



**EOS Network
Foundation**

Program and Operations Health Report

06 JAN 2023

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 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, with a color palette dominated by various shades of blue on a white background.

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.

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: 06 JAN 2023			
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

- 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

Upcoming Activities / In Progress

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

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

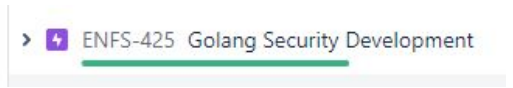
Issues / Risks / Escalations

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

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

Schedule			
Scope			
Resources			

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	<div></div>	<div>✓</div>	<div></div>
Scope	<div></div>	<div>✓</div>	<div></div>
Resources	<div></div>	<div>✓</div>	<div></div>

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

>  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

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

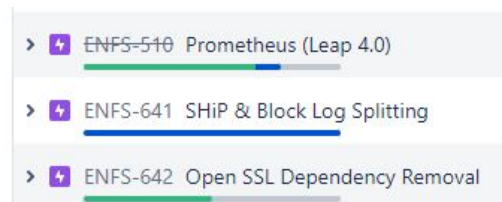
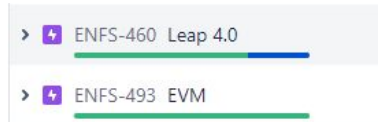
Issues / Risks / Escalations

- 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

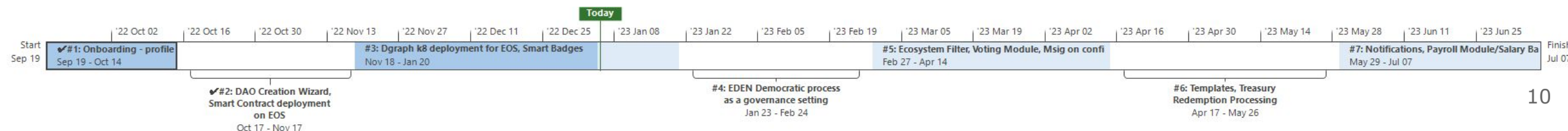
Description	Planned	Act/*Est
#1: Onboarding - profile service deploy for EOS, Mobile Version, Pricing Model +Freemium, staking and burning	14 OCT 2022	13 OCT 2022
#2: DAO Creation Wizard, Smart Contracts deploy on EOS	25 NOV 2022	17 NOV 2022
#3: Dgraph k8 deployment for EOS, Smart Badges	20 JAN 2023	*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**



TrustEVM

TrustEVM

ENF

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

Report Date: 06 JAN 2023

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

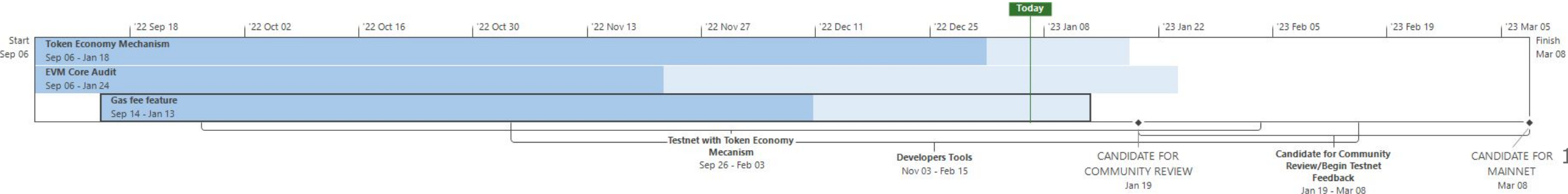
Key Milestones		
Description	Planned	Act/*Est
Read Incentive System Design	13 SEP 2022	13 SEP 2022
+Milestones - Complete...		
Variable Simulation Model	08 NOV 2022	06 JAN 2023
Gas fee feature	11 NOV 2022	*TBD
API Compatibility	22 NOV 2022	15 NOV 2022
Sentnl.io Audit	23 DEC 2022	*TBD
UI Support for Staking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

