



**EOS Network
Foundation**

Program and Operations Health Report

04 AUG 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 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 more prominent than others. The overall aesthetic is clean, modern, and tech-oriented.

New Initiatives

Q4 2023 Release 5.0

Report: 04 AUG 2023

Projects +	Summary Details	Updates	Status	Coding	Peer Review	Code Freeze	Integration Testing	Release Candidate
Leap								
IF (Instant Finality)	Instant Finality implements near-immediate byzantine fault-tolerant deterministic finality as part of the core EOSIO protocol in order to improve responsiveness of application	Milestone #1 in review, feedback provided on updates/changes to the proofs	Blocked					
IBC (inter blockchain communication)	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)	Finalize Light Client Proof verification code	Good					
P2P Peer Discovery	Implement improvements to peer node discovery and synchronization processes within the peer-to-peer (P2P) protocol of the nodeos service		At Risk					
P2P Improvements	Milestones: improve sync time for new/restarted node; reduce number of steps for new node configurations; improve transactions reliability and speed.	Milestone #4 completed, reworking milestones #2 & #3 after blocker Antelope PR 1142 merged	Blocked					
Automated Replay Test	Antelope Core developers run an automated replay test from Genesis within one day to confirm consensus and uptime reliability.	Completed AWS configurations milestone. Project implementation in progress with 9/2023 target complete date.	Good					
Enhance WASM parallelization	Supports EOS users by changing eos-vm runtimes (resolving resource limits) resulting in increases to number of concurrent WASM executions.	EOS VM OC configurations (in-progress). Project implementation in progress with 9/2023 target complete date.	Good					
Reproducible Pinned Builds	Milestones: minimize modifications to existing pinned build scripts; integrate scripts into Antelope Leap's CI; use existing fleet of runners for resource utilization.	Moved to Leap 6.0.	Blocked					
Additional Components								
IP port configuration for nodeos HTTP endpoints	Enhances node operator nodeos endpoints, resulting in flexible IP and port configurations. This includes customized IP addresses/hostnames/ports for nodeos endpoints and Unix socket paths for secure local-only connections.	Completed	Good	05 MAY 2023	22 MAY 2023			
IPv6 Everywhere	Supports node operators for IPv6 addresses and IPv6 P2P traffic by eliminating limitations associated with IPv4 addresses resulting in improved efficiency running multiple nodes.	Completed	Good	03 MAY 2023	18 MAY 2023			
Selectively Leverage EOS VM OC	EOS and EVM users can use an auto optimistic concurrency (OC) mode as default setting resulting in performance boost, improved transaction execution, and enhanced scalability/efficiency to build blocks and speculative transaction executions.	Completed	Good	08 JUN 2023	20 JUN 2023			

Good

At Risk

Blocked

Project Health Scorecard

Project	Headline	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ENF Projects													
GoLang Security Port	COMPLETE - Antelope Leap v4.0.0 released	>>											
Performance Test Harness	COMPLETE - Antelope Leap v4.0.0 released	>>											
Performance Test Harness Stage 3	CICD simple manual dispatch workflow												
Regression Test Harness	Blocked - resources to focus on other project	>>											
P2P Improvements	Milestones# 2, #3 complete, in peer review												
OCI Staff Augmentation	Bug fix for trace_api_plugin block trace	>>											
Hypha - DAO	Feature to accept credit card payment added	>>											
EOS EVM Launch	COMPLETE - Launched	>>											
Leap Parallelize Speculative	COMPLETE - Antelope Leap v4.0.0 released	>>											
Hubspot	COMPLETE - HubSpot set up complete												
ENF Website Rebuild	DUD, FUNDAY to attend Graphic Mint sprints												
EOS EVM BD Funnel	COMPLETE - Launched												
EOS Network Rebranding	FUNDAY provided quotes for additional tools												
EOS EVM (v0.5)	COMPLETE - EVM v0.5.0												
Automated Replay Test (Chicken Dance)													
EOS EVM (Release v0.6.0)													
Enhance WASM parallelization													

Future

Good

At Risk

Issues

Past start date

Future End Date

Complete

Project Health Scorecard

Project	Headline	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Antelope Projects (Coalition)													
IBC	Finalize Light Client Proof verification code	>											
Instant Finality	Review Milestone #1, suggest proofs updates	>											
Wallet+ SDKs	v1.0.0 Session Kit released (major break)	>											
Antler/CDT	COMPLETE - CDT and Dune stable, released	>											
Coalition Ledger App	COMPLETE - Project paused												
P2P Peer Discovery	Ongoing deployment to public testnet												

Future

Good

At Risk

Issues

Past start date

Future End Date

Complete

Project Start Date: 02 FEB 2023**Project Summary:** Performance Harness Phase 3 will add more automation to build on previous Phases 1 & 2. Includes adding additional features and analysis capabilities, along with Cloud CI/CD**Note:** Previous Phases 1 & 2 included with Mar/Apr 2023 Leap 4.0 Release

Status Scorecard

Schedule			
Scope			
Resources			

Highlights & Accomplishments

May 2023

- Wire support for API Node and HTTP Transaction Generator into Perf. Harness
- Allow setting tps floor in performance_test
- Performance Test Basic report needs filed indication success/failure

June 2023

- Expand Performance Test reporting to indicate success/failure metrics
- HTTP Transaction Generator – Read-only transaction support
- API Node Documentation

July 2023

- CICD support for previous versions of nodeos for Performance Harness

August 2023

- Simple manual dispatch workflow for PH in CICD

Upcoming Activities / In Progress

- API Node (HTTP Node) Operational Mode

Key Milestones

Description	Planned	Act/*Est
Baseline: EOS Mechanics CPU & RAM transactions	07 APR 2023	07 APR 2023
Block Producer Operational Mode	15 MAY 2023	19 MAY 2023
API Node (HTTP Node) Operational Mode	30 JUN 2023	*TBC
Relay Node Operational Mode	30 SEP 2023	*TBC
Canary Node Operational Mode	30 SEP 2023	*TBC
SHiP Node Operational Mode	30 SEP 2023	*TBC
Trace API Node Operational Mode	30 SEP 2023	*TBC
Performance Harness EVM	30 SEP 2023	*TBC

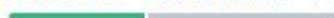
Issues / Risks / Escalations

- Perf Test project resources limited, prioritizing EVM Perf Harness - **escalated**

Complete

In Progress

Backlog

>  ENFS-793 Perf Harness - Phase 3

Antelope Upgrade

Regression Test Harness

OCI

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

Note: Architectural design outlines post-4.0 features

Report Date: 04 AUG 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

- May 2023**
- Python log truncated
 - Nodeos Process Controls PR #1182 review complete, code merged
 - Expose log truncations complete
- June 2023**
- Regression Test Harness tests failing, currently under review
 - Get test to pass in the current main Leap environment completed
 - Tests that failed w/ recent updates to main now passing, in Peer Review
 - Make use of send_transaction2 in Test Harness
- July 2023**
- No updates
- August 2023**
- No updates

Upcoming Activities / In Progress

- PAUSED** - teams allocated to different initiatives
- Add Python logging library to regression harness

Key Milestones		
Description	Planned	Act/*Est
Nodeos Process Controls	22 MAY 2023	22 MAY 2023
Make use of send_transaction2 in Test Harness <i>(replace Capture Nodeos logs into an archive)</i>	01 JUN 2023	23 JUN 2023
Migrate boilerplate into the test harness	15 JUL 2023	*TBC
Expose log truncation	17 JUL 2023	22 MAY 2023
Add Python logging library to regression harness	22 AUG 2023	*TBC
Improve debugging environment/artifact capture	15 SEP 2023	*TBC
Declarative configuration of cluster nodes	01 OCT 2023	*TBC

