GitLab

Concurrent DevOps

A single application for the entire DevOps lifecycle

about.gitlab.com

Job van der Voort
VP of Product

Company evolution

2011
Start of GitLab

2014
GitLab Inc.

2015
10 team members
Series A funding led by Khosla Ventures

2016
100+ team members
1,000+ contributors
Series B funding led by August Capital

2017
150+ team members
Series C funding

MAY 2018
250+ team members
2,000+ contributors

SEPTEMBER 2018
350+ team members

Market Momentum

2,000+
contributors

20M+
downloads

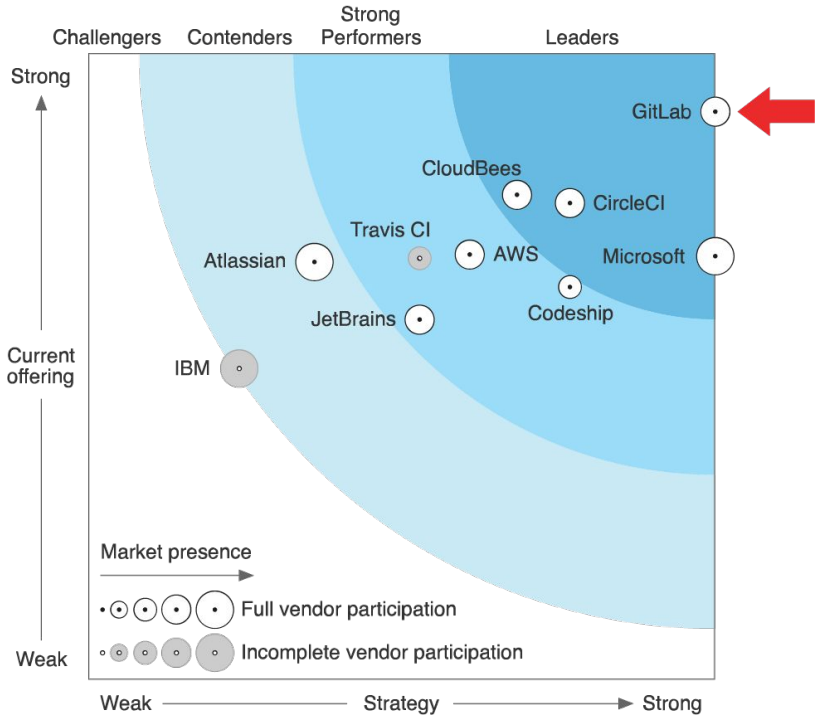
82
consecutive monthly releases

6M+
.com projects

#44 on Inc. 5000 list of 2018's fastest growing companies

#4 Top Software Company

GitLab recognized as a Leader in The Forrester CI Tools Wave™: Continuous Integration Tools, Q3 2017



- **Highest Score** in the **Current Offering Category**
- **Highest Possible** Score in the **Strategy Category**
- Highest score possible in the Ease of Installation/ Configuration, Configuring Builds and Build Reuse, Platform Support, Security Features, Container Build Support, Container Runtime Support, GUI, and Analytics criteria

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Open source on GitLab

“By using a single tool and having everyone under the same roof, there’s more opportunity for teams to work together and cross-pollinate, resulting in a more engaged and collaborative community.”

