



It's all about feedback

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Itzik Gan-Baruch
Senior Technical Marketing Manager
ItzikGB

Itzik Gan-Baruch is a veteran of creating creative technical content which bridges gaps between business and technology, and helps non-technical users understand the value of technology. Creates software demo systems, YouTube videos, delivers demos to analysts, and speaks at events. He is a senior technical marketing manager at GitLab, with over 20 years of experience in the IT industry, tech-savvy, and father of three.





Orit Golowinski
Senior Product Manager
GO_Orit

My name is Orit Golowinski. I am currently the senior Product Manager of Progressive Delivery at GitLab and also an ambassador at the DevOps institute. Previously, I was the director R&D infrastructure at Cellebrite. Part of this position was to lead the DevOps department where I found my passion for CI/CD. In previous roles, I helped transition R&D from waterfall to Agile. Previous Roles that I held include Director of QA and Director of product management in numerous companies. I am also a mother of 3 girls and a certified pastry chef.





Agenda

- Continuous Testing
- Challenges for testing
- Visualizing Test Coverage
- Review Apps
- Blue/Green Deployments
- Canary Release
- Feature Flags
- Demo Continuous Testing with GitLab



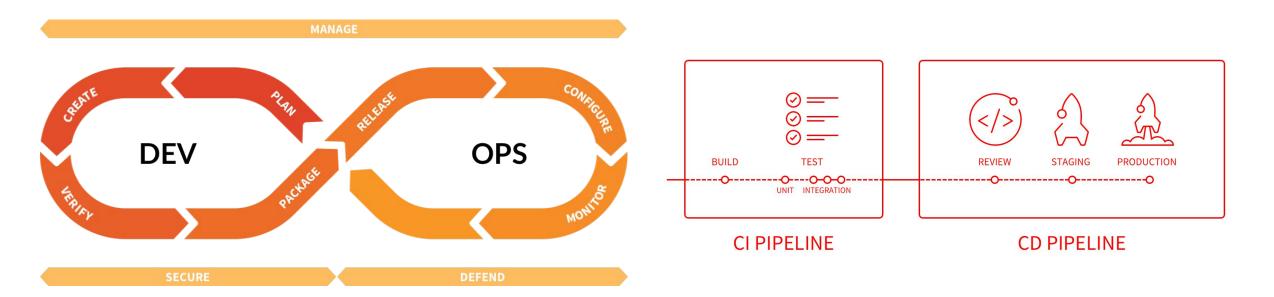


"We all need people who will give us feedback. That's how we improve."

Bill Gates



Continuous Testing





Challenges for Testing

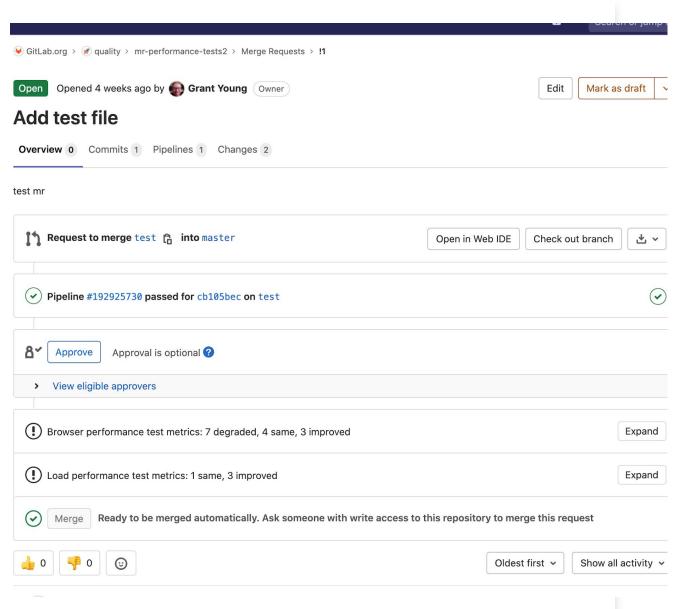
Inability to "Shift Left"

