EOS Network Foundation

Program and Operations Health Report

02 JUN 2023

Agenda

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

New Initiatives

Project Health Scorecard

Project	Headline	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ENF Projects													
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	Basic report filed indication success/failure												
Regression Test Harness	Expose log truncations complete												
OCI Staff Augmentation	Remove 5.0 disable-subjective-billing option												
Hypha - DAO	Presentation on EOS Network Jungle4 testnet												
EOS EVM Launch	COMPLETE - Launched												
Leap Parallelize Speculative	COMPLETE - Antelope Leap v4.0.0 released												
Hubspot	COMPLETE - HubSpot set up complete												
P2P Peer Discovery													
ENF Website Rebuild	Blocked for EOS Network Rebranding project												
EOS EVM BD Funnel	Initial EVM email campaign launched												
EOS Network Rebranding	FUNDAY Branding packages in progress												
EOS EVM (v0.5 and Phase 1)													

Legend: Future | Good | At Risk | Issues | Past start date | Future End Date | Complete

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Project Health Scorecard

Project	Headline	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Antelope Projects (Coalition)													
Scalability+ IBC	Community support via TG channel	🟧	🟩	🟩	🟩	🟩	🟩	⬜	⬜	⬜	⬜	⬜	➤
Scalability+ Instant Finality	Resource blocker cleared, resume PR reviews	🟧	🟧	🟥	🟥	🟥	🟥	⬜	⬜	⬜	⬜	⬜	➤
Wallet+ SDKs	Milestone #5 complete, ready for review	🟧	🟧	🟥	🟥	🟧	🟧	⬜	⬜	⬜			
Antler/CDT	CDT v4.0.0-rc2, DUNE v1.1.1-rc1 released	🟧	🟧	🟥	🟥	🟥	🟥						
Coalition Ledger App	PROJECT PAUSED		🟩	🟧	🟥	🟥							

Legend: Future | Good | At Risk | Issues | Past start date | Future End Date | Complete

EOS Network Foundation

Antelope Upgrade	**Performance Test Harness, Phase 3**	OCI

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

Report Date: 02 JUN 2023

Status Scorecard

Schedule	✅		
Scope	✅		
Resources	✅		

Highlights & Accomplishments

April 2023
- Create boost beast async http client
- Initial API node (HTTP NODE) support - Topology definition/configuration
- Split out control/config of producer, validation, api node in harness

May 2023
- Put up PR to review HTTP Transaction Generator – push transaction
- Dates for key milestone #1-3 updated to reflect scheduled work required
- Initial reporting updates for API Node and HTTP Transaction Generator
- HTTP Transaction Generator push transaction
- 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

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	*30 JUN 2023
Relay Node Operational Mode	30 SEP 2023	*30 SEP 2023
Canary Node Operational Mode	30 SEP 2023	*30 SEP 2023
SHiP Node Operational Mode	30 SEP 2023	*30 SEP 2023
Trace API Node Operational Mode	30 SEP 2023	*30 SEP 2023

Upcoming Activities / In Progress

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

Issues / Risks / Escalations

- Pert. Test Harness resources to be shared with EOS EVM work - *accepted*

Complete	🟩
In Progress	🟦
Backlog	⬜

> ⚡ ENFS-793 Perf Harness - Phase 3

EOS Network Foundation

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

Status Scorecard

Schedule		☑	
Scope	☑		
Resources	☑		

Highlights & Accomplishments

May 2023
- Put PR #1182 to review all items in progress for Nodeos Process Controls
- Updated 'WalletMgr.py' logging directories
- Migrated launcher - move nodeos process control fully into Node.py
- Migrated configuration options out of the config file into command line
- Implemented nodeos process control in launcher.py
- Enhanced all regression Python tests to verify clean shutdown
- Detected abnormal nodeos termination
- Python log truncated
- Nodeos Process Controls PR #1182 review complete, code merged
- Expose log truncations complete