— Nuritzi Sanchez, president of GNOME’s board of directors

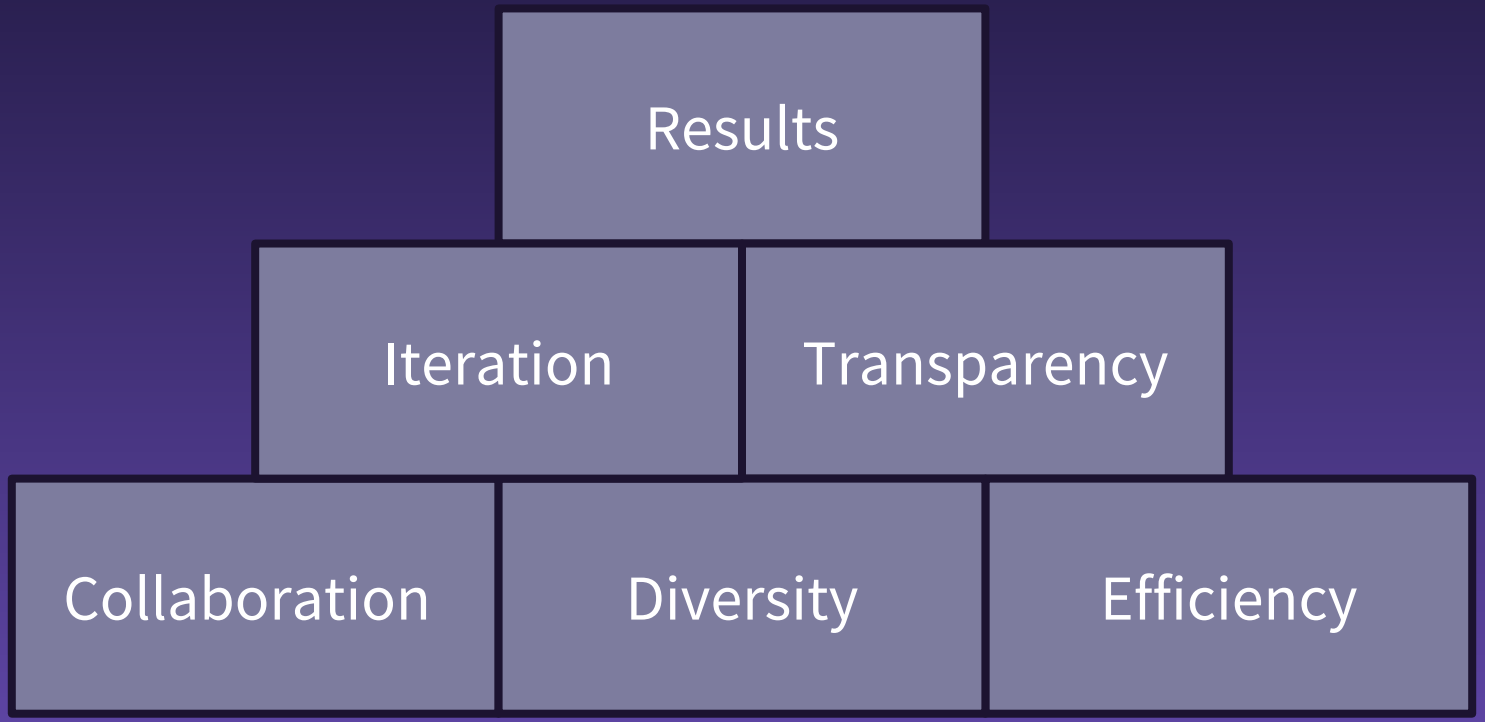
$100M

Series D Funding
led by ICONiQ Capital

$1.1B

Valuation

Greenland
Iceland
Sweden
Norway
Russia
Canada
Denmark
Ireland
Kazakhstan
Mongolia
North Atlantic Ocean
North Pacific Ocean
Spain
Turkey
Uzbekistan
China
Japan
Tunisia
Iraq
Iran
Algeria
Libya
Egypt
Saudi Arabia
Pakistan
Nepal
Oman
Yemen
Mexico
Cuba
Senegal
Sudan
Thailand
Philippines
Colombia
Brazil
Angola
Madagascar
Indonesia
Papua New Guinea
Bolivia
Paraguay
South Atlantic Ocean
Indian Ocean
South Pacific Ocean
Australia
Argentina
New Zealand
66
30
138
66
5
6
2
3
4
4
11


Results
Iteration
Transparency
Collaboration
Diversity
Efficiency

Vision & Roadmap

about.gitlab.com/direction

Only care about CI?
about.gitlab.com/direction/verify

SCM?
about.gitlab.com/direction/create

Full SDLC completed 2016

From Dev to DevOps

The DevOps toolchain is too complex

Manage

Plan

Create

Verify

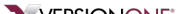
Package

Release

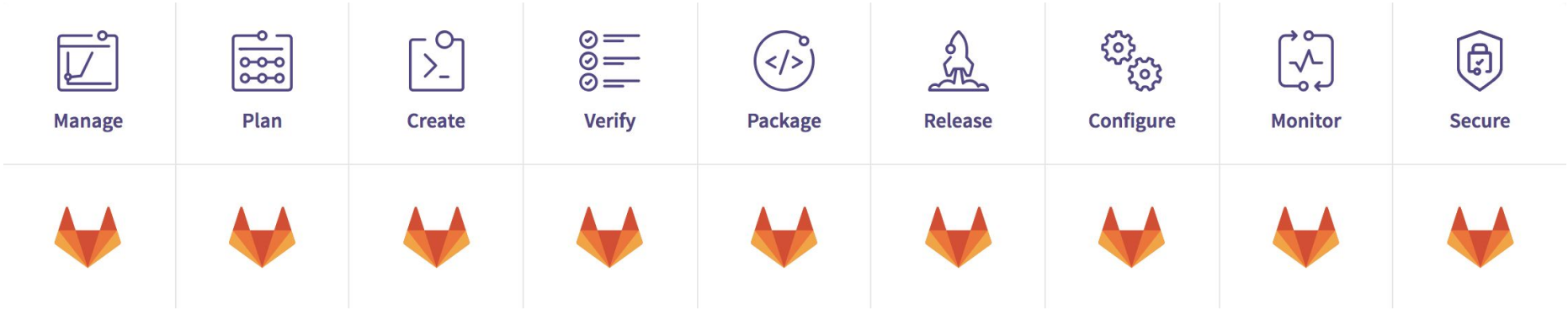
Configure

Monitor

Secure

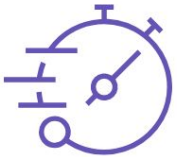


Concurrent DevOps



Visible

See everything that matters



Efficient

Collaborate without waiting

Governed

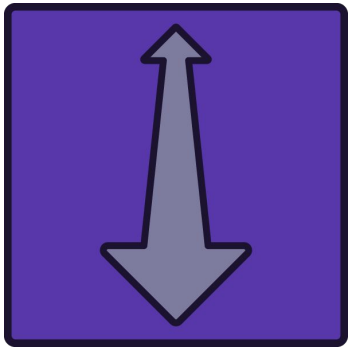
Ship with confidence

GitLab right now

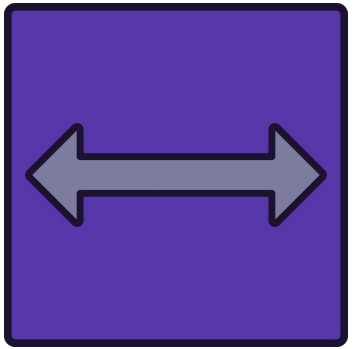
Manage	Plan	Create	Verify	Package	Release	Configure	Monitor	Secure
Cycle Analytics	Issue Trackers	Source Code Management	Continuous Integration (CI)	Container Registry	Continuous Delivery (CD)	Auto DevOps	Metrics	SAST
DevOps Score	Issue Boards	Code Review	Unit Testing	Maven Packages Repository	Pages	Kubernetes Configuration	Logging	DAST
Audit Management	Service Desk	Wiki	Integration Testing		Review apps	ChatOps	Cluster Monitoring	Dependency Scanning
Authetication and Authorization	Portfolio Management	Snippets	Code Quality		Incremental Rollout			Container Scanning
		Web IDE	Performance Testing					License Management