Slow Execution Time

High Maintenance

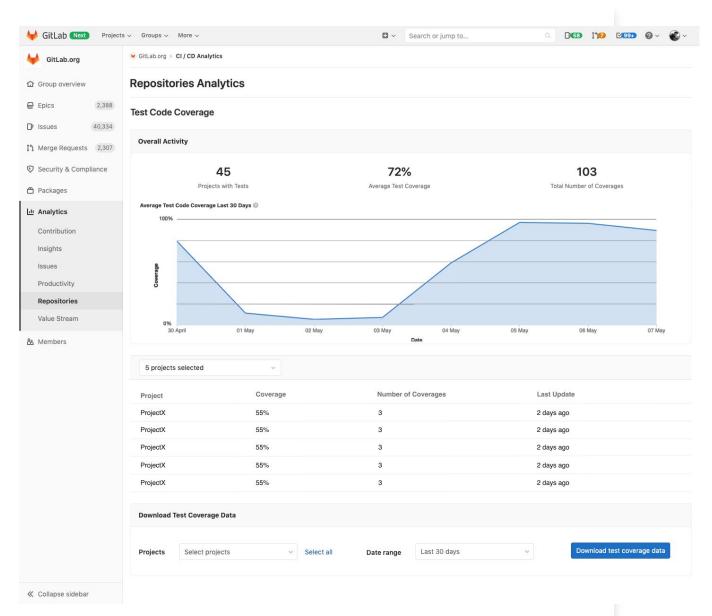
Test
Environment
Instability





Feedback for every code change





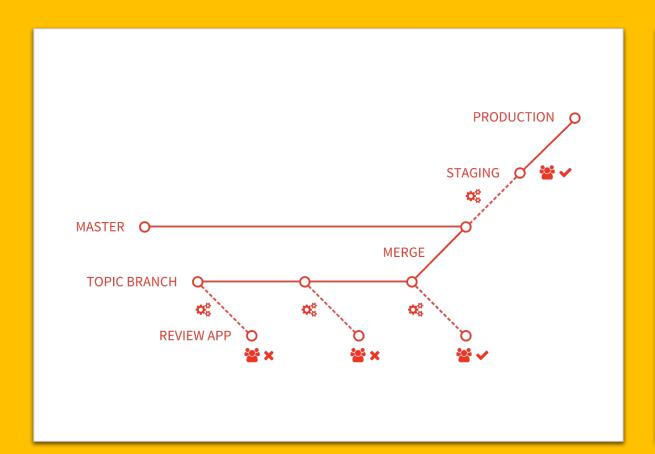
Visualizing Test Coverage

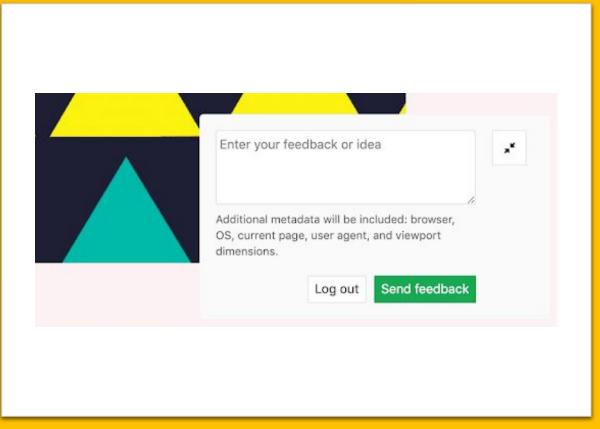


View code that is not covered directly from the code

```
lib/math/add.js 🔓
       + module.exports = (a, b) => {
   2  + console.log(a, b);
3  + return a + b;
       + };
No Test Coverage
          const deadCode = (a, b) => {
    7 + return a - b;
       + };
```