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

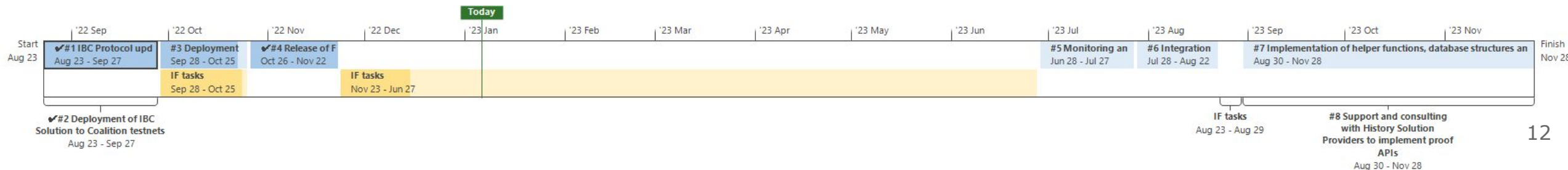
Description	Planned	Act/*Est
#1 IBC Protocol updates	27 SEP 2022	03 NOV 2022
#2 Deployment IBC Solution to Jungle, Kylin testnet (+Wax, TLOS, UX)	27 SEP 2022	27 SEP 2022
#3 Deployment IBC solution to EOS, TLOS, WAX, UX	25 OCT 2022	*17 JAN 2023
#4 Release of Firehose + proof API server bundle	22 NOV 2022	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		✓	
Scope		✓	
Resources		✓	

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

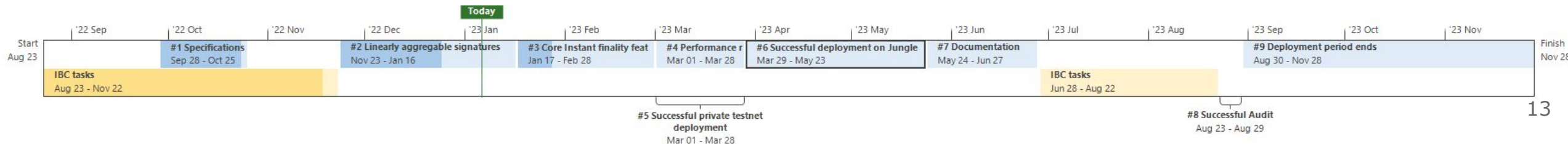
Description	Planned	Act/*Est
#1 Specifications, test definitions, mathematical proofs, latency analysis	25 OCT 2022	*15 JAN 2022
#2 Linearly aggregable signatures	15 JAN 2023	*15 JAN 2023
#3 Core Instant finality features	28 FEB 2023	*28 FEB 2023
#4 Performance review, #5 Successful private testnet deployment	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		✓	
Scope	✓		
Resources	✓		

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

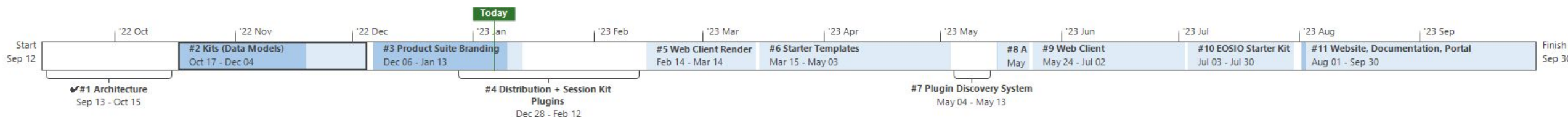
Description	Planned	Act/*Est
#1 Architecture	15 OCT 2022	17 OCT 2022
#2 Kits: Account, Contract, Session (Transact)-Data Models	04 DEC 2022	*30 JAN 2023
#3 Product Suite Branding	13 JAN 2023	*13 JAN 2023
#4 Distribution + Session Kit Plugins	12 FEB 2023	*12 FEB 2023
#5 Web Client Renderer / UI Spec	14 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**



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Operations Metrics

Operations Scorecard

(Rolling 12 months)