Issues / Risks / Escalations

- Regression Test project resources limited, prioritizing P2P - **blocked**

Complete

In Progress

Backlog



SOW2 ENF	Staff Augmentation	OCI
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, 4.0, 5.0 environments, and EOS EVM Note: Key milestone dates adjusted to reflect upcoming Aug/Sept 2023 Release		

Report Date: 04 AUG 2023			
Status Scorecard			
Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

- July 2023**
- Bug fixes (backport): Test failure: plugin_test
 - Bug fixes (backport): Block trx idle not being reported correctly
 - Bug fixes (Backport): Non-default options: help` printed for `nodeos --help`
 - Bug fixes (backport): remote_endpoint: Transport endpoint not connected except.
- August 2023**
- 5.0: Disable Replay Opts by default if statehist plugin enabled
 - 5.0: Add producer name to trx idle log message
 - 5.0: test failure: lobster test failure
 - 5.0: Investigate commented out unit tests
 - Bug fixes (backport):
 - trace_api_plugin block trace missing http-max-response-time-ms limit reached
 - remote_endpoint: Transport endpoint is not connected exception
 - EVM Perf Harness OCI onboarding
 - eos-evm-node repo integration test

Key Milestones		
Description	Planned	Act/*Est
+Milestones Complete..		
Leap 5.0 (all new feature work and bugs)	15 SEP 2023	*15 SEP 2023
Bug Fixes (backport)	TBC	*TBC
Instant Finality (Ad-hoc tasks TBC)	15 SEP 2023	*15 SEP 2023
EVM Performance Harness MVP Implementation	31 AUG 2023	*31 AUG 2023
EVM Performance Harness Graph Artifact Support	05 OCT 2023	*05 OCT 2023
EVM Performance Harness Documentation	12 OCT 2023	*12 OCT 2023

Upcoming Activities / In Progress

- Bug Fixes (backport): Speculative block repeatedly restarted near block boundary
- In Peer Review:
 - eos-evm repo generates WASM, abi files built binary archive for eos-evm contract
 - Update integration test to use eos-evm-miner instead of tx-wrapper

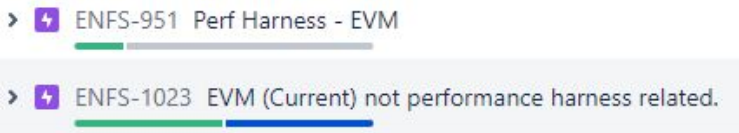
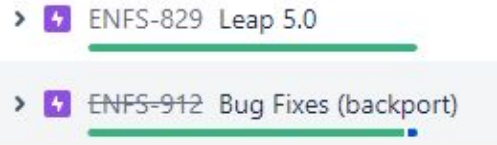
Issues / Risks / Escalations

- None

Complete 

In Progress 

Backlog 



	P2P Improvements	OCI
Project Start Date: 09 JUN 2023 Project Summary: Goals of P2P is to select and manage the appropriate peers to build the strongest and most robust network to improve the user experience and infrastructure efficiency for node operators on Antelope-based networks Link: https://github.com/eosnetworkfoundation/product/issues/2		

Report Date: 04 AUG 2023			
Status Scorecard			
Schedule			✓
Scope	✓		
Resources	✓		

Highlights & Accomplishments

- June 2023**
- Project documentation completed (Problem, Solution, Opportunity, Target audience)
 - PMO Admin: Define features for P2P Improvements, project team planning session
 - PMO Admin: Update milestone list with current estimates, story points
 - Completed Issue: P2P Improve Sync Behavior
 - Completed Issue: Enhance cluster_launcher test to support --plugin argument
- July 2023**
- Milestone #2, #3 ready for tests once boost is uploaded to main, Antelope PR#1142
 - Milestone #4, Allow use of multiple ports for P2P completed
- August 2023**
- Rework milestones #2, #3 after PR 1142 was merged to prep for pull request
 - Milestones# 2, #3 completed, up for peer review

Upcoming Activities / In Progress

- In Peer Review:
 - POC - Terminal-based UI tool for managing and monitoring P2P
 - Prometheus logging for P2P Peer Connection attributes

Key Milestones		
Description	Planned	Act/*Est
P2P sync improvements	09 JUN 2023	12 JUN 2023
POC: Terminal-based UI tools for managing/monitoring P2P	07 JUL 2023	*11 AUG 2023
Prometheus logging for P2P Peer Connection attributes	07 JUL 2023	*11 AUG 2023
Allow use of multiple ports for P2P	11 JUL 2023	28 JUL 2023
Ability to limit peer bandwidth consumption	21 JUL 2023	*11 AUG 2023
Ability to label internal vs external peers	04 AUG 2023	*18 AUG 2023
Set server limit for --sync-fetch-span	08 AUG 2023	*18 AUG 2023
Stop nodeos from syncing blocks from the network while snapshot in progress	14 AUG 2023	*18 AUG 2023
Execution/Refinement: Terminal-based UI tools for managing/monitoring P2P	07 SEP 2023	*07 SEP 2023

Issues / Risks / Escalations

- Resource planning may impact some features planned for 5.0 release - **accepted**
- Milestones #2 and #3 dependent on GitHub Antelope PR#1142 - **resolved**

Complete

In Progress

Backlog

ENFS-931

P2P Code Updates (Leap 5.0)

Project Start Date: 12 SEP 2022

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

Final Project Milestone: Warranty Period (x6): Payment dates TBC/coordinate with beta launch

Status Scorecard

Schedule			✓
Scope	✓		
Resources	✓		

Highlights & Accomplishments

July 2023

- Notifications feature completed
- Preparing for beta launch, remove friction of onboarding, change defaults
- Notification feature expand dGraph database to be main storage layer, query data
- Languages have been autotranslated for basic language selection
- Bug fixes to prepare for beta launch
- Milestone #7 development completed, in testing
- Milestone #7 presented to ENF for review
- Milestone #7 video presentation correcting bugs, demo on EOS Network completed

August 2023

- Config template for Eden Election, MS#4 modification design completed
- Add feature to accept credit card payment, convert to crypto currency
- Restructure Hypha website to prepare for beta, development stage
- Go/No Go criteria list developed for beta launch decision

Key Milestones

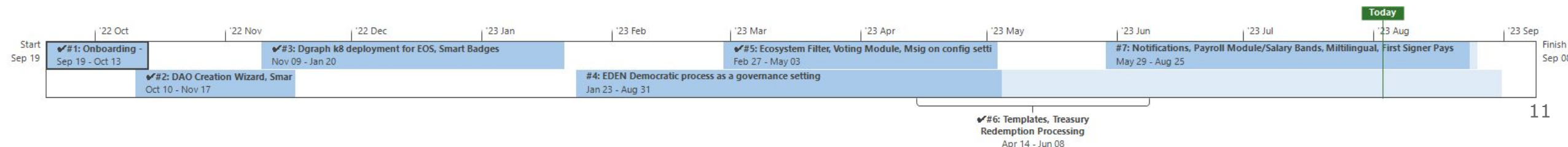
Description	Planned	Act/*Est
#1: Onboarding - profile service deploy for EOS, Mobile Version, Pricing Model +Freemium, staking and burning	14 OCT 2022	13 OCT 2022
#2: DAO Creation Wizard, Smart Contracts deploy on EOS	25 NOV 2022	17 NOV 2022
#3: Dgraph k8 deployment for EOS, Smart Badges	20 JAN 2023	03 FEB 2023
#4: EDEN Democratic process as a governance setting	24 FEB 2023	*31 AUG 2023
#5 Ecosystem Filter, Voting Module (Config Page), Msig on config settings, Policy Proposals, Quest Proposals, Circle Proposals	14 APR 2023	03 MAY 2023
#6 Templates Treasury, Redemption Processing	26 MAY 2023	06 JUN 2023
#7 Notifications, Payroll Modules/Salary Bands, Multilingual, First Signer Pays	07 JUL 2023	*25 AUG 2023

