A Tall Tale of GitOps

PRASANJIT SINGH

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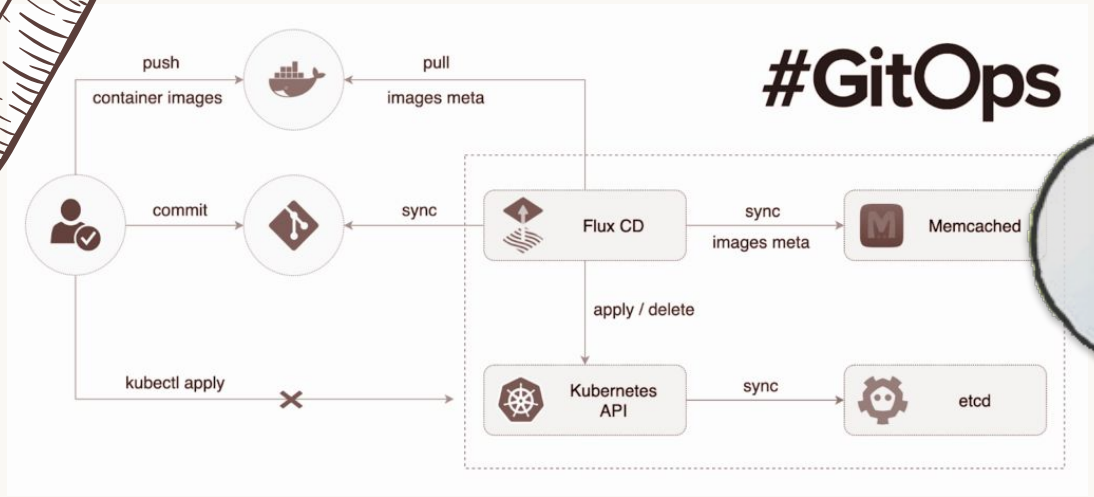
PRASANJIT SINGH

About Me!

- Director - Cloud & DevOps at Starzplay, Dubai.
- Instructor & SME (DevOps) at Coursera.
- AWS Community Builder.
- Speaker at Tech Meetups.
- Researcher with published journal papers.
- Free DevOps Education Initiative - **youtube.binpipe.org**

What's Cooking?



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Unicorn Poop!

Git Bee joins the Cake Shop

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Granny Bee's Problems

Gitbee's Tagging Idea!

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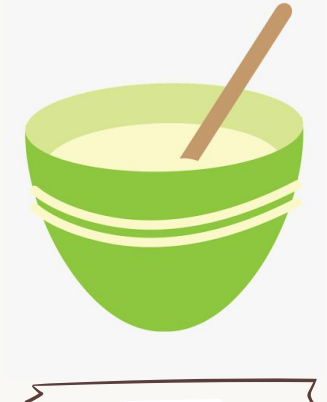
chocolate

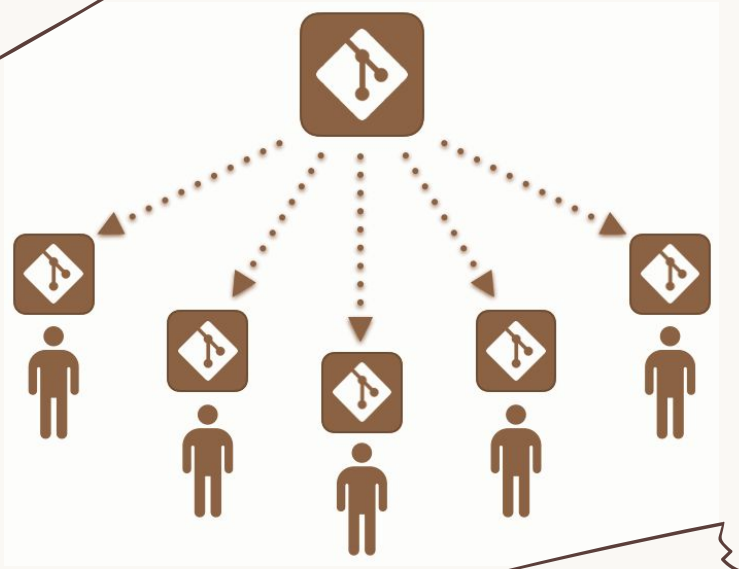
white



yellow

marble

What is Git?