Product Strategy

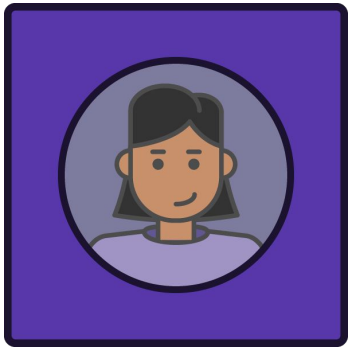
3 pronged strategy



Depth

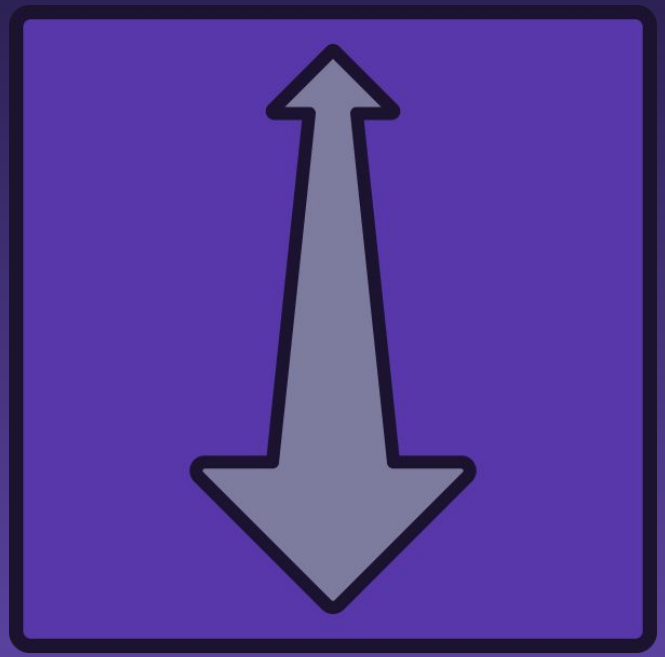


Breadth



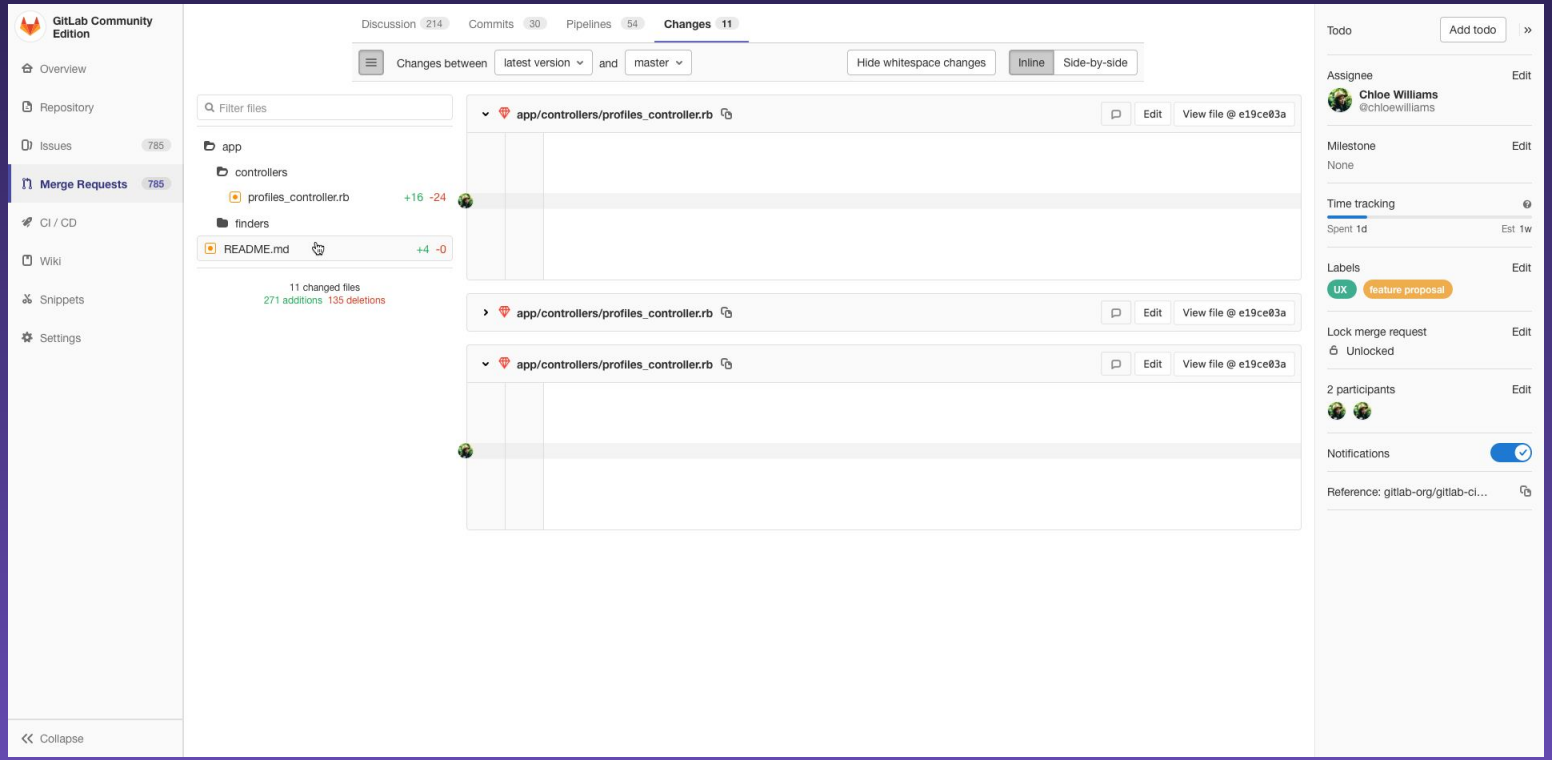
Roles

Depth

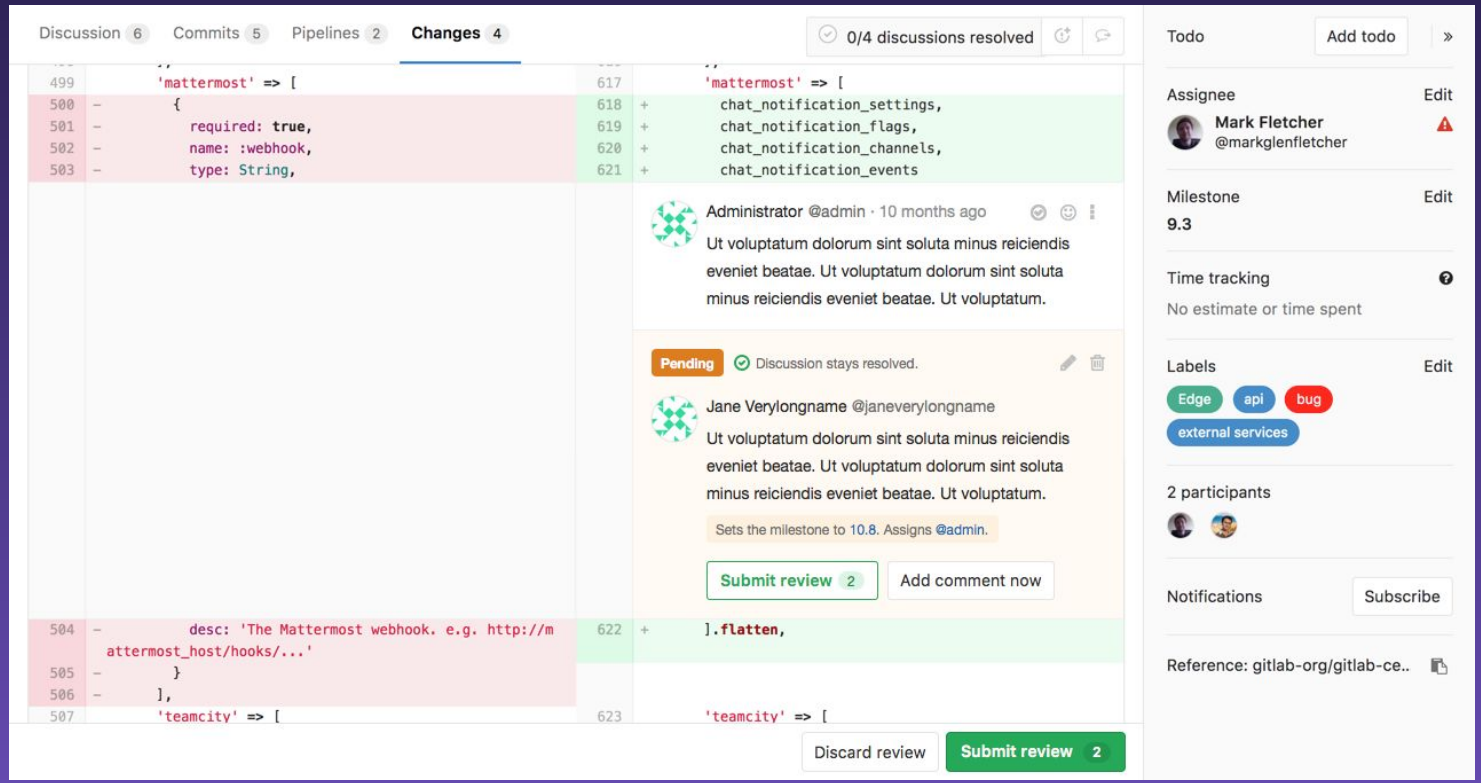


Depth

File tree in merge requests (Q4)



Reviews (Q4)


Discussion 6
Commits 5
Pipelines 2
Changes 4
0/4 discussions resolved
'mattermost' => [
{
required: true,
name: :webhook,
type: String,
desc: 'The Mattermost webhook. e.g. http://mattermost_host/hooks/...'
}
],
'teamcity' => [
chat_notification_settings,
chat_notification_flags,
chat_notification_channels,
chat_notification_events
].flatten,
'teamcity' => [
Administrator @admin · 10 months ago
Ut voluptatum dolorum sint soluta minus reiciendis eveniet beatae. Ut voluptatum dolorum sint soluta minus reiciendis eveniet beatae. Ut voluptatum.
Pending
Discussion stays resolved.
Jane Verylongname @janeverylongname