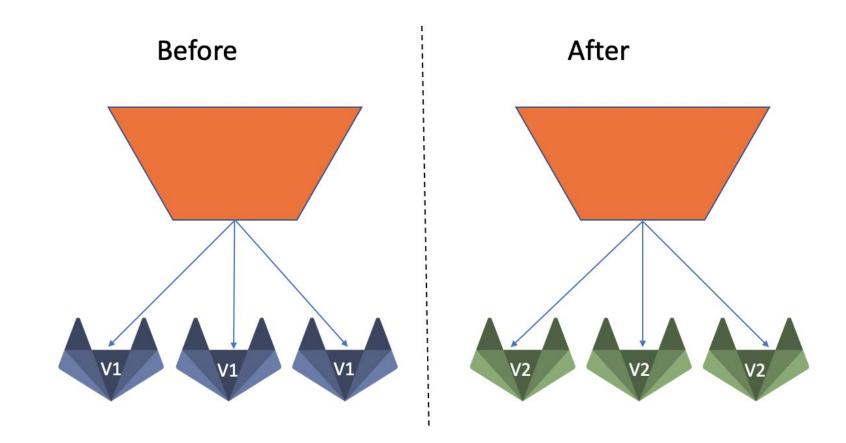




Review Apps

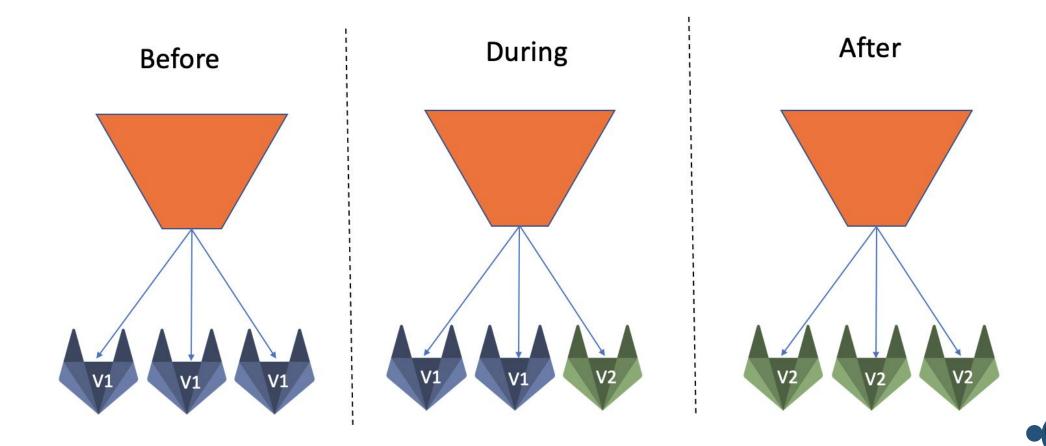


Blue/Green Deployments

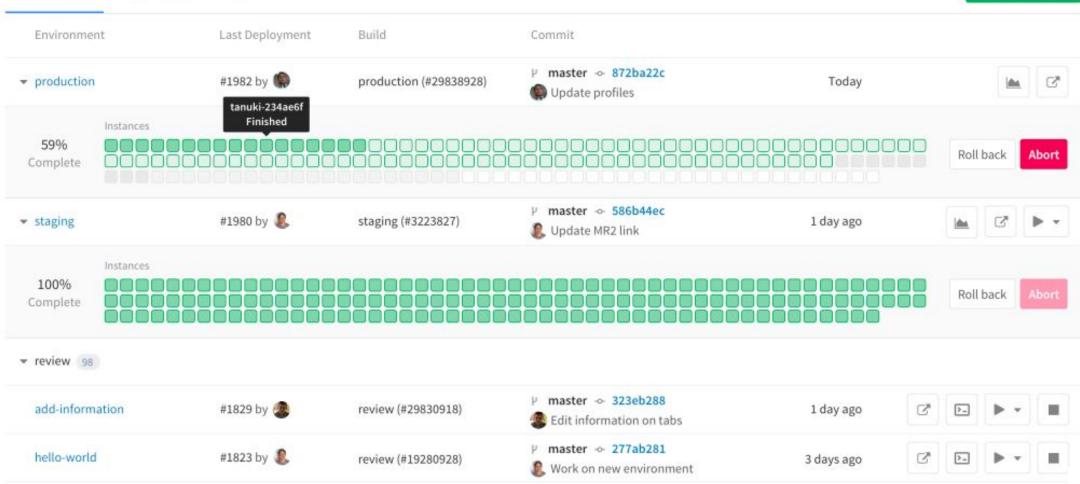




Canary Release

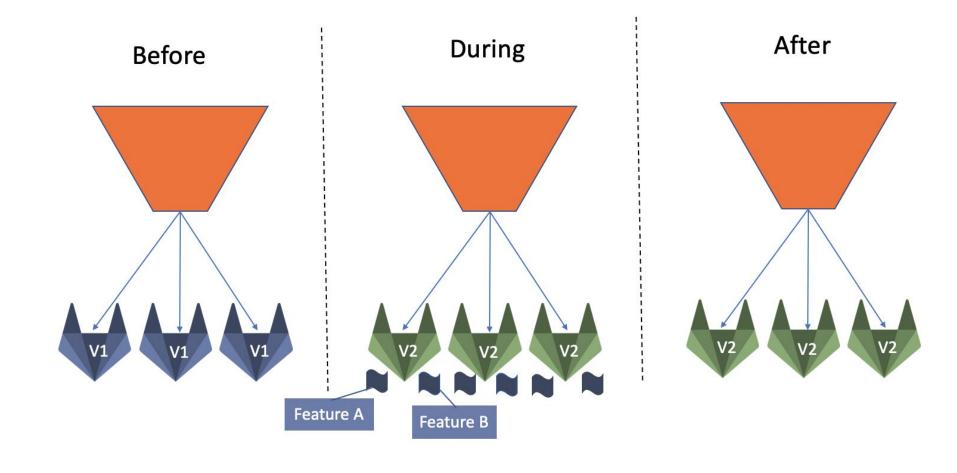


Canary Releases in GitLab





Feature Flags





Feature Flags in GitLab

Feature Flags 6 User Lists 1				Configure New user list	New feature flag
ID	Status	Feature Flag	Environment Specs		
^14	\otimes	demo demo for % rollout ff	All Users: All Environments Percent of users - 50%: testing User IDs - 4 users: testing Percent of users - 15%: production User IDs - 4 users: production		Ø Û
^20		flag_a feature a	Percent of users - 50%: production User IDs - 3 users: dev User List - my_user_list: testing		Ø Û
^2		new_ff ①	* (All environments) testing		
^13		new_flag New flag for demo purpose	User List - my_user_list: testing		00
^5		user_id_flag ① testing userid	* (All environments)		0 0
^12		user_id_v2_ff Feature Flag based on userID - new .	User IDs - 5 users: staging		





THANK YOU!

Meet us in the Network
Chat Lounge for questions