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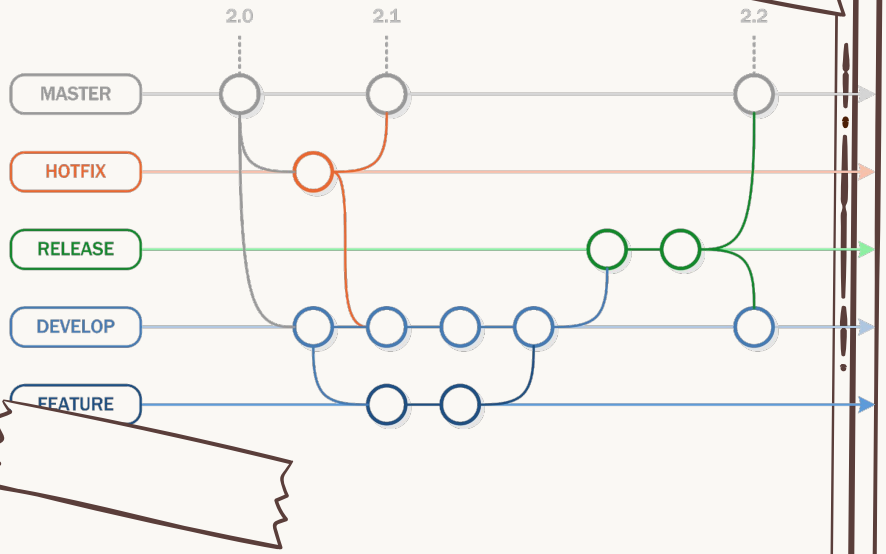

Granny Bee's Problems

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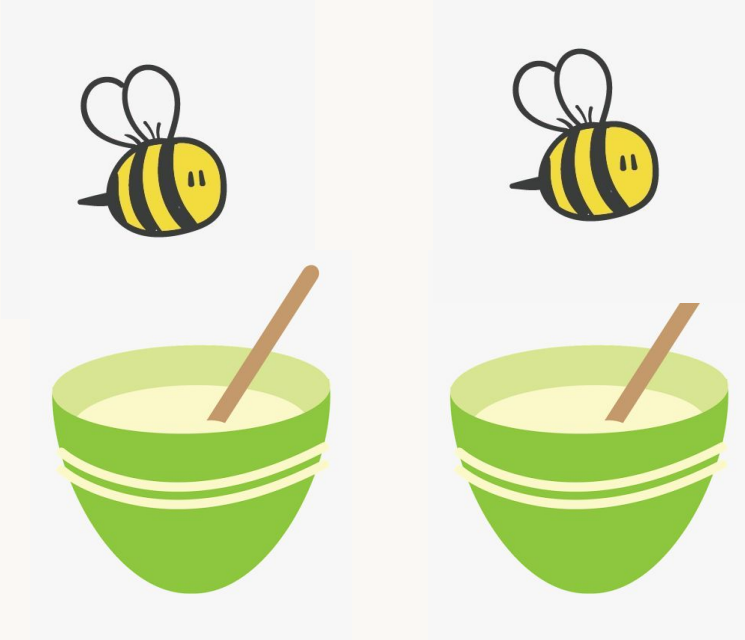
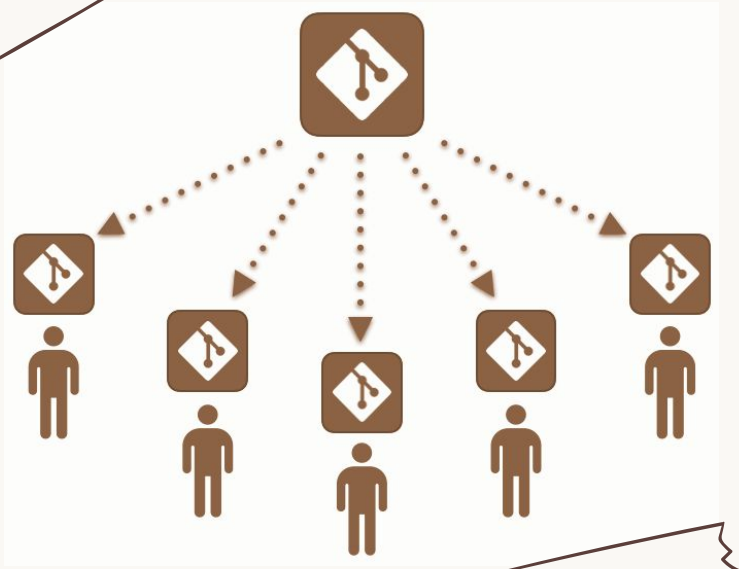


What is Git?