Ut voluptatum dolorum sint soluta minus reiciendis eveniet beatae. Ut voluptatum dolorum sint soluta minus reiciendis eveniet beatae. Ut voluptatum.
Sets the milestone to 10.8. Assigns @admin.
Submit review 2
Add comment now
Discard review
Submit review 2
Todo
Add todo
Assignee
Edit
Mark Fletcher
@markglenfletcher
Milestone
Edit
9.3
Time tracking
No estimate or time spent
Labels
Edit
Edge
api
bug
external services
2 participants
Notifications
Subscribe
Reference: gitlab-org/gitlab-ce..

Change proposals in merge requests

James Ramsay @jramsay · 3 months ago

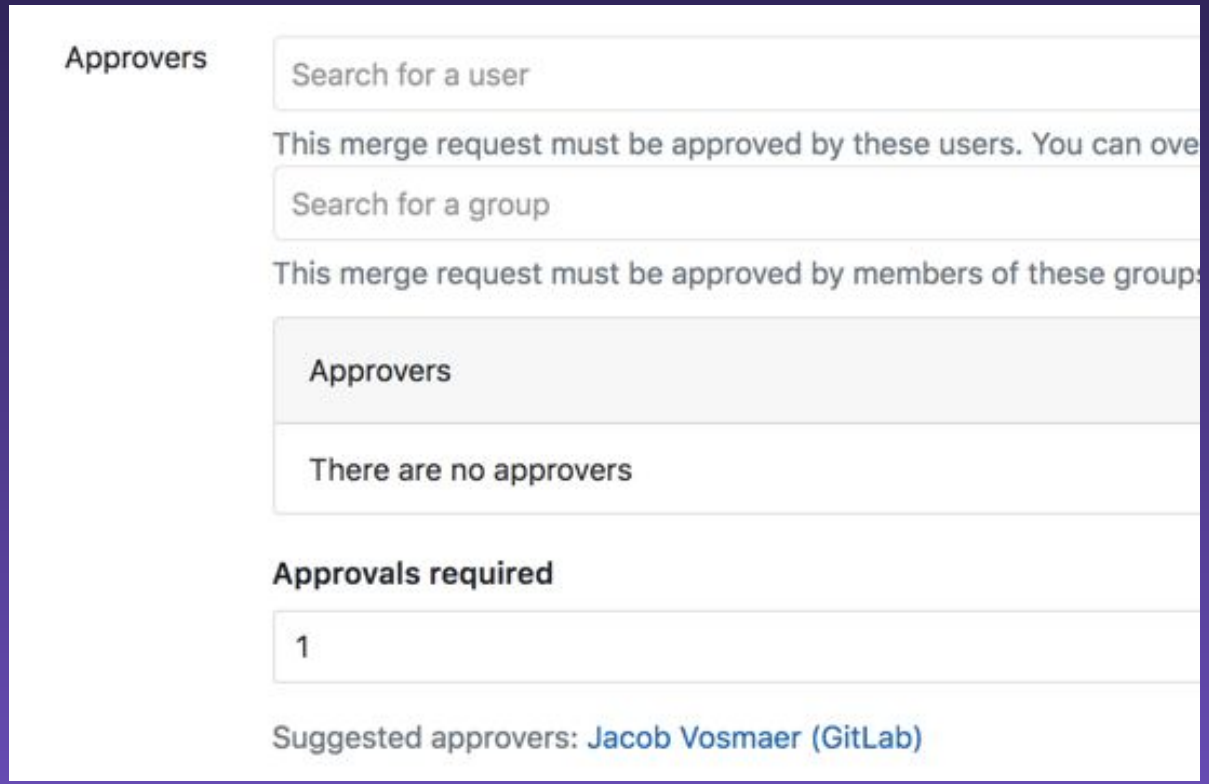
Developer

This proposal is looking good. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

app/assets/foo.js Edit in Web IDE Apply

```
130        const foor = "bar"
    130    const foor = 'bar';
```

Approver groups and approvers based on code owners



Group merge requests (Q1’19)

Code review everywhere (Q2’19)

