CI Automation: Q1 2020 Progress

April 2020

□LFNETWORKING

□THE **LINUX** FOUNDATION

High Level Proposal: Automation and Self-Service for Current Tools

› **Goal:** Provide automation enabling projects to handle functions without relying on IT Support, using the current tools, reducing maintenance cost and time.

Areas of Automation:

Self service repo creation

Self-signing releases

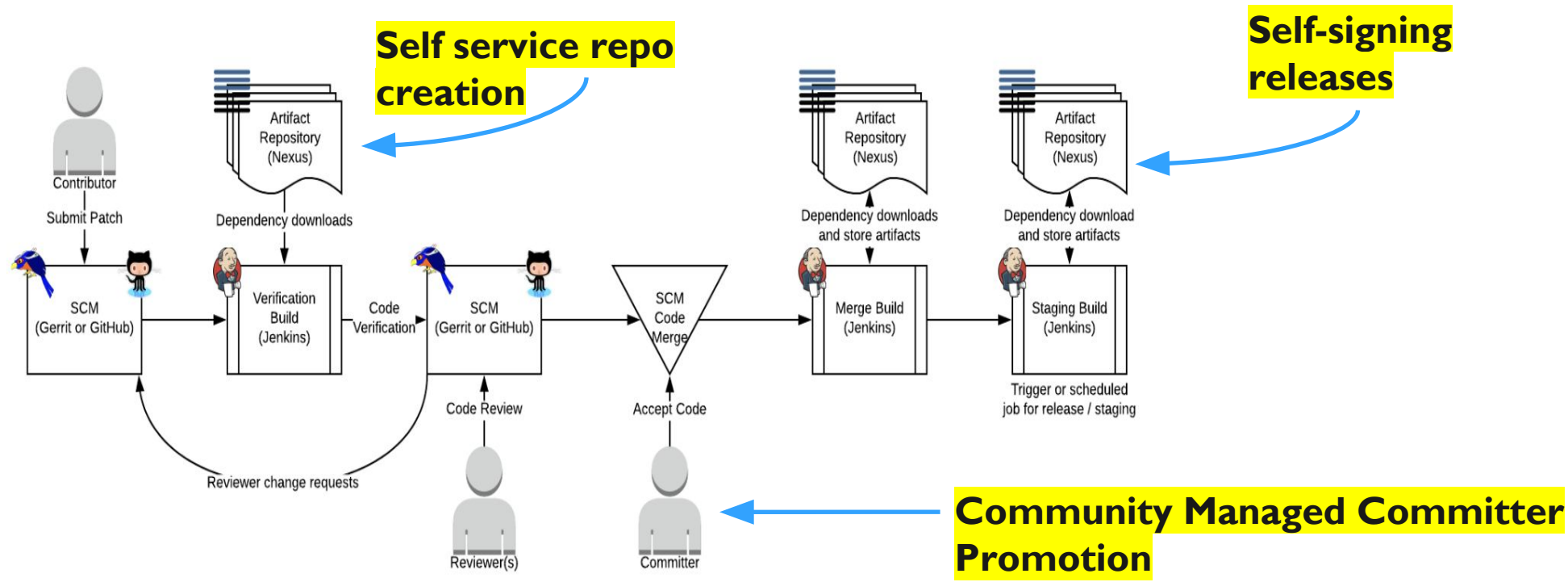**Community Managed Committer Promotion**

Figure 1

Community Managed Committer Promotion

› **Goal:** Community can promote members without LF intervention (ticket request and follow up), reducing tickets and delays.

› **Phase 1 Complete**: Initial engineering and testing complete and delivered for the following projects:
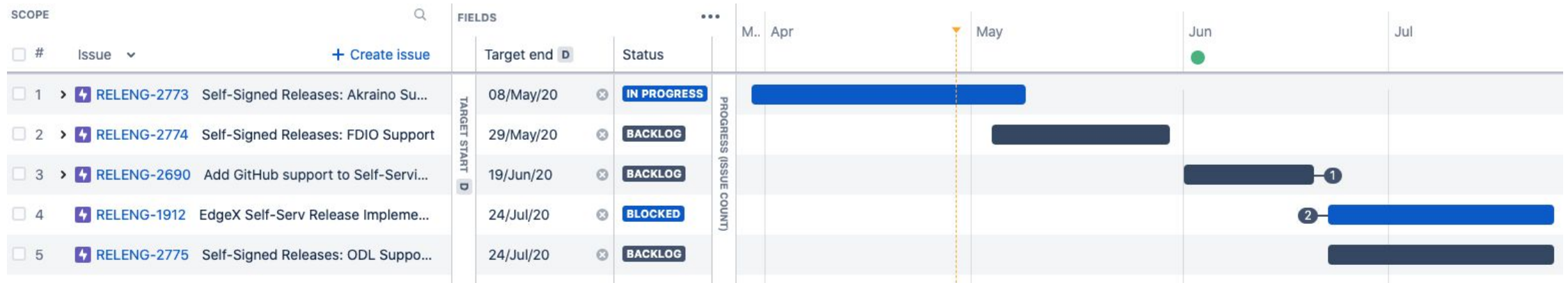
>   › ONAP
>
>   › OPNFV
>
>   › ORAN
>
>   › Acumos
>
>   › Akraino
>
>   › FDIO