Key Milestones

Description	Planned	Act/*Est
Nodeos Process Controls	22 MAY 2023	22 MAY 2023
Make use of send_transaction2 in Test Harness *(replace Capture Nodeos logs into an archive)*	01 JUN 2023	*07 JUN 2023
Migrate boilerplate into the test harness	15 JUL 2023	*22 AUG 2023
Expose log truncation	17 JUL 2023	22 MAY 2023
Add Python logging library to regression harness	22 AUG 2023	*14 JUL 2023
Improve debugging environment/artifact capture	15 SEP 2023	*15 SEP 2023
Declarative configuration of cluster nodes	01 OCT 2023	*01 OCT 2023

Upcoming Activities / In Progress

- Make use of send_transaction2 in Test Harness

Issues / Risks / Escalations

- Resources for Reg. Test Harness to be shared with P2P Rewrite Work - ***escalated***
- Staff PTO/Vacation time, reduced availability 29 MAY to 02 JUN - *accepted*

Complete
In Progress
Backlog

EOS Network Foundation

Staff Augmentation

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.

Note: Key milestone dates adjusted to reflect Mar/Apr 2023 Release schedule

Status Scorecard

Schedule	✅		
Scope	✅		
Resources	✅		

Highlights & Accomplishments

May 2023
- Bus Fixes (backport):
  - Nodeos shuts down unexpectedly "exception in http thread pool"
  - Getting unlinkable_block_exception when generating a snapshot not a block
  - Replay of blocks log fails when it has been sliced using the log splitting feature
  - SHip Log split default value set for max stride slice retention, default to be unltd
- 5.0: Proposal: Boost JSON into fc.
- 5.0: Update handling of the http-max-response-time-ms & abi-serializer=max
- 5.0: app_base plugin initialize behavior is inconsistent
- 5.0: Implementation for Nodeos Endpoint IP and Port Configuration
- 5.0: Integration for GELF logging
- 5.0: IPv6 Support

June 2023
- 5.0: Remove disable-subjective-billing option

Key Milestones

Description	Planned	Act/*Est
+Milestones Complete..		
EVM	15 JAN 2023	14 APR 2023
3.3: Block Log Splitting	01 MAR 2023	03 MAR 2023
Leap 4.0 (all new feature work and bugs)	01 MAR 2023	17 MAR 2023
Leap 5.0 (all new feature work and bugs)	30 SEP 2023	*30 SEP 2023
Bug Fixes (backport)	TBC	*TBC

Upcoming Activities / In Progress

- 5.0: P2P Improve sync behavior

Issues / Risks / Escalations

- None

Complete	🟩
In Progress	🟦
Backlog	⬜

> ⚡ ENFS-829 Leap 5.0

> ⚡ ~~ENFS-912~~ Bug Fixes (backport)

Report Date: 01 JUN 2023

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

May 2023
- Content created for Political Movement Template, in conjunction with INC
- B. Lovejoy and Hypha team hosted a Twitter spaces event 16 MAY
- Config settings template contents, types, and descriptions
- QA, unit tests to prepare for security audit
- Content for templates (role, badge, document, circle) defined, written
- API integration, MSIG for treasury redemption completed
- Redemption, templates and treasury back-end work completed, in testing
- Implementation of templates, front-end and back-end work completed
- Converted template details into JSON file
- Milestone #6 completed, presented to ENF for review
- this week (May 29) the focus was on doing release and fixing bugs

June 2023
- Milestone #6 presentation submitted to ENF using EOS Network Jungle4 testnet
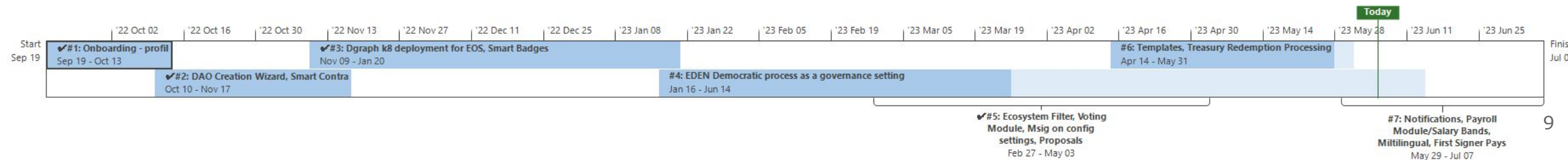- Early shaping milestone #7 Notifications, Payroll Modules/Salary Bands completed