Depth

TODAY

SCM

CI

2019

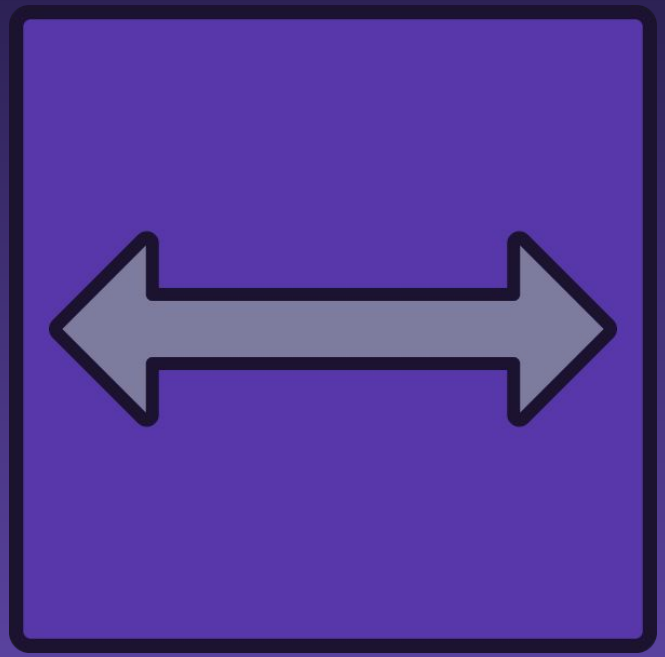
Project Management

CD/RA

Security Testing

VSM

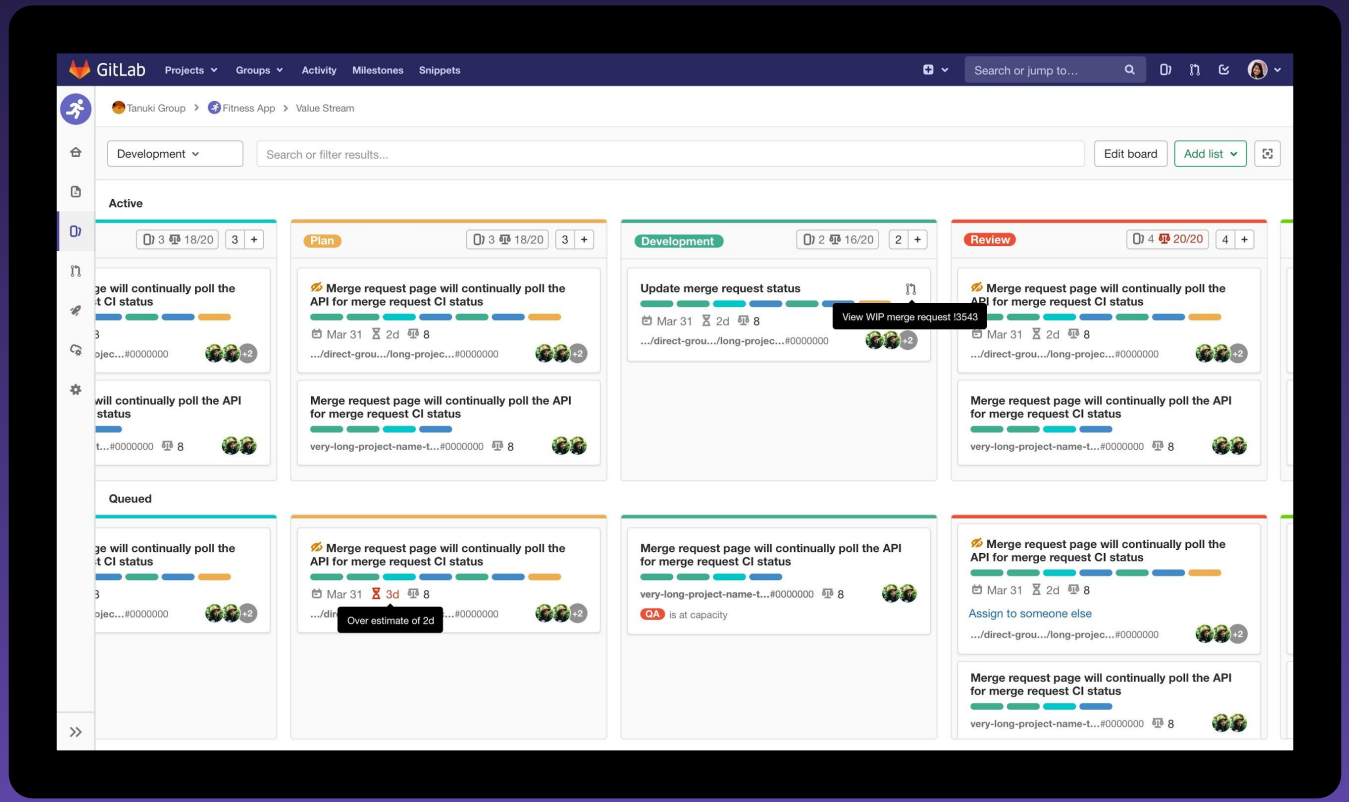
Breadth



New capabilities coming soon

Manage	Plan	Create	Verify	Package	Release	Configure	Monitor	Secure
Code analytics Workflow Policies Product Design Management	Program Management Requirements Management Value Stream Management		System Testing Acceptance Testing (UAT) Usability Testing Compatibility Testing	NPM Registry Rubygems Registry	Feature flags Binary authorization	Serverless PaaS Chaos Engineering Runbooks	Tracing Error Tracking Incident Management Service Status Page Production Monitoring	Interactive Application Security Testing (IAST) Web Application Firewall (WAF) Runtime Application Self-Protection (RASP)