› **Phase 2 In Progress:** Deliver GitHub support (unblocks deliver for EdgeX, ASWF, and ODPi) and ODL.

	#	Issue	Target end D	Status	03/May	10/May	17/May	24/May	31/May	07/Jun	14/Jun	21/Jun
☐	1	⚡ RELENG-2769 Committer Self Promotion: ODL S...	29/May/20 ⊗	BACKLOG								
☐	2 ›	⚡ RELENG-2708 Add GitHub support for Committ...	29/May/20 ⊗	BACKLOG					3			
☐	3	⚡ RELENG-2770 Committer Self Promotion: EdgeX...	26/Jun/20 ⊗	BACKLOG						1		
☐	4	⚡ RELENG-2771 Committer Self Promotion: ASWF ...	26/Jun/20 ⊗	BACKLOG						1		
☐	5	⚡ RELENG-2772 Committer Self Promotion: ODPi ...	26/Jun/20 ⊗	BACKLOG						1		

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Self-Signed Releases

› **Goal:** Community can promote members without LF intervention (ticket request and follow up), reducing tickets and delays.

› **Phase 1 In Progress**: Initial engineering and testing complete.

  › Delivered: ONAP, Acumos, ORAN, OPNFV, ODPi, ODL (most subprojects).

  › Remaining Work: Complete delivery for Akraino.

› **Phase 2 Planned** Deliver GitHub support (unblocks deliver for EdgeX) and complete delivery for ODL (some projects blocked by Autorelease).

› **Roadmap:**

Self-Service Repo Creation

› **Goal:** Community can create new repos for subprojects without LF manual intervention (tickets and follow up), reducing tickets (delays).

› **In Progress**: Initial engineering complete and testing is in progress.

  › Engineering work: Support complete for Gerrit, Nexus, and Jenkins.

  › Testing in progress.

› **Target Projects:** Acumos, EdgeX, FDIO, ONAP, ODL, ORAN, OPNFV.

› **Roadmap:**

	#	Issue	+ Create issue	Target end D	Status		Jan	Feb	Mar	Apr	May	Jun
☐	1 ›	RELENG-2369	Service Project Repository (Disco...	15/May/20	BACKLOG		▬▬▬▬▬▬▬▬▬▬▬ 7					
☐	2	RELENG-2776	Self-Service Repo Creation: Jenki...	24/Apr/20	DONE				▬▬▬ 7			
☐	3	RELENG-2654	Self-Service Repo Creation: Nexu...	24/Apr/20	DONE			▬▬▬▬▬ 7				
☐	4	RELENG-2778	Self-Service Repo Creation: Nexu...	24/Apr/20	DONE				▬▬ 7			
☐	5	RELENG-2777	Self-Service Repo Creation: Acu...	26/Jun/20	BACKLOG						4 ▬▬
☐	6	RELENG-2780	Self-Service Repo Creation: FDIO...	26/Jun/20	BACKLOG						4 ▬▬
☐	7	RELENG-2781	Self-Service Repo Creation: ONA...	26/Jun/20	BACKLOG						4 ▬▬
☐	8	RELENG-2782	Self-Service Repo Creation: ODL ...	26/Jun/20	BACKLOG						4 ▬▬
☐	9	RELENG-2783	Self-Service Repo Creation: ORAN...	26/Jun/20	BACKLOG						4 ▬▬
☐	10	RELENG-2784	Self-Service Repo Creation: OPNF...	26/Jun/20	BACKLOG						4 ▬▬
☐	11	RELENG-2779	Self-Service Repo Creation: Edge...	26/Jun/20	BACKLOG						4 ▬▬

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