Gitlab Auto-DevOps

CI-CD without breaking a sweat!

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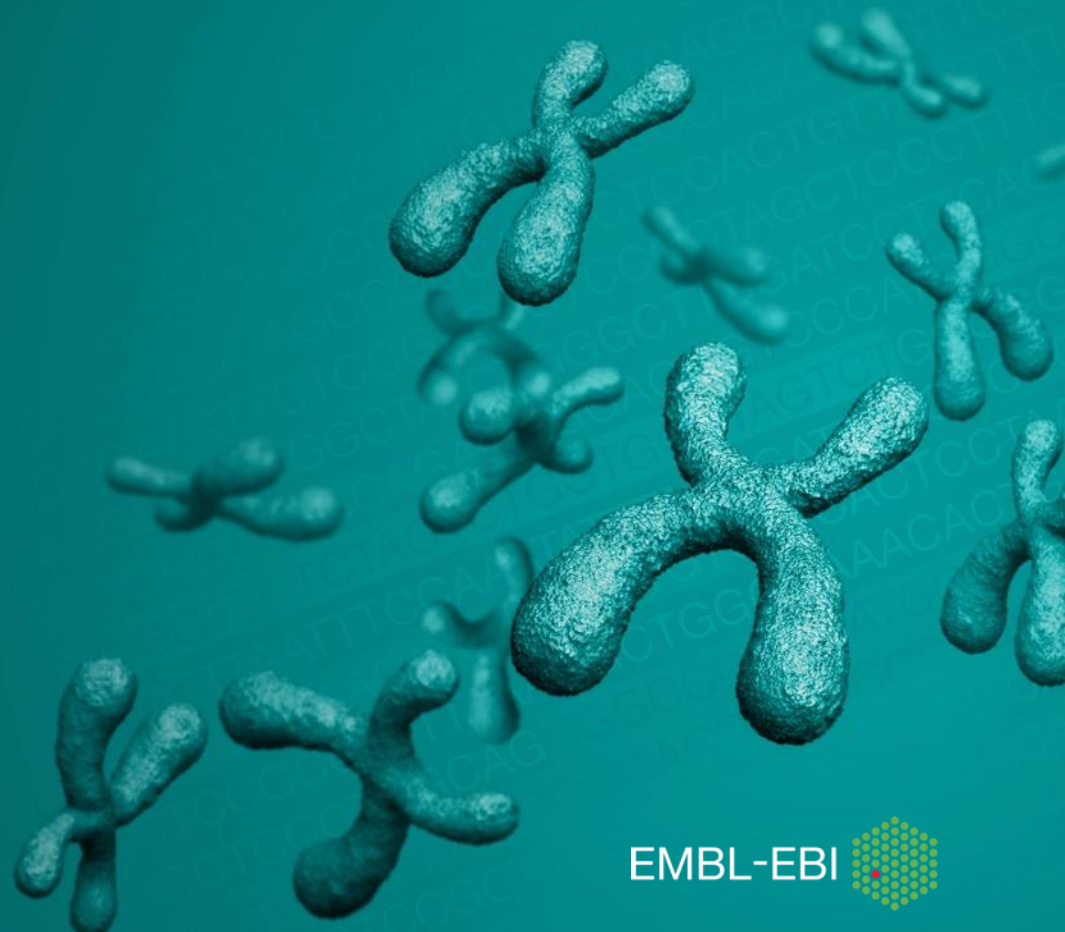