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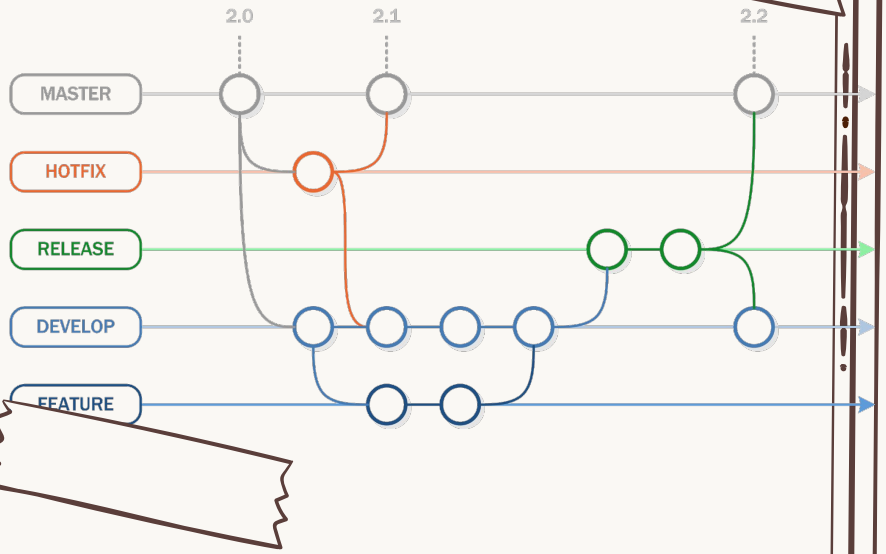
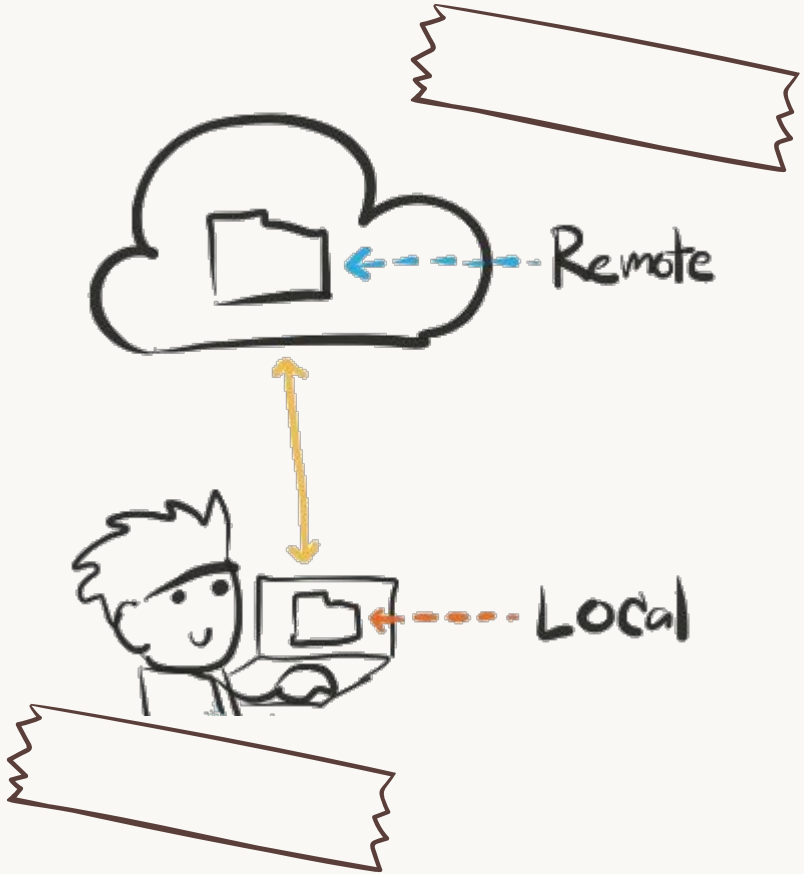


