Anuket CI/CD Transformation

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LF NETWORKING
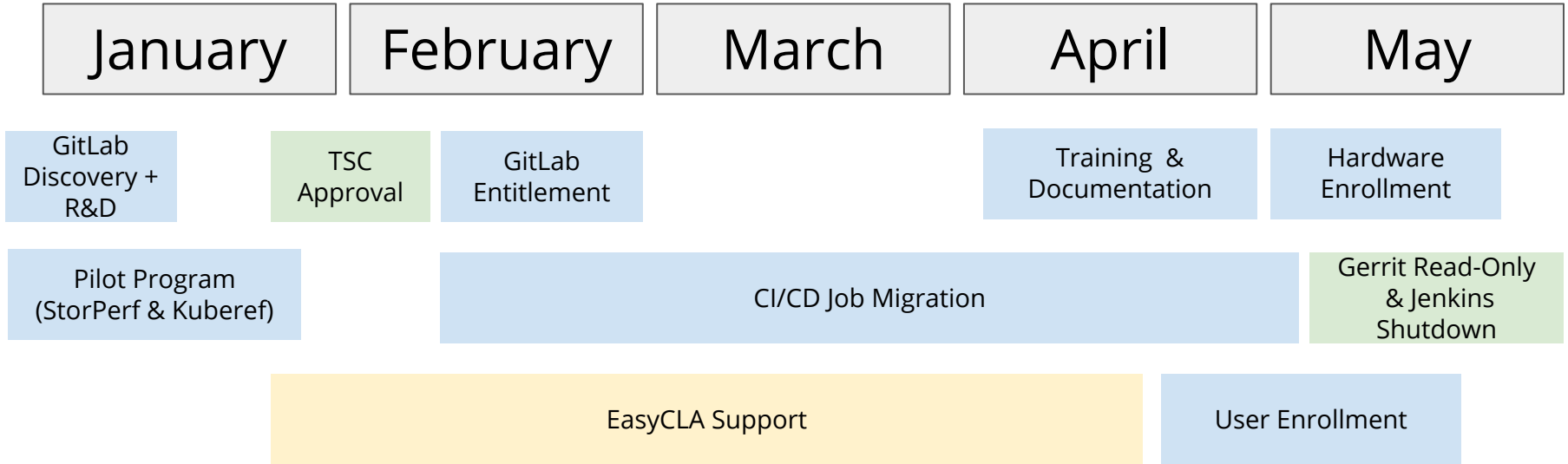
LFN Developer & Testing Forum

Trevor Bramwell

Introduction

- Started with LFN Infra-WG in TAC
- Research and evaluation done by LF IT
- Proposal to OPNFV TSC
  - Pilot program started for Kuberef & StorPerf

Context

What are the benefits?

- Developer experience
  - CI lives with code
  - Familiar experience for new users, especially cloud native developers
  - Reduces barriers to entry
  - Enables alignment between CNTT/OPNFV -- necessary features for code development with experience similar to current spec activities
- Platform Tooling
  - Security, dependency, and licence scanning
  - Container and Package repositories, HTML hosting
- Improved resource management
  - Some pass-through savings on hosting
  - Improved efficiency and scalability
  - Leverage GitLab's SLAs, feature development, etc.

Gitlab Migration Plan (2021)

January	February	March	April	May

GitLab Discovery + R&D

TSC Approval

GitLab Entitlement

Training & Documentation

Hardware Enrollment

Pilot Program (StorPerf & Kuberef)

CI/CD Job Migration

Gerrit Read-Only & Jenkins Shutdown

EasyCLA Support

User Enrollment

FAQ

- ## Who is doing the work?
  - LF IT will be converting project CI from Jenkins to Gitlab
- ## How will it impact my project?
  - Should not impact current development
  - Effort will run in parallel with feedback from projects
- ## How do I get support?
  - LF IT will interface with Gitlab. Current support process stays the same.

Gitlab Pilot Discussion

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- Feedback from KubeRef & StorPerf
  - How does Gitlab compare to current tooling?
  - What needs more research?
- Feedback from other community members

Next Steps

- Collect feedback, continue discussion
- Present findings to TSC
  - Decision to implement migration plan