Upcoming Activities / In Progress

- Select company for security audit, Beta launch MVP
- Config template for Eden Election, MS#4 modifications in development
- Refactoring, rewriting after milestones complete to stabilize DAO
- Video program started, two recordings completed, addn'l topics in review
- Final Go/No Go decision for Beta launch
- Hypha members fine-tuning translation functions for various languages

Issues / Risks / Escalations

- Hypha to outline scope for Milestone #4, integrate into schedule - **resolved**
- Security company with EOS Contract experience for audit - **resolved**
- ENF to reassign new engineer for technical review - **resolved**
- Concern raised over refactoring that may impact previous deliverables - **accepted**
- Hypha to provide smaller contracts for EOS nodes testing - **resolved**
- ENF resources limited for milestone review - **escalated**
- Clarify any EOS Network requirements for Hypha to launch on Mainnet - **resolved**



Project Start Date: 07 FEB 2023

Project Summary: Rebuilding the EOS Network Foundation website www.eosnetwork.com

External Vendors: Graphic Mint, Double Up Digital, FUNDAY

Status Scorecard

Schedule	—	—	—
Scope	—	—	—
Resources	—	—	—

Highlights & Accomplishments

May 2023

- ENF explores option to run milestone deliverables in parallel, schedule rebaselining
- FUNDAY Branding Strategy, Brand Messaging presentation to ENF

June 2023

- WBS working session with DUD, planning for next web development phase
- Data and details for scope, project plans gathered for analysis

July 2023

- ENF, legal to confirm digital assets compliant w/ global data privacy laws resolved
- ENF leadership team approves pivot from website rebuild to website reskin scope
- ENF schedules upcoming Graphic Mint sprints 5 & 6
- FUNDAY, Double Up Digital confirm attendance for Graphic Mint sprints

August 2023

- No updates, preparing for upcoming Graphic Mint sprints

Key Milestones

Description	Planned	Act/*Est
#1 UX Design (Graphic Mint)	06 MAR 2023	06 MAR 2023
#2 Content Strategy, Information Architecture (Graphic Mint)	06 MAR 2023	06 MAR 2023
#3 Branding Strategy, Brand Messaging (FUNDAY)	07 JUN 2023	*01 AUG 2023
#4 UI Design, Design Systems (Graphic Mint)	23 JUN 2023	*TBC
#5 Web Content (ENF)	27 JUN 2023	*TBC
#6 Website Development (DUD)	22 AUG 2023	*TBC
#7 QA Review, testing (DUD)	30 AUG 2023	*TBC
#8 Website Launch (DUD)	31 AUG 2023	*TBC
#9 Post-Launch, Punch List (ENF, DUD)	16 SEP 2023	*TBC

Upcoming Activities / In Progress

- Update scope of work, Key Milestone dates to reflect changes approved by ENF
- Graphic Mint Sprints 5 & 6 to refocus on new reskin approach, 07 AUG - 21 AUG

Issues / Risks / Escalations

- Timelines, scope to be redefined after next Graphic Mint sprints - **escalated**
- Web reskin development dependant on Graphic Mint sprints #5, 6 - **blocked**

	EOS Network Rebranding	FUNDAY
Project Start Date: 15 MAR 2023 Project Summary: Rebranding project for EOS Network, EOS EVM		

Report Date: 04 AUG 2023			
Status Scorecard			
Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

- June 2023**
 - Brand package presentation rescheduled for 20 JUNE, impact to Milestone #3
- July 2023**
 - FUNDAY Brand package options presentation to ENF
 - ENF makes final selection on brand direction, path forward
 - ENF meeting with Funday to review final brand creative (colour pallets, fonts)
 - Review path to reach current logo iterations from current logo influence
 - ENF provides feedback to FUNDAY on logo colour schemes
 - B. Lovejoy, L. Buckley in direct contact with community to prep for announcement
 - Rebranding Announcement + Community Timeline - ZOOM/Fireside chat
- August 2023**
 - Campaign concepts
 - Update templates (digital assets, social, working docs) to be quoted by FUNDAY
 - FUNDAY provided quote for additional items, under review with ENF

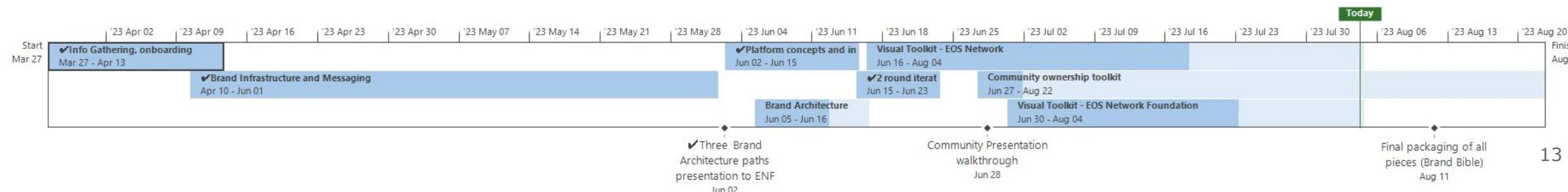
Upcoming Activities / In Progress

- Brand bible (arch and relationships, pillars, messaging)
- Final package hand-off from FUNDAY to ENF

Key Milestones		
Description	Planned	Act/*Est
Info Gathering, Onboarding	13 APR 2023	13 APR 2023
Three potential paths	02 JUN 2023	02 JUN 2023
Community Presentation	21 JUN 2023	26 JUL 2023
Content Strategy for ENF	30 JUN 2023	30 JUN 2023
Visual toolkit - EOS Network	27 JUL 2023	*04 AUG 2023
Visual toolkit - EOS Network Foundation	17 JUL 2023	*04 AUG 2023
Visual toolkit - EOS Token (descope)	25 JUL 2023	*25 JUL 2023
Community Ownership Toolkit	25 JUL 2023	*22 AUG 2023
Final Packaging of all pieces (Brand Bible)	31 JUL 2023	*11 AUG 2023

Issues / Risks / Escalations

- FUNDAY revised schedule on critical path, impacting timelines - *accepted*
- Milestone #3 postponed, no impact to timelines - *accepted*
- Parts of contract descope during previous renegotiations - *accepted*



Leap	Automated Replay Test (Chicken Dance)	ENF
<p>Project Start Date: 29 JUN 2023. Project Summary: Antelope Core developers run an automated replay test from genesis within 1 day to confirm consensus is maintained and uptime reliability continues. Link: https://github.com/eosnetworkfoundation/product/issues/91</p>		

Report Date: 04 AUG 2023			
Status Scorecard			
Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

July 2023

- Confirmed scope work breakdown, milestone definition, and schedule.
- Completed production solution design phase.
- Initiated AWS Configurations for Replay Test.

August 2023

- Completed AWS Configurations for Replay Test:
 - Created AWS S3 Bucket to store snapshots and blocklogs.
 - Setup S3 and grant permissions to accounts.

Key Milestones		
Description	Planned	Act/*Est
Chicken Dance Solution Design	20 JUL 2023	20 JUL 2023
AWS Configurations for Replay Test	01 AUG 2023	*03 AUG 2023
Blockslog and Snapshot	08 AUG 2023	*08 AUG 2023
Scripting for Replay Tests	28 AUG 2023	*28 AUG 2023
Run and Validate Replay Tests	31 AUG 2023	*31 AUG 2023

Upcoming Activities / In Progress

- Blockslog and Snapshot:
 - Gather Snapshot into equal chunks.
 - Gather Blockslogs from Genesis to current.