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	*16 JUN 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, Multi-lingual, First Signer Pays	07 JUL 2023	*07 JUL 2023

Upcoming Activities / In Progress

- Beta launch MVP, select security audit company, bug fixes targeting end of June
- Config template for Eden Election in the voting method section
- Select company for security audit
- DAO to function on EOS -- now demoed on EOS testnet
- Milestone #7 frontend and backend development at 30% completion
- Extend previous recipe to include the MS#4 modifications in dev review

Issues / Risks / Escalations

- Hypha to outline scope for Milestone #4, integrate into schedule - *escalate*
- ENF to provide support with translations - *resolved*

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

April 2023
- 17-Apr: Second milestone approved
- 27-Apr: Milestones content and calendar reviewed and submitted to coalition members for approval

May 2023
- 5-May: New milestones content and calendar approved by coalition
- 17-May: Testing standards defined by Fudan team and submitted to milestone approver for review and approval
- 19-May: Testing standards to be discussed with milestone approvers
- 24-May: New testing files created after reviewing comments from approvers

June 2023
- 1-June: Technical Specifications Document updated and test files created

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	*9 JUN 2023
Custom Chain Id	10 MAR 2023	10 MAR 2023
Alias Configuration	17 MAR 2023	17 MAR 2023
Peer Refreshing	24 MAR 2023	*9 JUN 2023
Nodes Setting	29 MAR 2023	*9 JUN 2023
Automated Testing	12 APR 2023	*9 JUN 2023
Testing and delivery	22 MAY 2023	*20 JUL 2023
Maintenance and support	20 AUG 2023	*20 AUG 2023

Upcoming Activities / In Progress

- PR#918 (Peer discovery) with unit testing to be confirmed by milestone approvers

Issues / Risks / Escalations

- Review and approval of deliverables are dependent on availability of milestone approvers - *escalated*

Marketing	**EOS Network Foundation Website Rebuild**	ENF+

Report Date: 01 JUN 2023

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

April 2023
- ENF Post-Game and Blockchain Events Information Gathering + Regroup
- Discussions around potential phased approach due to tight timelines
- FUNDAY expanding scope for complete brand architecture
- Vendors approve updated timelines to project schedule
- GameFi events and market research session complete

May 2023
- FUNDAY exploratory meeting with ELT team for brand, logo strategy
- FUNDAY presents revised schedule based on adjusted scope
- ENF explores option to run milestone deliverables in parallel, schedule rebaselining

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

- Workshop to deliver findings to Graphic Mint and FUNDAY
- Graphic Mint and FUNDAY discovery sessions
- FUNDAY Branding Strategy, Brand Messaging presentation to ENF on 25 MAY
- FUNDAY, Graphic Mint, Double Up Digital and ENF sync meeting in June

Issues / Risks / Escalations

- Aggressive tight timeline, critical path milestones - *escalated*
- FUNDAY revised schedule on critical path, impacting timelines - *escalated*
- Revised FUNDAY Scope of work under executive review - *escalated*
- ENF website to be COPPA, ADPA, PIPEDA compliant - *escalated*

FUNDAY

EOS Network Foundation

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

Status Scorecard

Schedule	✅	🟨	🟥
Scope	✅	🟨	🟥
Resources	✅	🟨	🟥

Highlights & Accomplishments

May 2023
- Milestone #1 (Info Gathering, Onboarding) completed
- Team introduction session with FUNDAY, Graphic Mint, Double Up Digital and ENF
- FUNDAY Brand Meetings with marketing team
- Three potential paths delivered to ENF
- Selection made on path, feedback provided back to FUNDAY team

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 Walkthrough	19 JUN 2023	*19 JUN 2023
Content Strategy for ENF	30 JUN 2023	*30 JUN 2023
Visual toolkit - EOS Network	27 JUL 2023	*27 JUL 2023
Visual toolkit - EOS Network Foundation	17 JUL 2023	*17 JUL 2023
Visual toolkit - EOS Token	25 JUL 2023	*25 JUL 2023
Community Ownership Toolkit	25 JUL 2023	*25 JUL 2023
Final Packaging of all pieces (Brand Bible)	01 AUG 2023	*01 AUG 2023