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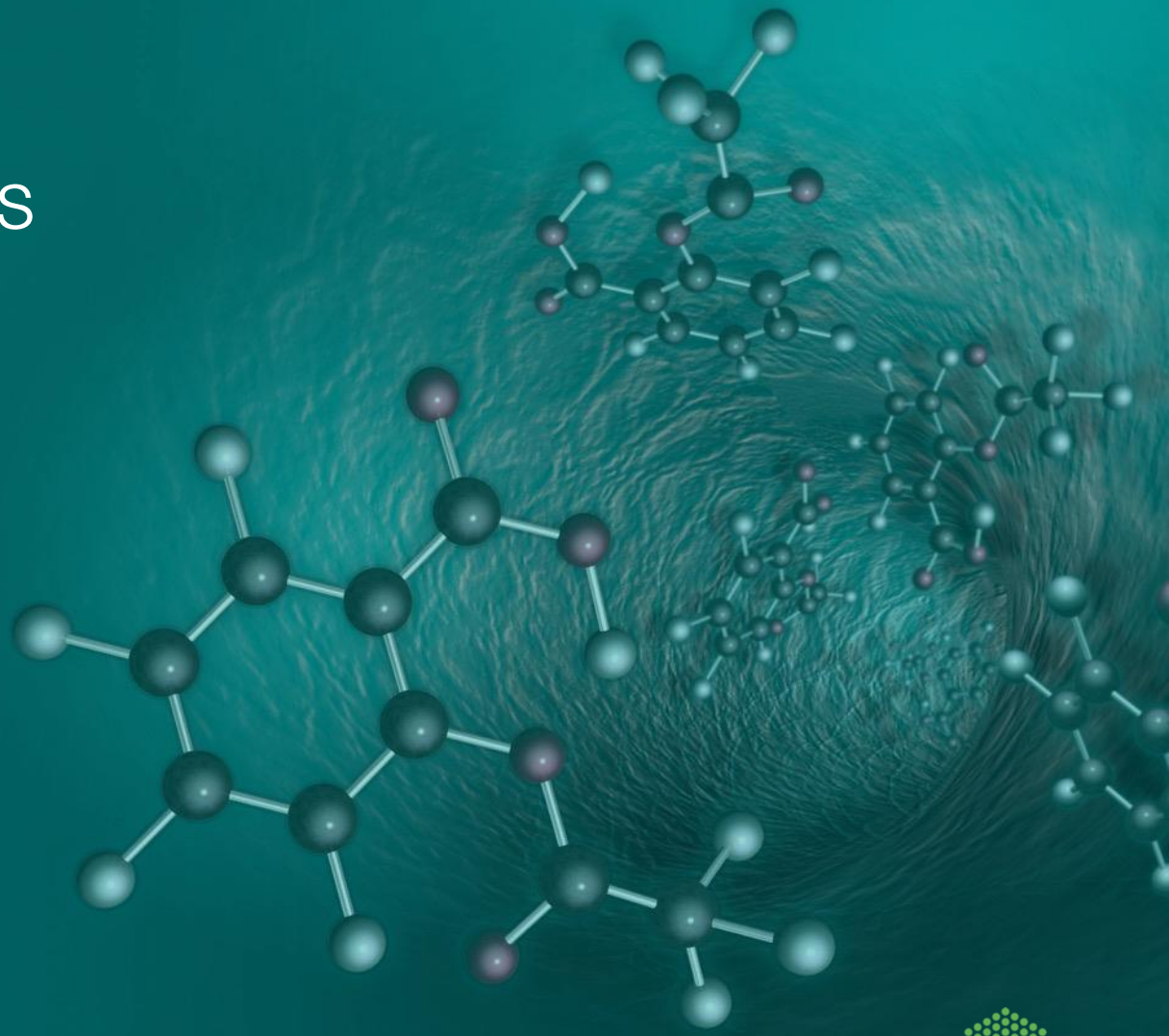
Gitlab Auto DevOps

- What is Gitlab Auto DevOps?
- Auto DevOps – pros and cons
- Pre-requisites
- How to use Auto DevOps
- Demo