Issues / Risks / Escalations

- Upcoming staff PTO/vacation schedules - **accepted**
- Leap timeline (code complete target 15 SEP 2023) - **monitor**

Status Scorecard

Schedule	✓		
Scope	✓		
Resources	✓		

Project Start Date: April 2023 (Launch on mainnet) / June 2023 (Mainnet upgrade to 0.5)

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

Highlights & Accomplishments

July 2023

- Advanced trustless bridge design completed
- Transfer proxy service design drafted
- Repository refactor completed (merged)
- Bridge FE: tx hash mapping for EOS/EVM completed (deployed on Testnet)
- Discussion with CEXs: Gate.io has full EOS EVM integration

August 2023

- Email alerting setup for EVM Infrastructure health checks
- Work on findings from Blocksec (security audit and differential testing)
- Review scope of release v.0.6.0

Key Milestones

Description	Planned	Act/*Est
Features dev complete	SEP 2023	*SEP 2023
Transaction Hash Mapping for EOS EVM and EOS	JUL 2023	JUL 2023
EVM Contract Performance Test	JUL 2023	JUL 2023
Silkworm Version Upgrade	JUL 2023	JUL 2023
Advanced Trustless Bridge v1 - USDT (EOS) Support	AUG 2023	*AUG 2023
Bridge UX Localization v1	AUG 2023	*AUG 2023
Silkworm Unit Test Framework Updates	AUG 2023	*AUG 2023
Oracle Integration v1: Pyth Network	SEP 2023	*SEP 2023
Websocket Support Short-Term Investigation	SEP 2023	*SEP 2023
EOS EVM v0.6.0 release	SEP 2023 [TBC]	*SEP 2023 [TBC]

Upcoming Activities / In Progress

- Ongoing discussions with CEXs to upgrade for inline Tx
- Ongoing integration with Yield+ group
- Ongoing development of Advanced trustless bridge
 - Add call action #608
 - Silkworm changes to support advanced trustless bridge #609
 - Basic message emission mechanism of advanced trustless bridge #610
 - Initial iteration of eosio.erc2o contract #611
 - Continue development of eosio.erc2o contract #612
 - Complete MVP version of eosio.erc2o contract #613

Issues / Risks / Escalations

- Timeline is being built following rescoping of v0.6.0 release - **monitor**

Leap	Enhance WASM Parallelization	ENF
Project Start Date: 03 MAY 2023 Project Summary: Supports EOS users by changing eos-vm runtimes (resolving resource limits) resulting in increases to number of concurrent WASM executions. Link: https://github.com/eosnetworkfoundation/product/issues/149		

Report Date: 04 AUG 2023			
Status Scorecard			
Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

- July 2023**
- Completed design document for parallel read-only transaction execution.
 - Completed parallel read-only trx execution fallback for OC tier-up.
 - EOS VM Improvements:
 - Made compiled WASM code shareable across threads (thread safe).
- August 2023**
- Implement EOS VM Improvements:
 - Compiled WASM code for EOS VM JIT only once (was twice).
 - Use a single execution context per thread (was per contract) (coding).

Upcoming Activities / In Progress

- Implement EOS VM Improvements:
 - Setup to use a single execution context per thread (was per contract).

Key Milestones		
Description	Planned	Act/*Est
Design Parallel Read-only Transaction Execution Improvements	18 JUL 2023	18 JUL 2023
Implement EOS VM Improvements	21 AUG 2023	*21 AUG 2023
WASM validations	12 SEP 2023	*12 SEP 2023

Issues / Risks / Escalations

- Upcoming staff PTO/vacation schedules - *accepted*
- Leap timeline (code complete target 12 SEP 2023) - *monitor*



Scalability+

IBC (inter blockchain communication)

Origin

Report Date: 03 AUG 2023

Status Scorecard

Schedule	✓		
Scope	✓		
Resources	✓		

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)**Links:** <https://github.com/cryptomechanics> | <https://antelopeibc.io/> | <https://eosnetwork.com/ibc-using-eos/>

Highlights & Accomplishments

May 2023

- Team meeting to outline upcoming work, timelines and requirements
- Provide community support via Telegram channel for questions, issues

June 2023

- ENF Comms podcast and blog posts to announce IBC completed
- Continuing community support via Telegram channel for questions, mange issues

July 2023

- Origin and ENF planning session about IBC integration with IF, Leap 5.0 release
- Continuing community support via Telegram channel for questions, mange issues
- Planning session kicks-off IBC Technical AMA webinar

August 2023

- Review, finalize on Light Client Proof verification code, proceed with IBC integration

Key Milestones

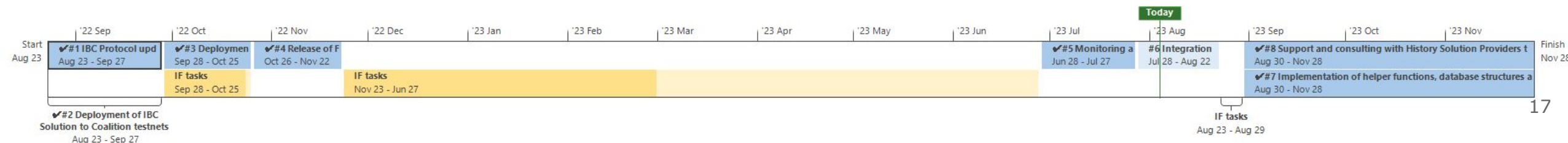
Description	Planned	Act/*Est
#1 IBC Protocol updates	27 SEP 2022	03 NOV 2022
+Milestones Complete..		
#4 Release of Firehose + proof API server bundle	22 NOV 2022	15 DEC 2022
#5 Monitoring and analysis tools: API to monitor contracts on+alert mechanism (<i>Coalition approved change</i>)	27 JUL 2023	07 APR 2023
#6 Integration of IBC and Instant Finality (<i>+IF milestone #5: Successful private testnet deployment</i>)	22 AUG 2023	*29 SEP 2023
#7 Imp. of helper functions, database structures and API for proof generation in Nodes (<i>Coalition approved change</i>)	28 NOV 2023	13 MAR 2023
#8 Support & consult w/ History Solution Providers to improve proof APIs: Firehose , State History Plugin , TraceAPI (<i>Coalition approved change</i>)	28 NOV 2023	07 APR 2023

Upcoming Activities / In Progress

- Z. Gall, N. James supporting Origin on Technical AMA call with interested developers
- Update IBC contracts to adapt to IF
- IBC planning for integration with IF, launch on testnet

Issues / Risks / Escalations

- None





Scalability+

IF (Instant Finality)

Origin

Report Date: 03 AUG 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

June 2023

- Initial lib feedback changes yielded significant performance improvements
- Y. Who and A. Hayrapetian completed MS#2 2nd review, feedback provided
- Final lib bug identified, solutioned for out of bound access issue

July 2023

- ENF proposed solution for issue under review, Origin counter solution proposed
- Addn'l Leap unit tests deal w/ garbage input passed into host functions completed
- Origin and ENF planning session about IBC integration with IF, Leap 5.0 release
- Upcoming milestone review planning, resource requirements identified
- Milestone #2 Linearly aggregable signatures reviews completed, approved

August 2023

- Decision approved for ENF Engineer to be added into upcoming sprints
- Review Hotstuff pseudo code, discussed changes to height code