Upcoming Activities / In Progress

- FUNDAY Brand Architecture & Logos options, three potential paths
- FUNDAY Brand package options presentation to ENF, 15 JUN
- EOS Rebranding Announcement + Community Timeline - Campaign

Issues / Risks / Escalations

- Changes to original scope, contract amendment required - *resolved*
- FUNDAY revised schedule on critical path, impacting timelines - *escalated*
- Revised scope of work under executive review - *escalated*

EOS Network Foundation

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

Status Scorecard

Schedule	✅		
Scope	✅		
Resources	✅		

Highlights & Accomplishments

May 2023
- Testnet upgrade with v0.4-official
- 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
- Deployment of v0.5-rc1 on Testnet
- Start of v0.5-rc1 testing phase

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
Start of the additional security audit review	15 JUN 2023	15 JUN 2023
Mainnet upgrade to 0.5	END OF JUNE	END OF JUNE

Upcoming Activities / In Progress

- Start of the additional security audit review
- Deployment of v0.5 on mainnet

Issues / Risks / Escalations

- Post-launch program reconstruction is being defined. This will impact resources and structure - *monitor*
- Team velocity is being measured on first and second sprints. Outcomes might affect overall timelines - *monitor*

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) | https://github.com/cryptomechanics | https://antelopeibc.io/

Status Scorecard

Schedule	✅		
Scope	✅		
Resources	✅		

Highlights & Accomplishments

April 2023
- N. James to review Milestone #5
- Milestones #5 and #8 are complete, approved by Coalition
- IBC project waiting for IF to complete final milestone #6
- WAX successfully completed 'to' and 'from' transactions
- IBC webpage launch https://eosnetwork.com/ibc-using-eos/
- Addressed error messages submitted in Antelope IBC Protocol Telegram channel

May 2023
- Team meeting to outline upcoming work, timelines and requirements
- Provide community support via Telegram channel for questions, issues

June 2023
- Continuing community support via Telegram channel for questions, issues
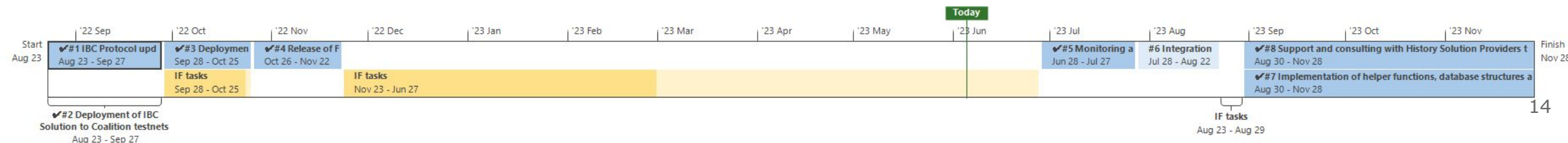
Key Milestones

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 *(Coalition approved change)*	27 JUL 2023	07 APR 2023
#6 Integration of IBC and Instant Finality *(+IF milestone #5: Successful private testnet deployment)*	22 AUG 2023	*22 AUG 2023
#7 Imp. of helper functions, database structures and API for proof generation in Nodeos *(Coalition approved change)*	28 NOV 2023	13 MAR 2023
#8 Support & consult w/ History Solution Providers to improve proof APIs: Firehose, State History Plugin, TraceAPI *(Coalition approved change)*	28 NOV 2023	07 APR 2023

Upcoming Activities / In Progress

- ENF Marketing starting on podcast and blog posts for upcoming IBC announcements
- Z. Gall, N. James supporting Origin on Technical AMA call with interested developers
- IBC planning for integration with IF, launch on testnet

Issues / Risks / Escalations

- Order of operations plan for IBC and IF launch on testnet - *resolved*

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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

April 2023
- Completed WASM implementation, verify action and 'from' message
- Native go/cpp and assembly implementation benchmarked, positive results
- Team discussions about upcoming availability to clear project blockers