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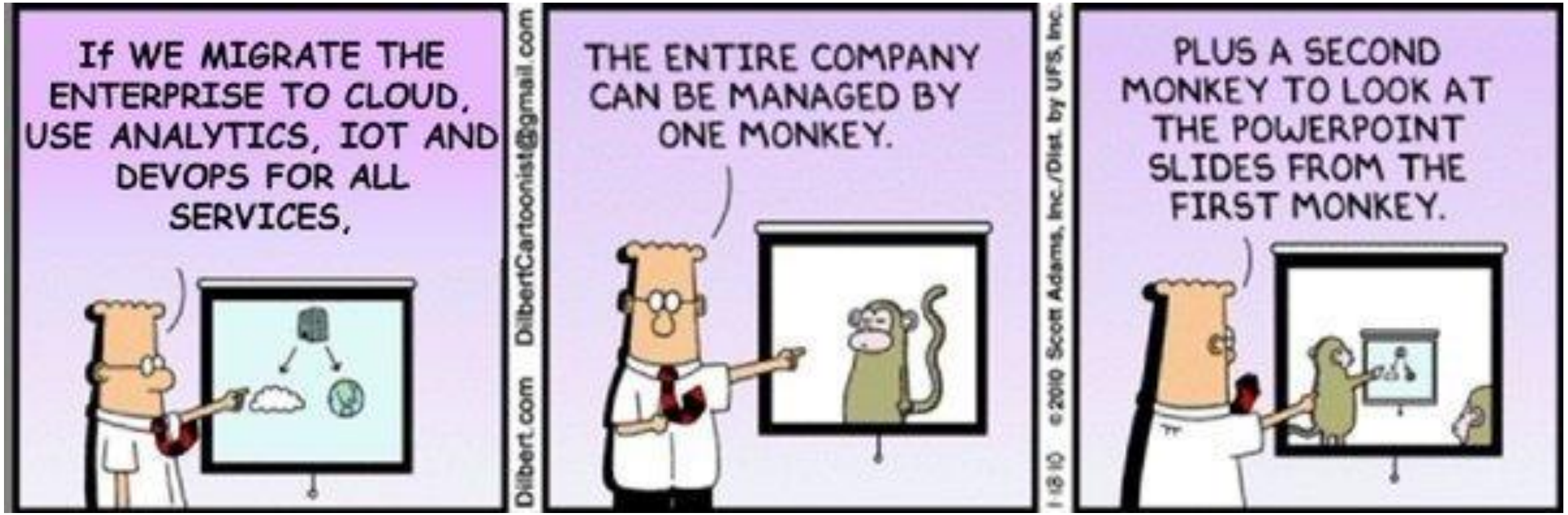
If WE MIGRATE THE ENTERPRISE TO CLOUD, USE ANALYTICS, IOT AND DEVOPS FOR ALL SERVICES,
THE ENTIRE COMPANY CAN BE MANAGED BY ONE MONKEY.
PLUS A SECOND MONKEY TO LOOK AT THE POWERPOINT SLIDES FROM THE FIRST MONKEY.
Dilbert.com DilbertCartoonist@gmail.com
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What is Gitlab Auto DevOps?

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Gitlab Auto DevOps

- Pre-defined CI/CD configuration.
- Allows you to automatically detect, build, test, deploy, and monitor your applications.
- Leverages CI/CD best practices and tools.
- Simplifies the setup and execution of a mature & modern software development lifecycle.

Auto DevOps – pros and cons

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Auto DevOps - Pros

- No scripting!
- Enables you to leverage DevOps best practices and tooling.
- Brings consistency on DevOps across projects

Auto DevOps - Cons

- Application needs to Kubernetes-native
- May not be suitable for application dependant on multiple services
- May misbehave if the deployed application is managed outside gitlab

Pre-requisites

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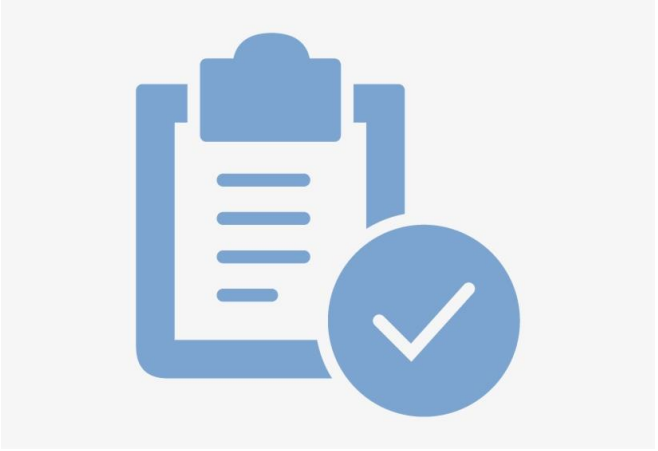
Auto-DevOps pre-requisites