Key Milestones

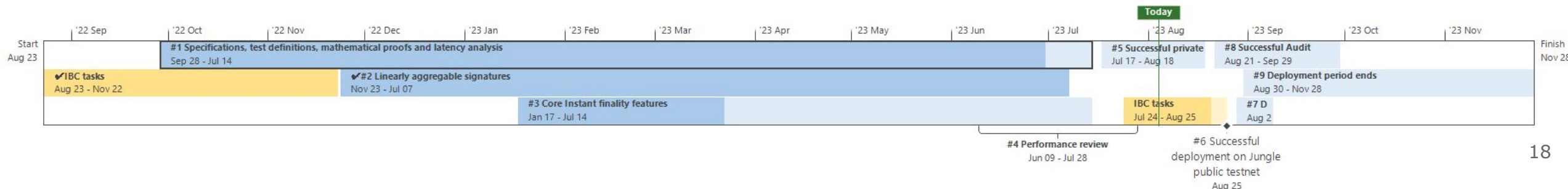
Description	Planned	Act/*Est
#1 Specifications, test definitions, mathematical proofs, latency analysis	25 OCT 2022	*11 AUG 2023
#2 Linearly aggregable signatures	15 JAN 2023	18 JUL 2023
#3 Core Instant Finality features (Hotstuff)	28 FEB 2023	*11 AUG 2023
#4 Performance review	28 MAR 2023	*25 AUG 2023
#5 Successful private testnet deployment (+IBC milestone #6 - IBC integrate to IF, Leap integration)	28 MAR 2023	*29 SEP 2023
#6 Successful deployment on Jungle public testnet	23 MAY 2023	*06 OCT 2023
#7 Documentation	27 JUN 2023	*27 OCT 2023
#8 Successful Audit	29 AUG 2023	*27 OCT 2023
#9 Deployment period ends (support with activation)	28 NOV 2023	*28 NOV 2023

Upcoming Activities / In Progress

- HotStuff core protocol consensus mech. as base consensus algorithm
- Core IF unit + integration tests, IF protocol feature activation
- Integration with Leap data structures
- A. Hayrapetian to provide edge cases for Core IF features
- Merge repos to Antelope.IO as source of truth

Issues / Risks / Escalations

- IF timeline critical to include feature with Antelope Leap v5.0. release - **escalated**





Wallet+

SDK (Software Development Kit)

Greymass

Project Start Date: 12 SEP 2022
Project Summary: Establish a series of core Antelope client protocols and create a suite of open-source Antelope web client SDKs.
Key milestones updated 01 FEB 2023 to v4 (Coalition approved)
Links: <https://github.com/wharfkit/> | <https://wharfkit.com/>

Report Date: 04 AUG 2023

Status Scorecard

Schedule		✓	
Scope	✓		
Resources	✓		

Highlights & Accomplishments

- July 2023
- Develop modernizing access to table data through Contract Kit
 - Contract kit PRs reviewed, merged for 0.2.0 release
 - Wharf website phase two development completed, ready for phased releases
 - Contract Kit 0.2.0, 0.3.0 released
 - 10 components of Antelope library completed
 - Antelope v0.7.3 library released for optimizations to API
 - 7 pull requests put up, 3 merged
 - Internal team sessions with new Greymass PM, GitHub Projects tracking
- August 2023
- v1.0.0 Session Kit released (major break) + Contract Kit prototype release
 - Research for multiple new kits to expand functionality, milestone #7
 - New sample code base for P2P client updated
 - Wharfkit.com website launched, active documentation is available
 - Socials and marketing efforts to promote website launch, Session Kit release
 - Infrastructure updates to prepare for Session Kit release

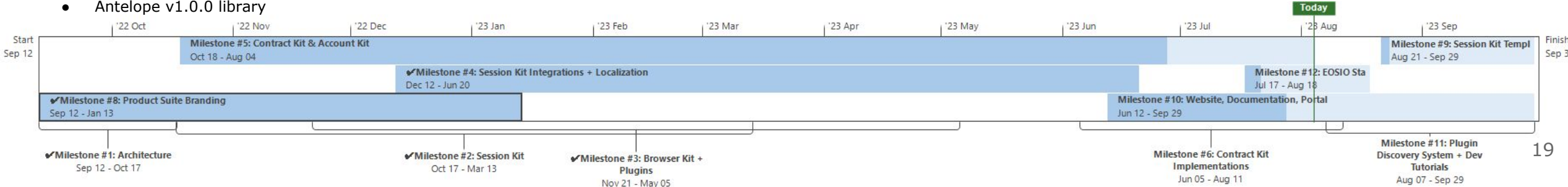
Key Milestones		
Description	Planned	Act/*Est
#1 Architecture	15 OCT 2022	17 OCT 2022
#8 Product Suite Branding	13 JAN 2023	11 JAN 2023
+Milestones Complete..	23 JAN 2023	13 MAR 2023
#5 Contract Kit + Account Kit (dynamic, code generation)	02 JUN 2023	*18 AUG 2023
#6 Contract Kit Implementations (dependency on #5)	07 JUL 2023	*TBC
#7 Contract Kit Templates (dependency on #5, #6)	22 JUL 2023	*TBC
#9 Session Kit Templates	29 SEP 2023	*29 SEP 2023
#11 Plugin Discovery System + Dev Tutorials	29 SEP 2023	*13 OCT 2023
#12 EOSIO Starter Kit	18 AUG 2023	*18 AUG 2023
#10 Website, Documentation, Portal	29 SEP 2023	*13 OCT 2023

Upcoming Activities / In Progress

- Documentation for Session Kit, Core Libraries (milestone #10)
- Development of Contract Kit code generation suite
- Contract Kit community feedback, iterations + changes
- Testing new kits solutions to expand functionality, milestone #7
- Validating external wallet, compatibility and building scatter plugin
- Antelope v1.0.0 library

Issues / Risks / Escalations

- No EOS external wallets using scatter available, Milestone #9 - **blocked**
- Milestone #7, #8 components under review, to discuss with Coalition - **resolved**
- New dependencies for milestones #6, #7 impacting *EST dates - **escalated**



**Project Start Date:** 02 FEB 2023 (Contract execution)**Project Summary:** The mandate of the project is to implement improvements to peer node discovery and synchronization processes within the peer-to-peer (P2P) protocol of the nodeos service**Status Scorecard**

Schedule			
Scope			
Resources			

Highlights & Accomplishments**June 2023**

- 1-June: Technical Specifications Document updated and test files created
- 9-June: Ongoing review of PR#918 (Peer discovery) by milestone approver
- 14-June: PR#918 (Peer discovery) with unit testing confirmed by milestone approvers
- 28-Jun: Ongoing local testing by Fudan team

July 2023

- 5-July: Completion of local testing (self-built 5-10 node testnet)
- 17-July: Creation of a testing outline documents for BPs
- 21-July: Discussion with EOSAsia and EOSNation for testnet requirements
- 24-July: Revision of milestones planning
- 26-July: Upgrade patch delivered and Jungle testnet contacted

August 2023

- 5-Aug: Call with ENF Engineering team to agree approach and next steps

Key Milestones

Description	Planned	Act/*Est
Contract Execution	02 FEB 2023	02 FEB 2023
Local GitLab and Local environment	01 MAR 2023	01 MAR 2023
Automated Peer Discovery and Management	29 MAR 2023	14 JUN 2023
Custom Chain Id / Alias Configuration	17 MAR 2023	17 MAR 2023
Peer Refreshing / Nodes Setting	29 MAR 2023	14 JUN 2023
Nodes Setting	29 MAR 2023	14 JUN 2023
Testing and delivery	22 MAY 2023	*SEP 2023
Readiness for deployment to main	23 AUG 2023	*23 AUG 2023
Public testnet deployment (with Leap 5.0)	08 AUG 2023	*SEP 2023
Deployment on mainnet (with Leap 5.0)	DEC 2023	*DEC 2023
End of maintenance and support	Mainnet+3mths	*Mainnet+3mths

Upcoming Activities / In Progress

- Resolve git merge conflicts for PRs and main branch
- Get code review from ENF engineer
- Resolve PR comments from ENF engineering

Issues / Risks / Escalations

- Definitions and dates of last contractual milestones to be revised to align with new approach coupling P2P with Leap 5.0 - **escalated**



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.