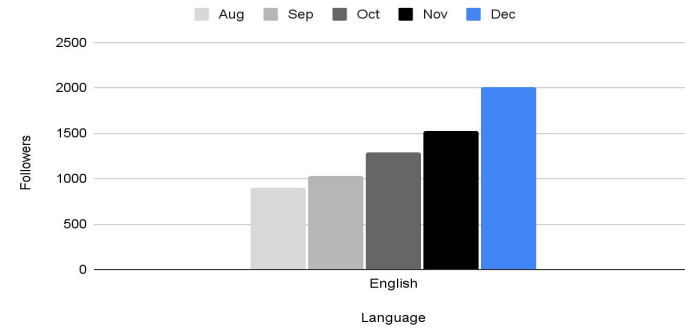
Area / Metrics	Link	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Market Funding													
Direct Grants Fully Approved (#)	+		2	2	0	0	1	0					
Direct Grants Fully Approved (\$)			\$55,000	\$39,416	\$0	\$0	\$10,000	\$0					
Direct Grants Rejected (#)			5	2	7	1	7	0					
Direct Grants Rejected (\$)			\$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

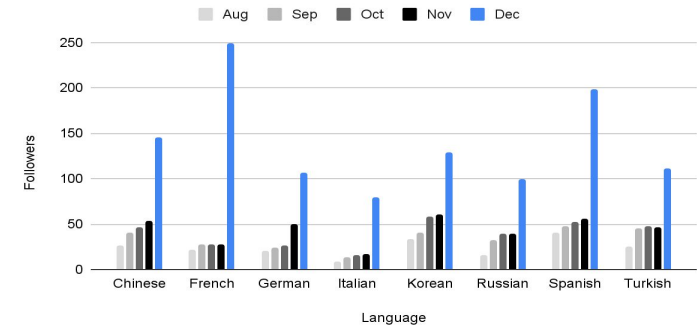
Metric	Language	Aug			Sep			Oct			Nov			Dec			Jan		
		Count	% Chg	% Eng	Count	% Chg	% Eng	Count	% Chg	% Eng	Count	% Chg	% Eng	Count	% Chg	% Eng	Count	% Chg	% Eng
Followers	Chinese	26		3%	41	58%	4%	46	12%	4%	54	17%	4%	146	170%	7%			
	English	902		100%	1,036	15%	100%	1,295	25%	100%	1,525	18%	100%	2,014	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

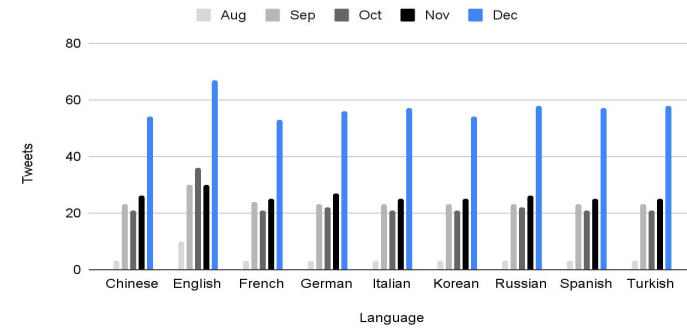
How many followers per language per month?



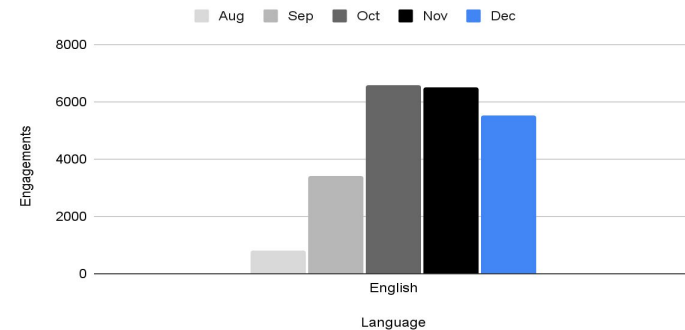
How many followers per language per month?



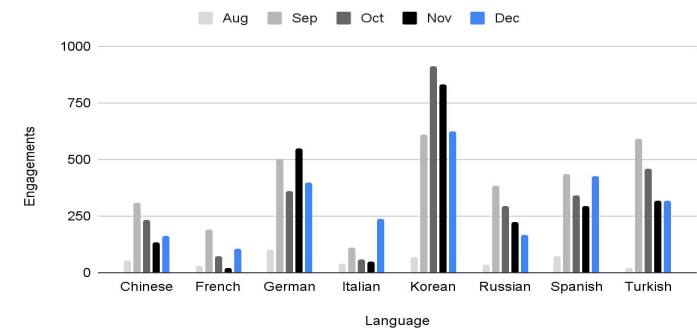
How many tweets per language per month?



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