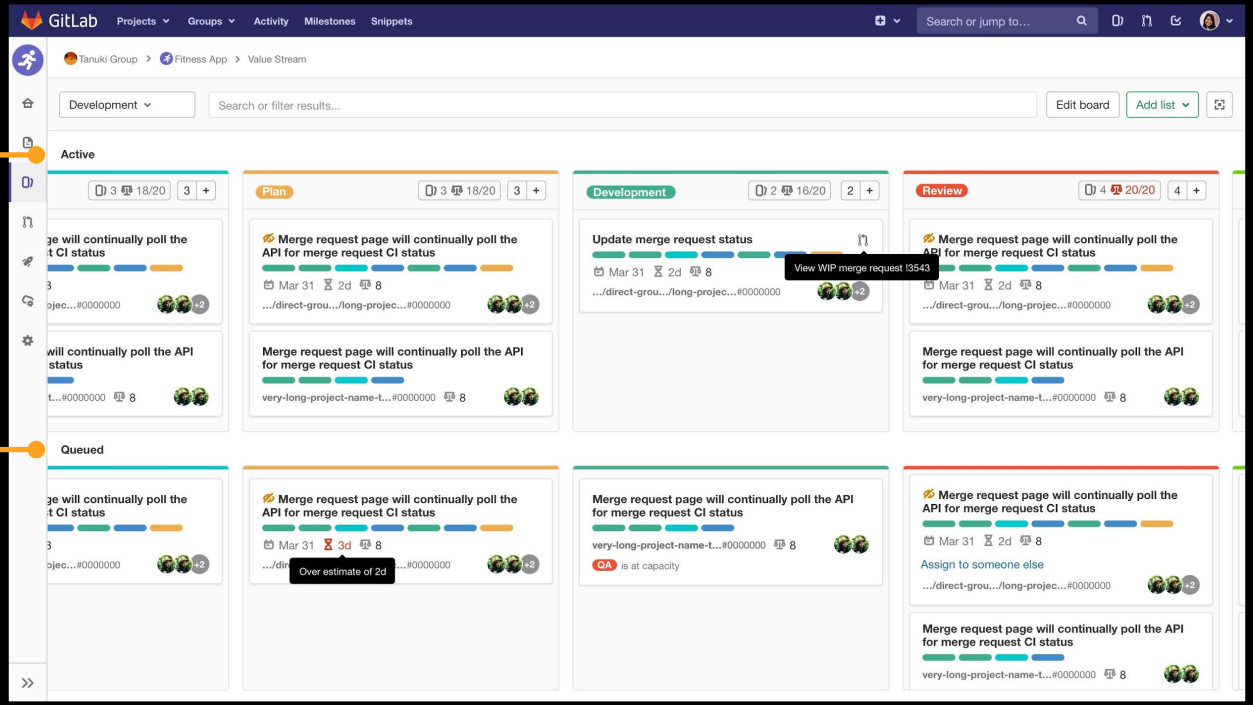
Executive flow: Value Stream Management



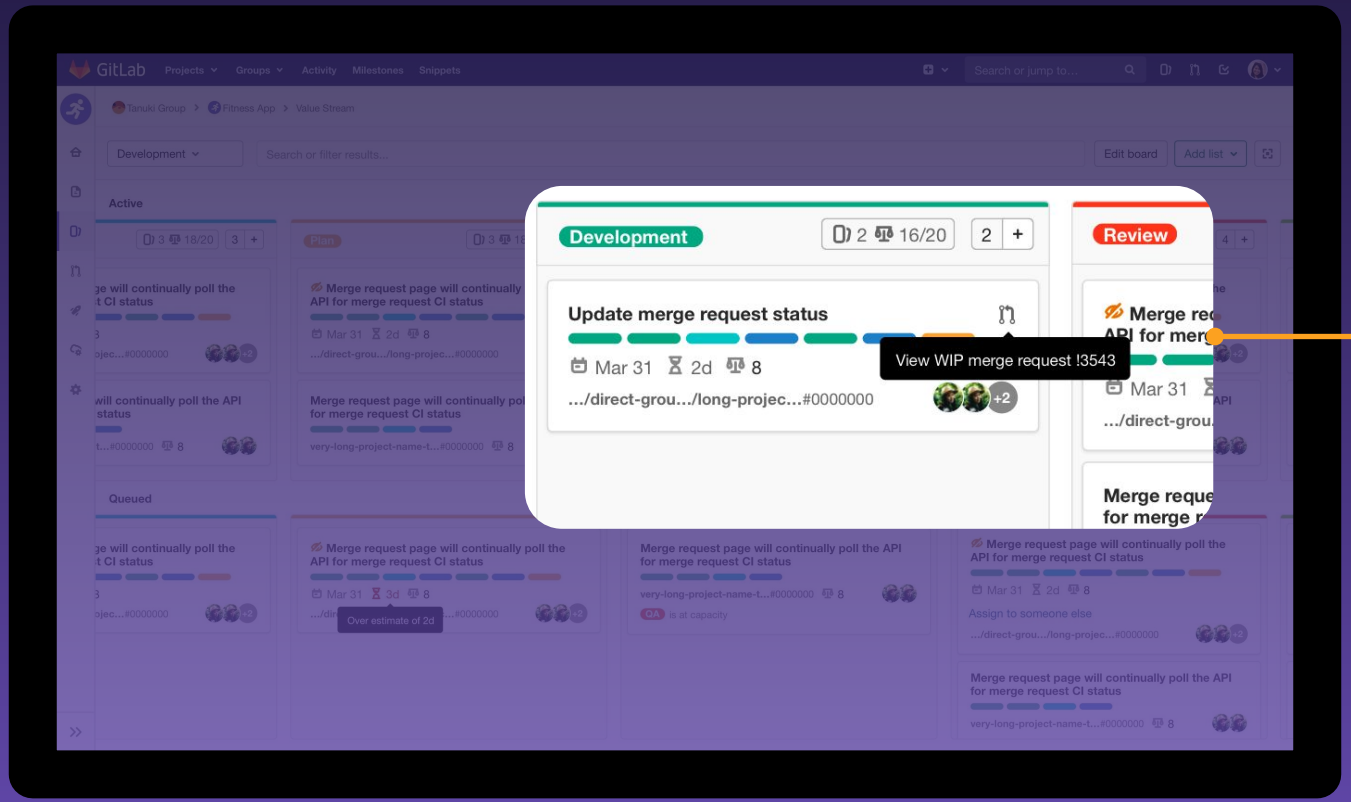
Executive flow: Value Stream Management

Active issues
Process time

Queued issues
Lead time

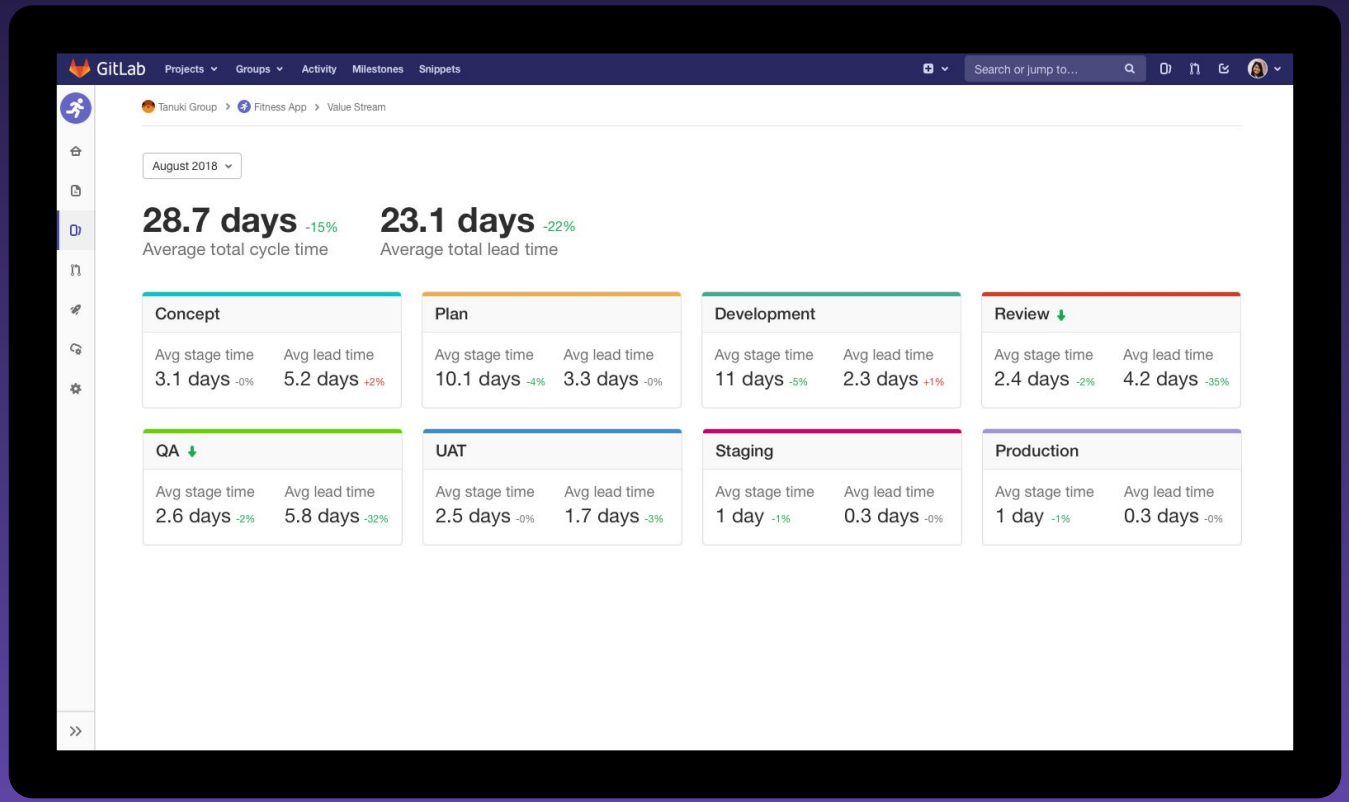


Executive flow: Value Stream Management

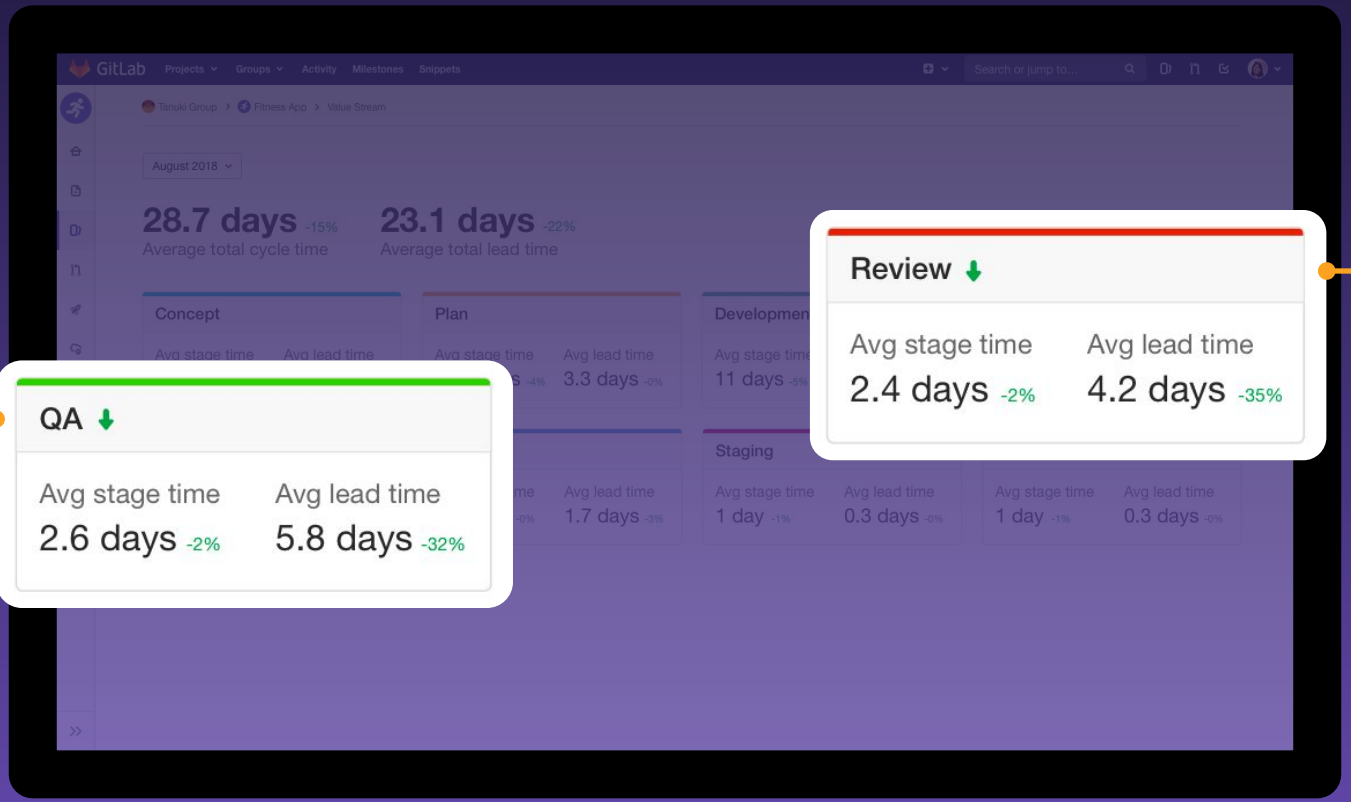