Operations Metrics










Operations Scorecard

(Rolling 12 months)

Area / Metrics	Link	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Market Funding													
Direct Grants Fully Approved (#)	+	2	0	3	1	1	2	0					
Direct Grants Fully Approved (\$)		\$275,000	\$0	\$233,000	\$10,000	\$10,000	\$65,000	\$0					
Direct Grants Rejected (#)		0	5	6	9	13	11	0					
Direct Grants Processing Time (days)		88	44	53	30	14	19	0					
Developer Relations													
# of DevRel tickets closed	+	9	20	21	17	16	4	1					
# of guides completed (Cumulative)		3	4	6	10	19	20	20					
# of videos completed (Cumulative)					2	2	2	2					
# of courses completed (Cumulative)					79	82	90	92					
# of docs new users		10	330	2,200	878	565	554	138					
# of learn new users		206	199	343	227	165	146	31					
Regression Metrics - Antelope													
First Pass Yield (WF Runs)	+	96%	95%	100%	95%	90%	88%	100%					

Operations Scorecard

(Rolling 12 months)

Area / Metrics	Link	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Community Engagement - EOS Support													
# of Articles / Stories published		+	98	120	89	84	188	305					
# of Surveys completed			1	0	0	0	0	0					
# of Giveaway show participants			188	177	99	90	173	80					
Business Development - Blockument													
Total Open Leads		+	326	368	440	579	590						
Projects in Commercials Discovery			163	182	210	240	250						
MoU Signed			6	7	8	9	10						
Demos / Prototypes in work			3	4	5	8	11						
Project SoWs Signed			0	0	0	0	0						
Projects deployed to Mainnet			0	0	0	0	0						
Recover+													
Dollar amount coverage	+			\$47,625,135	\$67,072,564	\$57,374,582	\$58,289,013						
Total number of Applications registered				23	23	23	23						

Review of Contracts, RFP and Grants status for week of 04 August 2023

Status Scorecard

Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

Contracts

- EOS Support ICA fully executed
- Fire Labs Limited (CryptoLions) MSA fully executed
- Nerve Network EOS EVM Vendor Deployment Agreement closed out

RFP

- None

Grants

- None

Status Overview

Area	Document	Status	Notes
Contracts	Blockchain Cuties EOS EVM ICA	In negotiations	Close to an agreement. CEO is OOO, Waiting to finalize.
Contracts	Crypto Lions MSA	Done	
Contracts	EOS Support ICA	Done	
Contracts	Nerve Network	Done	
Grants	Grant Request - Batch 32	In review	
Grants	Grant Request- Batch 33	Open	

Upcoming Activities / In Progress

Contracts

- Current Contracts Review
- Blockchain Cuties exceptions review

RFP

- None

Grants

- Reviewing incoming Grants and sending for translation.
- Grant Request Batch 32 in review
- Grant Milestone Payments

Issues / Risks / Escalations

- None



Completed Projects

(for reference only)

Project Start Date: 01 SEP 2022

Project Summary: BN256 library port from GoLang. GoLang Security Port, Port Go library to C++ for bn crypto library

Status Scorecard

Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

December 2022

- 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

February 2023

- HM. Huang has reviewed and implemented feedback provided in issue #11
- OCI and ENF to schedule a meeting to facilitate finalize code hand-off
- L. Huang, M. Witherspoon finalize code hand-off with HM. Huang
- All features have been merged into main for RC
- Antelope Leap v4.0.0 released

Upcoming Activities / In Progress


- **COMPLETE**

Key Milestones

Description	Planned	Act/*Est
Group & Implement GFP files (Port Golang to C++)	08 SEP 2022	08 SEP 2022
+Milestones Complete...		
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	21 FEB 2023
Code complete (release candidate)	01 APR 2023	20 MAR 2023
Code in production	01 APR 2023	25 APR 2023


Issues / Risks / Escalations

- None

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

Note: Key milestone dates adjusted to Mar/Apr 2023 Release. Phase 1 & 2 included with Mar/Apr 2023 Release

Status Scorecard

Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

March 2023

- Fix Usage of UserTrxDataFile with Performance Test
- Handle Exceptions occurring during runTest
- Create long-running test for performance_harness.py
- Performance Harness Code Review
- Coordinate TPS generation to direct traffic to specific node
- Merge Performance Harness Branch with Regression Testing Branch
- Release Fixes
- Fix bug- division by 0 and arg passing performance_test to performance_test_basic
- All v4.0 critical Phase 2 features are merged into main for RC
- Coordinate TPS generation to direct traffic to specific node

April 2023

- Re-examine use of logs for scraping data
- Final Phase 2 features complete, merged into main
- Antelope Leap v4.0.0 released

Key Milestones

Description	Planned	Act/*Est
MVP: Output Evaluation	30 APR 2023	26 OCT 2022
+Milestones Complete..		
Expand Transaction generator	01 MAR 2023	17 MAR 2023
Expand Run Harness Config Options	01 MAR 2023	17 MAR 2023
Multi-producer & "relay" or "canary" node config support	01 MAR 2023	17 MAR 2023
Include configurable "relay" nodes	01 MAR 2023	17 MAR 2023
Expand reporting to include multiple nodes	01 MAR 2023	17 MAR 2023
Begin Design Planning for migration to auto deployment	01 MAR 2023	17 MAR 2023
Code complete (release candidate)	01 APR 2023	06 APR 2023
Code in production	01 APR 2023	25 APR 2023

Upcoming Activities / In Progress

- COMPLETE

Complete

In Progress

Backlog

>  ENFS-587 Perf Harness - Phase 2

Issues / Risks / Escalations

- None

>  ENFS-319 Perf Harness MVP - Transaction Source

>  ENFS-320 Perf Harness MVP - Run Harness

>  ENFS-321 Perf Harness MVP - Output Evaluation

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

Leap

Parallelize Speculative Read-Only Trx Exec.

ENF

Project Start Date: 30 NOV 2022

Project Summary: Leap is a C++ implementation of the Antelope protocol. It contains blockchain node software and supporting tools for developers and node operators. Parallelize Speculative Read-Only Transaction Execution

Link: <https://github.com/AntelopeIO/leap>

Report Date: 28 APR 2023

Status Scorecard

Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

February 2023

- Organize operations into separate queues scheduled into two cycles completed
- Use thread pool to parallelize completed
- Develop parameterized timing model for cycles completed
- Recommend default timing parameters completed
- Initial PR put up for review for feedback

March 2023

- Finalized solution for EOS VM OC issue
- Received and implemented feedback from initial PR review
- Put up final PR for review
- Feedback received from last PR, comments addressed and integrated
- PR put up for final review
- Final feedback addressed, code merged into main for RC
- Antelope Leap v4.0.0 released

Key Milestones

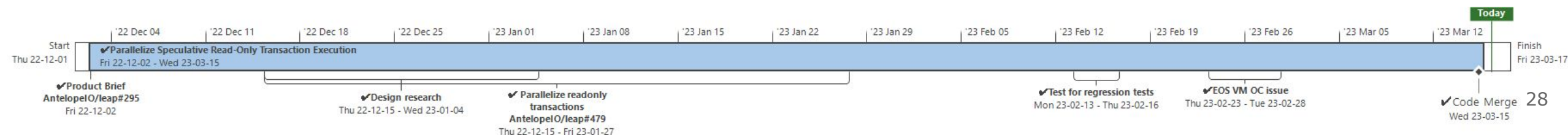
Description	Planned	Act/*Est
Parallelize Speculative Read-Only Transaction Execution	14 FEB 2023	15 MAR 2023
Code complete (release candidate)	01 APR 2023	15 MAR 2023
Code in production	01 APR 2023	25 APR 2023

Upcoming Activities / In Progress

- PROJECT COMPLETE

Issues / Risks / Escalations

- None



Project Start Date: 15 FEB 2023**Project Summary:** CRM platform to connect marketing and communications platforms together to focus on creating more awareness and fostering business development initiatives.