May 2023
- Team meeting to outline upcoming work, timelines and requirements
- Implement "get_finality_status" API to the HTTP plugin, useable by light clients
- A. Hayrapetian reviewing BLS, Linearly aggregable signatures PR
- Feedback provided to Origin on BLS, Linearly aggregable signatures PR
- F. Cecin minor refactoring to clean code base, improve efficiencies
- M. Schoenebeck repaired issues reported by ENF during reviews, CDT & Leap PRs

June 2023
- Y. Who reviewing BLS Library, Linearly Aggregable Signatures milestone
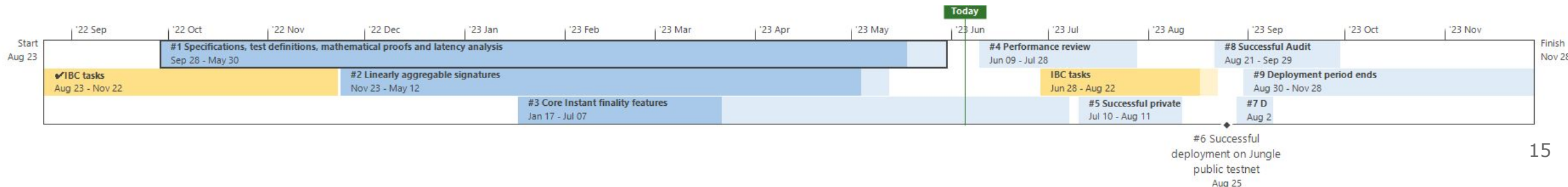
Key Milestones

Description	Planned	Act/*Est
#1 Specifications, test definitions, mathematical proofs, latency analysis	25 OCT 2022	*30 JUN 2023
#2 Linearly aggregable signatures	15 JAN 2023	*09 JUN 2023
#3 Core Instant Finality features (Hotstuff)	28 FEB 2023	*07 JUL 2023
#4 Performance review	28 MAR 2023	*28 JUL 2023
#5 Successful private testnet deployment *(+IBC milestone #6 - integrate IBC with IF)*	28 MAR 2023	*11 AUG 2023
#6 Successful deployment on Jungle public testnet	23 MAY 2023	*25 AUG 2023
#7 Documentation	27 JUN 2023	*08 SEP 2023
#8 Successful Audit	29 AUG 2023	*29 SEP 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

Issues / Risks / Escalations

- Order of operations plan for IBC and IF launch on testnet - *escalated*
- IF timeline critical to include feature with Antelope Leap v5.0. release - *escalated*
- M. Witherspoon currently blocked with competing priorities - *resolved*

Gantt chart:
- Start Aug 23 — Finish Nov 28
- #1 Specifications, test definitions, mathematical proofs and latency analysis — Sep 28 - May 30
- #4 Performance review — Jun 09 - Jul 28
- #8 Successful Audit — Aug 21 - Sep 29
- ✔ IBC tasks — Aug 23 - Nov 22
- #2 Linearly aggregable signatures — Nov 23 - May 12
- IBC tasks — Jun 28 - Aug 22
- #9 Deployment period ends — Aug 30 - Nov 28
- #3 Core Instant finality features — Jan 17 - Jul 07
- #5 Successful private — Jul 10 - Aug 11
- #7 D — Aug 2
- #6 Successful deployment on Jungle public testnet — Aug 25
- Today — '23 Jun

SDK (Software Development Kit)

Report Date: 02 JUN 2023

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

Link: https://github.com/wharfkit/ - key milestones updated 01 FEB 2023 to v4 (*Coalition approved*)

Status Scorecard

Schedule		☑	
Scope	☑		
Resources	☑		

Highlights & Accomplishments

May 2023
- Development of a console-based UI renderer for development
- PR put up for Login plugin system
- Website entering development phase, content near completion
- Milestone #4 completed
- Primary UI for Web Renderer complete
- Web Renderer incl. QR expanding, animations, UI to manage Settings
- EOSIO core library updates for new API endpoints, backend improvements
- 0.5.x release of the Session Kit, Web Renderer, and Wallet Plugins
- Release/rebrand of @greymass/eosio core library to @wharfkit/antelope (0.7.0)