Automated workflow
Issues automatically move across stages

Executive flow: Value Stream Management



Executive flow: Value Stream Management

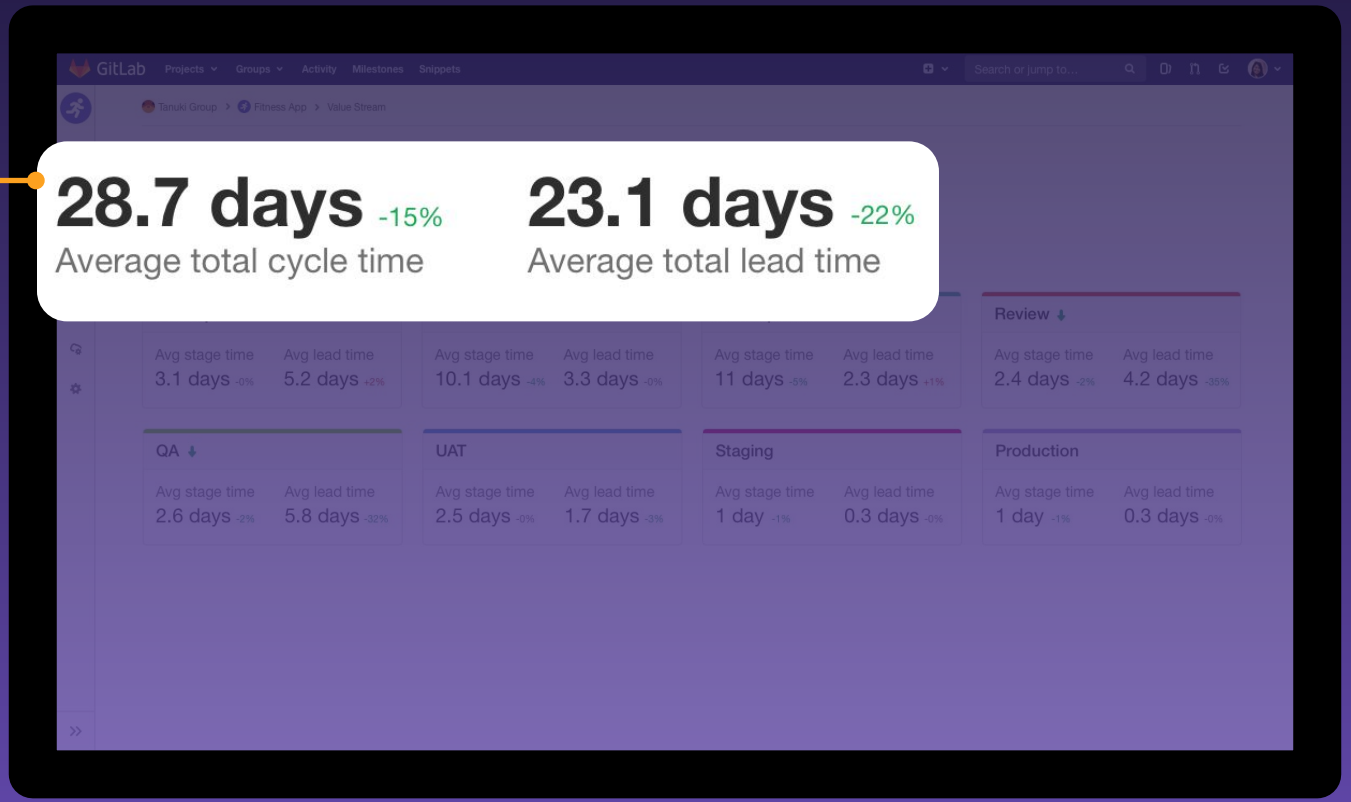


Reduced lead time by two days

Reduced lead time by three days

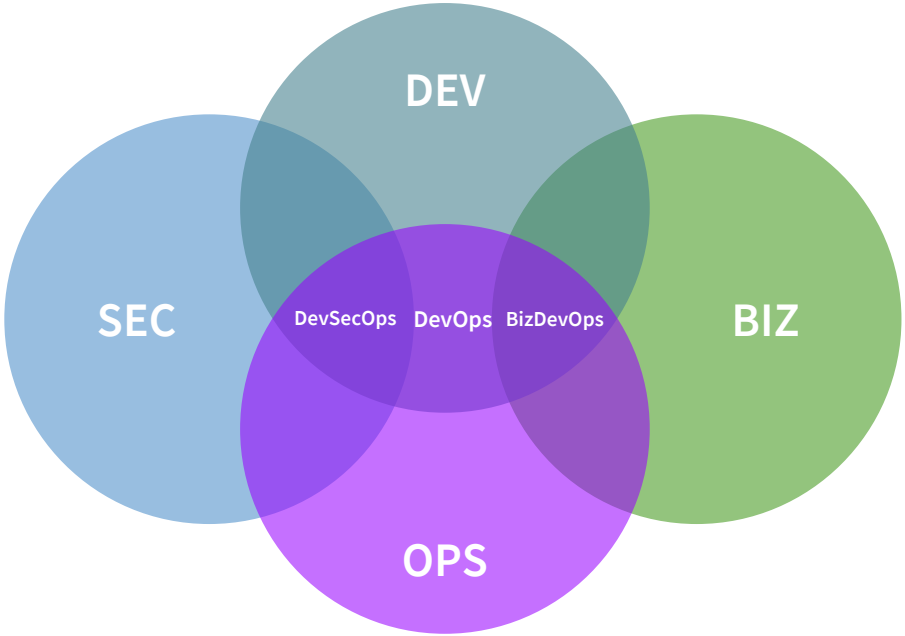
Executive flow: Value Stream Management

Monthly overview