Status Scorecard

Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

March 2023

- DUD completed review of ENF website, repaired all broken feeds
- DUD provided a list of all fields that are not properly linked in HubSpot for review
- All users are added to new instance with current ENF emails
- Old instance has been deactivated, old data removed and no longer accessible

April 2023

- Review, import data provided by Zaisan
- Meeting with Marketing to discuss project blockers, next steps

May 2023

- Completed ABM configuration setup
- Set up business development funnel with appropriate properties and views
- Completed review of ENF user-level accesses, permissions
- Documentation of processes started, team discussion around key metrics to track

Upcoming Activities / In Progress

- **PROJECT COMPLETE**

Key Milestones

Description	Planned	Act/*Est
#1 Scope, Milestones, Stakeholder List, Project Schedule	17 FEB 2023	17 FEB 2023
+Milestones Complete..		
#4 DUD vendor reviews website connections	13 MAR 2023	13 MAR 2023
#5 Review user-level access, permissions, user emails	14 MAR 2023	12 MAY 2023
#6 Unify instances, close old instance	15 MAR 2023	15 MAR 2023
#7 Instance coding and setup	21 MAR 2023	12 MAY 2023
#8 Dashboard review, configuration & Data review, dashboard testing (to be addressed later)	22 MAR 2023	*TBC
#9 HubSpot Reporting (to be addressed later)	30 MAR 2023	*TBC
#10 Document Processes, Process Metrics	04 APR 2023	12 MAY 2023

Issues / Risks / Escalations

- None

Status Scorecard

Schedule	✓		
Scope	✓		
Resources	✓		

Project Start Date: September 2022 (new baseline) / January 2023 (new MVP scope)
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 / MVP scope amended

Highlights & Accomplishments

May 2023

- Testnet upgrade with v0.4-official
- Draft product roadmap for future releases
- Mainnet upgrade with v0.4-official
- Explorer update to 5.1.2
- Old Testnet (w/o Token economy) deprecation
- Deployment of 0.4.2 release
- Upgrade mainnet Explorer to v5.1.2
- Preparation of product roadmap and next minor release
- Security audit firm hired

June 2023

- Project complete, new Phase 1 scope identified:
 - Start of the additional security audit review
 - Deployment of v0.5-rc1 on Testnet

Upcoming Activities / In Progress

- **PROJECT COMPLETE**

Key Milestones

Description	Planned	Act/*Est
API Compatibility	22 NOV 2022	15 NOV 2022
+Milestones - Complete...		
Variable Simulation Model	08 NOV 2022	06 JAN 2023
Testnet Deployment Preparation	02 DEC 2022	16 DEC 2022
Silkworm Testnet without Token Economy	27 DEC 2022	19 JAN 2023
Bridging / Send EVM Action	24 JAN 2023	20 MAR 2023
Gas Fee Feature / Adjustable Base Gas Price	11 NOV 2022	20 MAR 2023
EVM Runtime Contracts Improvements	03 FEB 2024	10 FEB 2023
Additional Security Audit Review	23 DEC 2022	05 APR 2023
Candidate for Mainnet / Launch	08 MAR 2023	14 APR 2023

Issues / Risks / Escalations

- None



Project Start Date: 24 MAY 2023

Project Summary: Continue with HubSpot set up, supporting EOS EVM BD Funnel initiatives

Status Scorecard

Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

June 2023

- 2nd and 3rd email content to follow-up with original email campaign created
- Research paid and organic search keywords completed
- Landing page created
- Install Telegram into HubSpot
- Researched LinkedIn, Twitter integrations for HubSpot to determine suitability
- 4th email content to follow-up with original email campaign
- EVM Ecosystem deck
- Remaining tasks to be part of ongoing BD operations:
 - Write business KPIs for EOS EVM
 - Setup permissions schema
 - SWOT Analysis, market research
 - Create email content for GameFi focus
 - Ongoing curation of targeted lists
 - BD telegram outreach
 - Collect list of contacts from 3XP Conference, start outreach

Upcoming Activities / In Progress

- **PROJECT COMPLETE**

Key Milestones

Description	Planned	Act/*Est
HubSpot funnel definition	25 MAY 2023	25 MAY 2023
HubSpot ABM set up, configuration (<i>ABM set-up on hold</i>)	24 JUN 2023	02 JUN 2023
Staff training (<i>need to develop training program</i>)	02 JUN 2023	*02 JUN 2023
Initial email campaign	30 MAY 2023	30 MAY 2023

Issues / Risks / Escalations

- None



Status Scorecard

Schedule	✓		
Scope	✓		
Resources	✓		

Project Start Date: September 2022 (new baseline) / April 2023 (Launch on mainnet)

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

Highlights & Accomplishments

June 2023

- Deployment of v0.5-rc1 on Testnet
- Start of v0.5-rc1 testing phase
- Kickoff with Blocksec (security firm)
- Deployment of v0.5-rc2 on Testnet
- Start of the additional security audit review
- Product Roadmap / Vision list
- Draft of design for Advanced trustless bridge for EOS EVM
- Deployment of v0.5 on mainnet
- Engineering team reviews resource allocation
- Advanced trustless bridge for EOS EVM design
- Onboarding of Meson.fi
- Remaining tasks to be part of next phase EVM project scope:
 - Development of Advanced trustless bridge phase 1
 - Transfer proxy service design
 - Yield+ EVM integration on mainnet

Upcoming Activities / In Progress

- **PROJECT COMPLETE**

Key Milestones

Description	Planned	Act/*Est
EOS EVM v0.4.0 Mainnet Launch	13 APR 2023	13 APR 2023
Testnet upgrade to 0.4.1	05 MAY 2023	05 MAY 2023
Mainnet upgrade to 0.4.1	09 MAY 2023	09 MAY 2023
Upgrade mainnet Explorer to v5.1.2	18 MAY 2023	18 MAY 2023
Product Roadmap / Vision list	31 MAY 2023	31 MAY 2023
Deployment of v0.5-rc1 on Testnet	31 MAY 2023	31 MAY 2023
Deployment of v0.5-rc2 on Testnet	9 JUN 2023	9 JUN 2023
Start of the additional security audit review	15 JUN 2023	15 JUN 2023
Mainnet upgrade to 0.5	END OF JUNE	20 JUN 2023

Issues / Risks / Escalations

- None

EOS EVM	EOS EVM (v0.5.x Phase x)	ENF
Project Start Date: 16 July 2023 Project Summary: Phase 1 Ethereum Virtual Machine enhancements based on the EOS network for developers to operate apps on a full #Ethereum-compatible chain to benefit high throughput, scalability, security and reliability using EOS infrastructure.		