June 2023
- Published 1st draft of the User Interface documentation
- Integrated documentation framework into website framework
- Community discussion and development towards Contract Kit table abstraction
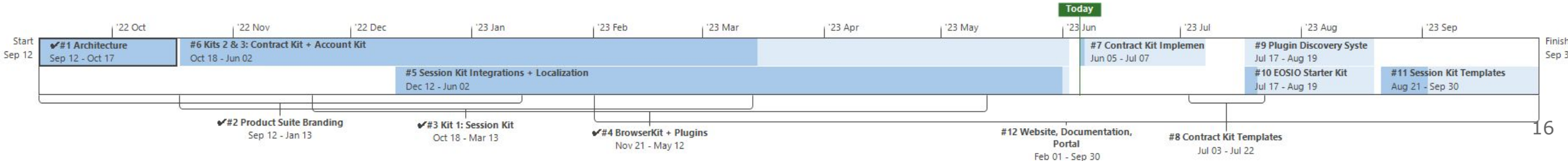- Milestone #5 complete, ready for ENF review

Key Milestones

Description	Planned	Act/*Est
#1 Architecture	15 OCT 2022	17 OCT 2022
#2 Product Suite Branding	13 JAN 2023	11 JAN 2023
+Milestones Complete..	23 JAN 2023	13 MAR 2023
#5 Session Kit Integrations + Localization	08 APR 2023	*08 JUN 2023
#6 Contract Kit + Account Kit	02 JUN 2023	*22 JUN 2023
#7 Contract Kit Implementations	07 JUL 2023	*07 JUL 2023
#8 Contract Kit Templates	22 JUL 2023	*22 JUL 2023
#9 Plugin Discovery System + Dev Tutorials	19 AUG 2023	*19 AUG 2023
+Milestones to follow...		
#12 Website, Documentation, Portal	30 SEP 2023	*30 SEP 2023

Upcoming Activities / In Progress

- Finalizing UI specification into document format for publishing
- Address community feedback from login plugin system release
- Documentation for Session Kit, Core Libraries
- R&D on modernizing access to table data through Contract Kit
- Development of Contract Kit code generation suite
- Contract Kit + Account Kit approach for reading data under review

Issues / Risks / Escalations

- No EOS external wallets using scatter avail, Milestone #9 - ***blocked***

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Report Date: 25 MAY 2023

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

Status Scorecard

	Green	Yellow	Red
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
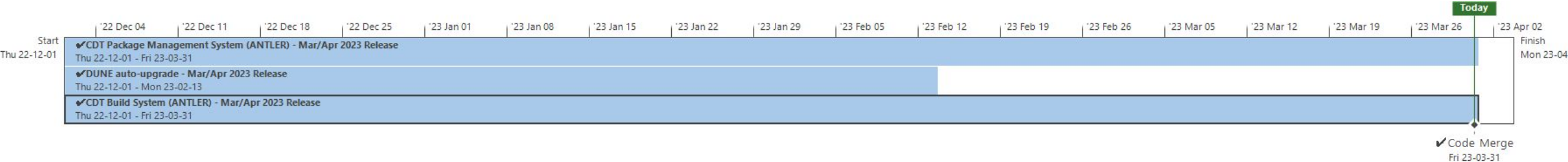- Corrected CDT errors encountered building EVM contract with 4.0

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

Report Date: 02 JUN 2023

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

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 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*

Operations Metrics

Operations Scorecard (Rolling 12 months)

Area / Metrics	Link	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Market Funding													
Direct Grants Fully Approved (#)	+	1	0	2	0	3	1	0					
Direct Grants Fully Approved ($)		$10,000	$0	$275,000	$0	$233,000	$10,000	$0					
Direct Grants Rejected (#)		7	2	0	12	5	14	3					
Direct Grants Processing Time (days)		196	182	87	143	103	72	34					
Developer Relations													
# of DevRel tickets closed	+	5	20	9	20	21	18	1					
# of guides completed (Cumulative)				3	4	6	9	9					
# of videos completed (Cumulative)							2	2					
# of courses completed (Cumulative)							79	82					
# of docs new users				10	330	2,200	878	59					
# of learn new users			114	206	199	343	227	29					
Regression Metrics - Antelope													
First Pass Yield (WF Runs)	+	95%	78%	96%	95%	100%	95%	100%					

Operations Scorecard (Rolling 12 months)

