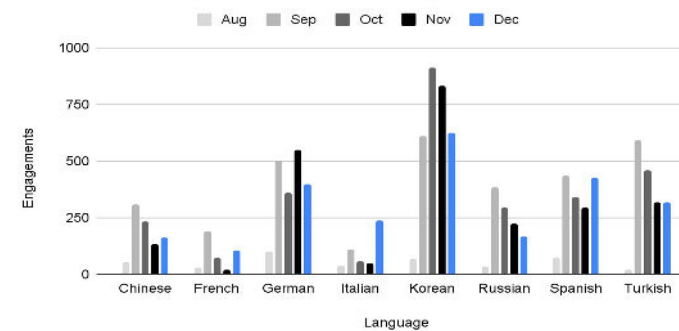
How many tweets per language per month?



How many engagements per language per month?



How many engagements per language per month?



Review of Contracts, RFP and Grants status for week of 09 JAN 2023

Status Scorecard

| | | | |
|------------------|---|--|--|
| Schedule | ✓ | | |
| Scope | ✓ | | |
| Resources | ✓ | | |

Highlights & Accomplishments

Contracts

- Huxley Recruitment Agreement Fully Executed

RFP

- RFP#0009 RAM limitation fixes bid due date changed to 17 Jan

Grants

- N/A

Status Overview

| Area | Document | Status | Notes |
|-----------|------------------------------|------------------|--|
| Contracts | Market Across | Work in Progress | Pending Patty's first round review. |
| Contracts | Zaisan Addendum | Work in Progress | Patty is adding proposal from Zaisan |
| RFP | RAM Limitation Fixes | Work in Progress | Bid Submission, Meeting with Coalition & Award pushed back |
| RFP | P2P Peer Discovery | Work in Progress | Meeting with Coalition & Award pushed back |
| RFP | Huxley Recruitment Agreement | Done | Fully Executed |

Upcoming Activities / In Progress

Contracts

- Creating Vendor Contract process

RFP

- RFP#0010 Provable State Domains

Grants

- Continuing to finalize/close out Ideathon winner payments
- Grant Intake Process
- KYC/review process for Ideathon winners (90% complete)

Issues / Risks / Escalations

- N/A