- GitLab Runner – if using gitlab.com it comes with shared runners
- Base domain – can use nip.io
- Kubernetes – can be provisioned from gitlab instance
- Application
  - Should be listening to 5000 tcp
  - Should be stateless and Kubernetes-native
  - Recommended to have Dockerfile



How to use Auto DevOps

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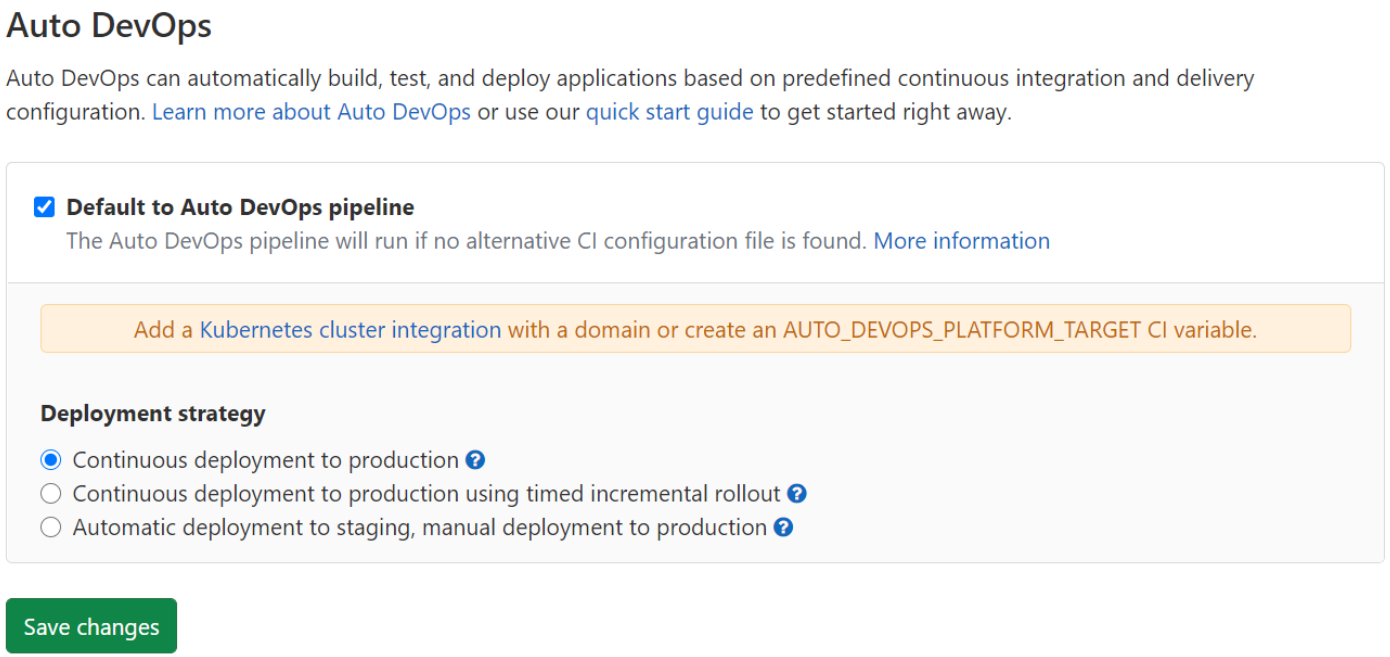