Area / Metrics	Link	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Community Engagement - EOS Support													
# of Articles / Stories published		167	168	98	120	89	84						
# of Surveys completed	+	0	0	1	0	0	0						
# of Giveaway show participants		69	119	188	177	99	90						
Business Development - Blockument													
Total Open Leads		209	278	326	368	440	579						
Projects in Commercials Discovery		108	130	163	182	210	240						
MoU Signed	+	4	5	6	7	8	9						
Demos / Prototypes in work		1	2	3	4	5	8						
Project SoWs Signed		0	0	0	0	0	0						
Projects deployed to Mainnet		0	0	0	0	0	0						
Recover+													
Dollar amount coverage	+					$47,625,135							
Total number of Applications registered						23							

Contracts / RFP / Grants

EOS Network Foundation

Review of Contracts, RFP and Grants status for week of 02 June 2023

Highlights & Accomplishments

Contracts

- BlockSec fully executed
- Meson fi fully executed

RFP
- None

Grants
- Batch 27 closed/emails sent
- Batch 28 closed/emails sent

Status Overview

Area	Document	Status	Notes
Grants	Batch 28	Closed	
Grants	Batch 27	Closed	
Contracts	BlockSec	Done	
Contracts	Meson fi Liquidity Provider Agreement	Done	
Contracts	Privacy Policy	Work In Progress	Meeting with V.S. on Friday to review rough draft.
Contracts	dAPPS ICA	Work In Progress	Working with S.D. on Discussion Topics

Upcoming Activities / In Progress

Contracts
- Privacy Policy
- dAPPS ICA
- REVIEW: EOS Support Contract ends 7/31/2023

RFP
- None

Grants
- TrustEVM KYC
- Reviewing incoming Grants and sending for translation.
- Batch 29

Issues / Risks / Escalations

- None

Completed Projects

(for reference only)

| **GoLang Security Port** |

Report Date: 28 APR 2023

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

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

Upcoming Activities / In Progress

- **COMPLETE**

Issues / Risks / Escalations

- None

Complete
In Progress
Backlog

> ⚡ ENFS-425 Golang Security Development

Antelope Upgrade	**Performance Test Harness**	OCI	

Report Date: 28 APR 2023

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 andarg 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**

Issues / Risks / Escalations

- None

Complete 🟩
In Progress 🟦
Backlog ⬜

> ⚡ ENFS-587 Perf Harness - Phase 2

> ⚡ 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

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

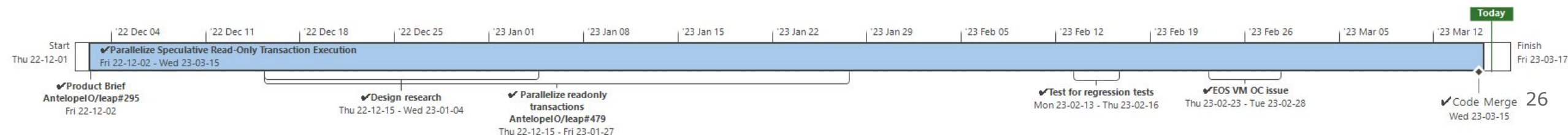| Description	Planned	Act/*Est
Parallelize Speculative Read-Only Transaction Execution	14 FEB 2023	15 MAR 2023
Code complete (release candidate)	01 APR 2023	15 MAR 2023
Code in production	01 APR 2023	25 APR 2023

Upcoming Activities / In Progress

- **COMPLETE**

Issues / Risks / Escalations

- None

EOS EVM	**EOS EVM Launch**	ENF

Report Date: 02 JUN 2023

EOS Network Foundation

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

Status Scorecard

Schedule	✅		
Scope	✅		
Resources	✅		

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

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

Upcoming Activities / In Progress

- **PROJECT COMPLETE**

Issues / Risks / Escalations

- Post-launch program reconstruction is being defined. This will impact resources (add. engineering manpower) and structure (project vs. production) - *monitor*
- Team velocity is being measured on first and second sprints. Outcomes might affect overall timelines - *monitor*

March/April 2023 Release

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	☑	☑	☑	☑	☑
				☑	☑	☑	☑	☑

Good	At Risk	Blocked