Both cycle time and lead time have been reduced since the previous month



Roles

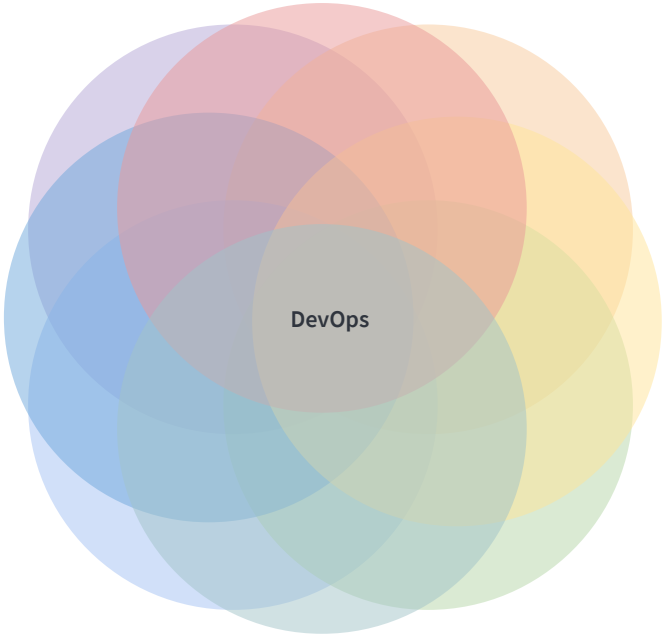
Roles



Dev + Sec + Biz + Ops

Single application

Roles - Everyone can contribute



Dev + Sec + Biz + Ops

Designers + Product Managers + Exec
Legal + Release Managers + QA

Single application

Questions?

about.gitlab.com/direction