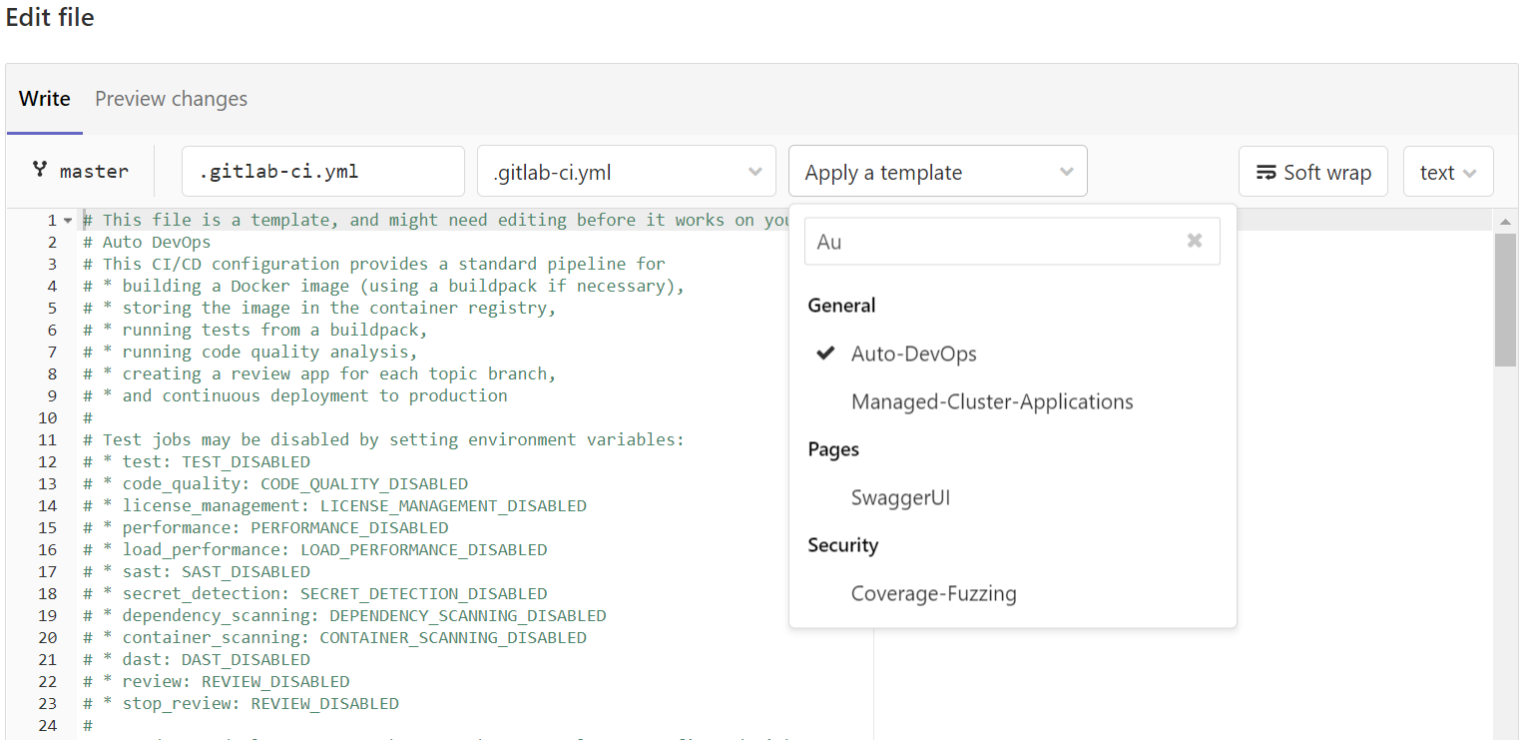
How to use Auto DevOps

- Can be enabled in Project Setting > CI / CD > Auto-DevOps



How to use Auto DevOps

- Can be added as a template while editing .gitlab-ci.yml



Demo

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Thanks, Our team.

David Yuan

Tony Wildish

Steven Newhouse

C.D.

Sammy

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