Report Date: 28 JUL 2023			
Status Scorecard			
Schedule	✓		
Scope	✓		
Resources	✓		

Highlights & Accomplishments

- July 2023
- Developed EOS EVM Roadmap for Phase 1 through Phase 3
 - Initiated project schedule and work breakdown planning for EOS EVM Phase 1
 - Create initial task breakdown and milestones for EVM Perf Testing Methodology
 - Get EOS EVM Node Build job to succeed
 -
 -

Key Milestones		
Description	Planned	Act/*Est
EVM Performance Harness MVP Implementation	31 AUG 2023	*31 AUG 2023
EVM Performance Harness Graph Artifact Support	05 OCT 2023	*05 OCT 2023
EVM Performance Harness Documentation	12 OCT 2023	*12 OCT 2023

Upcoming Activities / In Progress

- Phase 1 kick-off planning
- EVM Onboarding with OCI team
- Update the eos-evm repo to generate a binary archive of the wasm and abi files built for the eos-evm contract
- eos-evm-node repo integration test

Issues / Risks / Escalations

- None

Complete

In Progress

Backlog

>

⚡

ENFS-951 Perf Harness - EVM



Antelope

Contract Development Toolkit (CDT)

ENF

Project Start Date: 30 NOV 2022

Project Summary: Contract Development Toolkit (CDT) is a C/C++ toolchain targeting WebAssembly (WASM) and a set of tools to facilitate development of smart contracts written in C/C++ that are meant to be deployed to an Antelope blockchain

Link: <https://github.com/AntelopeIO/cdt>

Report Date: 25 MAY 2023			
Status Scorecard			
Schedule			✓
Scope	✓		
Resources	✓		

Highlights & Accomplishments

- March 2023
- Repair to code complete, bugs repaired
 - Build System Documentation and Polish added to Build System scope
 - Repair additional bugs discovered with latest PR review
 - Final PR put up for review
 - Final feedback addressed, code merged into main
- May 2023
- CDT v4.0.0-rc1 released
 - CDT v4.0.0-rc2 released
 - DUNE v1.1.1-rc1 released
- June 2023
- Corrected CDT errors encountered building EVM contract with 4.0

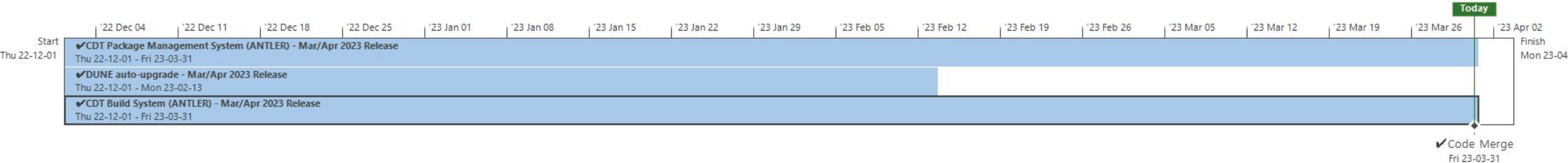
Key Milestones		
Description	Planned	Act/*Est
DUNE auto-upgrade	01 FEB 2023	26 JAN 2023
CDT Debugging Framework (ANTLER)	TBD	*TBD
CDT Package Management System (ANTLER)	20 FEB 2023	31 MAR 2023
CDT Build System (ANTLER)	23 FEB 2023	31 MAR 2023
CDT Code complete (release candidate)	01 APR 2023	05 MAY 2023
CDT Code in production	01 APR 2023	09 JUN 2023
Dune Code complete (release candidate)	01 APR 2023	23 MAY 2023
Dune Code in production	01 APR 2023	09 JUN 2023

Upcoming Activities / In Progress

- CDT CODE COMPLETE
- DUNE CODE COMPLETED

Issues / Risks / Escalations

- None





Coalition Ledger App

Project Start Date: 13 FEB 2023

Project Summary: Update the Ledger App, setup four chains on Ledger using one binary, and complete the adaptations to the source code of the EOS app

NOTE: Project baseline adjusted based on launch criteria provided by Ledger

Report Date: 02 JUN 2023

Status Scorecard

Schedule	—	—	—
Scope	—	—	—
Resources	—	—	—

Highlights & Accomplishments

April 2023

- Milestone schedule revised based on Ledger feedback, ENF staff availability
- Request submitted to Ledger to clarify marketing content requirements, web pages

May 2023

- Engineering availability blocker clear, coding work to resume
- Engineering unavailable, completing resources blocking work
- WAX provided marketing plan to include with submission
- EOS and Antelope icons provided
- EOS provided marketing plan to include with submission

June 2023

- Project paused due to time, resource constraints

Key Milestones

Description	Planned	Act/*Est
#1 Icons for Ledger Live and app	28 APR 2023	22 MAY 2023
#2 Submitting PR to ledger	26 MAY 2023	*TBC
#3 PR to ledger passes all automated tests	02 JUN 2023	*TBC
#4 Go to market plan (social, AMA, blogs)	02 JUN 2023	*TBC
#5 Submitting the form to Ledger	05 JUN 2023	*TBC
#6 Security Audit	31 JUL 2023	*TBC
#7 Documentation/user tutorial, new web pages/content	30 JUN 2023	*TBC
#8 Functional review	22 SEP 2023	*TBC
#9 Ledger merges PR	22 SEP 2023	*TBC

Upcoming Activities / In Progress

- **PROJECT COMPLETE**
- **PROJECT PAUSED INDEFINITELY**
- Coalition to approve draft timeline and milestone schedules
- EOS to complete manager & dashboard icons
- Create content for Ledger webpage and Ledge app information page

Issues / Risks / Escalations

- Clarification around marketing content to be defined from Ledger - **blocked**
- E. Passmore currently unavailable to support dev work - **blocked**
- UX requests to add additional tokens (UTX and UTXRAM) - **escalated**
- Critical path items at risk, behind schedule due to resource constraints - **escalated**

March/April 2023 Release

Report: 26 MAY 2023

Projects +		Summary Details	Updates	Status	Coding	Peer Review	Code Freeze	Integration Testing	Release Candidate
Leap									
Parallelize Speculative Read-Only Trx Exec.	Optimization of how read-only transactions are processed to improve node performance	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
3.2 Backport work	Remaining backport work completed in 3.2.	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
Lighter Validation for Relays	Optimization of block propagation from relay nodes that match certain configured criteria	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
Auto-peer with next/previous BP	Optimization of BP peering to ensure most proximal production peers are connected	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
Programmable Future Snapshots	Ability to schedule and unschedule future snapshots	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
Multithread SHiP	Moving State History Plugin off the main thread for improved performance	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
SHiP Log Splitting, Block Log Splitting	State History Plugin logs and Block logs reformatted for improved storage and retrieval.	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
Leap 4.0 (new feature work, bugs)		Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
CDT									
ANTLER Project Manager	A set of standards and programs for smart contract developers to build and maintain smart contract projects. Some components will move into next release	CDT v4.0.0-rc2 released	Complete	✓	✓	✓	✓	✓	✓
DUNE									
DUNE multi-versioning support	DUNE capable of upgrading itself and managing multiple versions of itself. Support for multiple versions of internal tooling.	DUNE v1.1.1-rc1 released	Complete	✓	✓	✓	✓	✓	✓
Additional Components									
Performance Test Harness Stage 1	Performance harness designed to locally evaluate single node instances of a network.	Antelope Leap v4.0.0 released	Complete						
Performance Test Harness Stage 2	Transaction generator improvements including configuring transaction type	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
Regression Test Harness	A regression harness replacing eosio-launcher and improving overall flexibility.	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
BN256 library	C++ port of the bilinear group BN256 Go library to support EOS EVM performance requirements.	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
Prometheus Exporter Plugin	New plugin to instrument nodeos for scraping data with Prometheus.	Antelope Leap v4.0.0 released	Complete	✓	✓	✓	✓	✓	✓
				✓	✓	✓	✓	✓	✓