Features of Git

- Tracks history
- Free and open source
- Supports non-linear development
- Creates backups
- Scalable
- Supports collaboration
- Branching is easier
- Distributed development



Baking Steps

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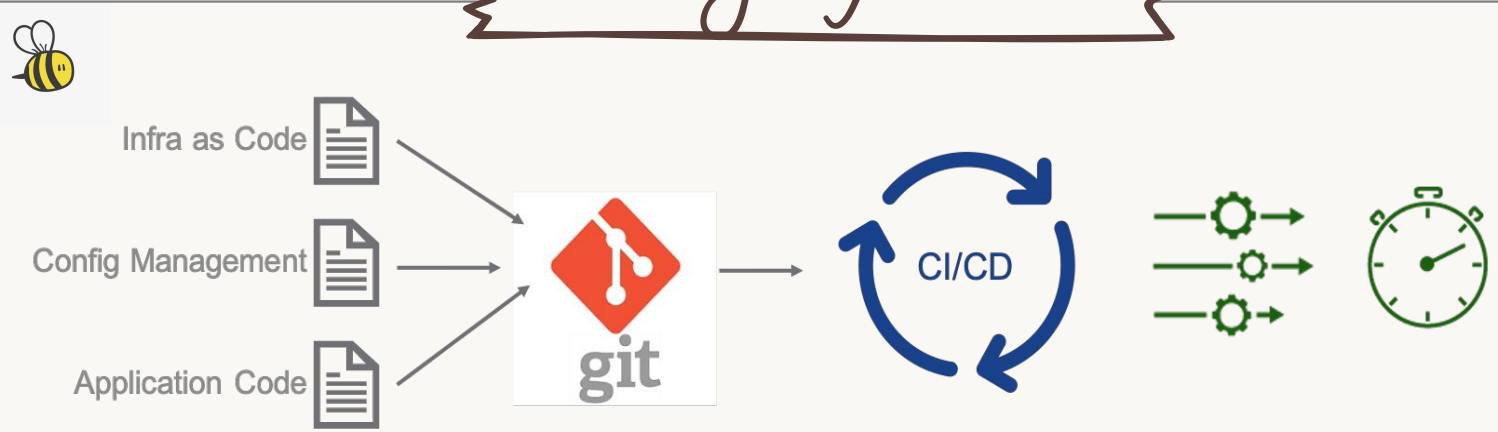
GitOps?



"Source of Truth" for declarative code

Update to code source triggers a pipeline

Pipeline runs a series of tasks, resulting in the update of the runtime environment to match the source

The Queen's Order!

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The Cause & Effect Machine!

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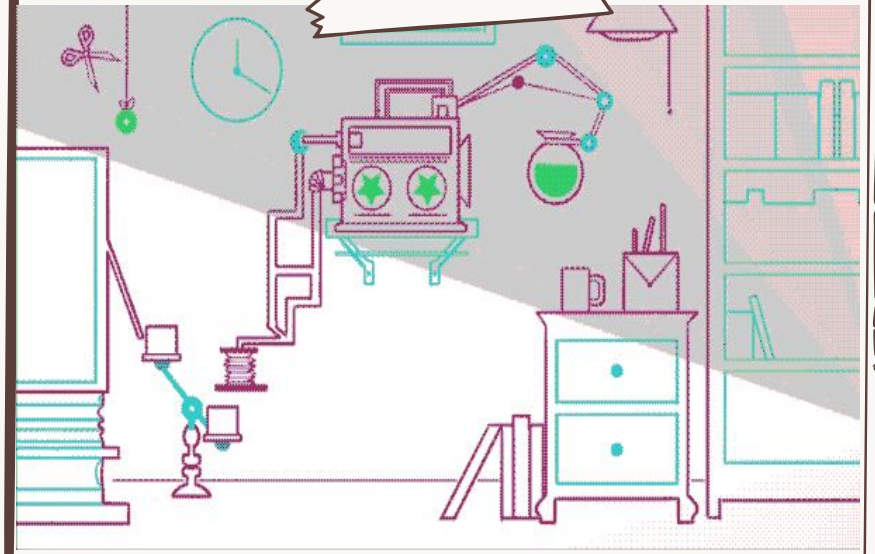
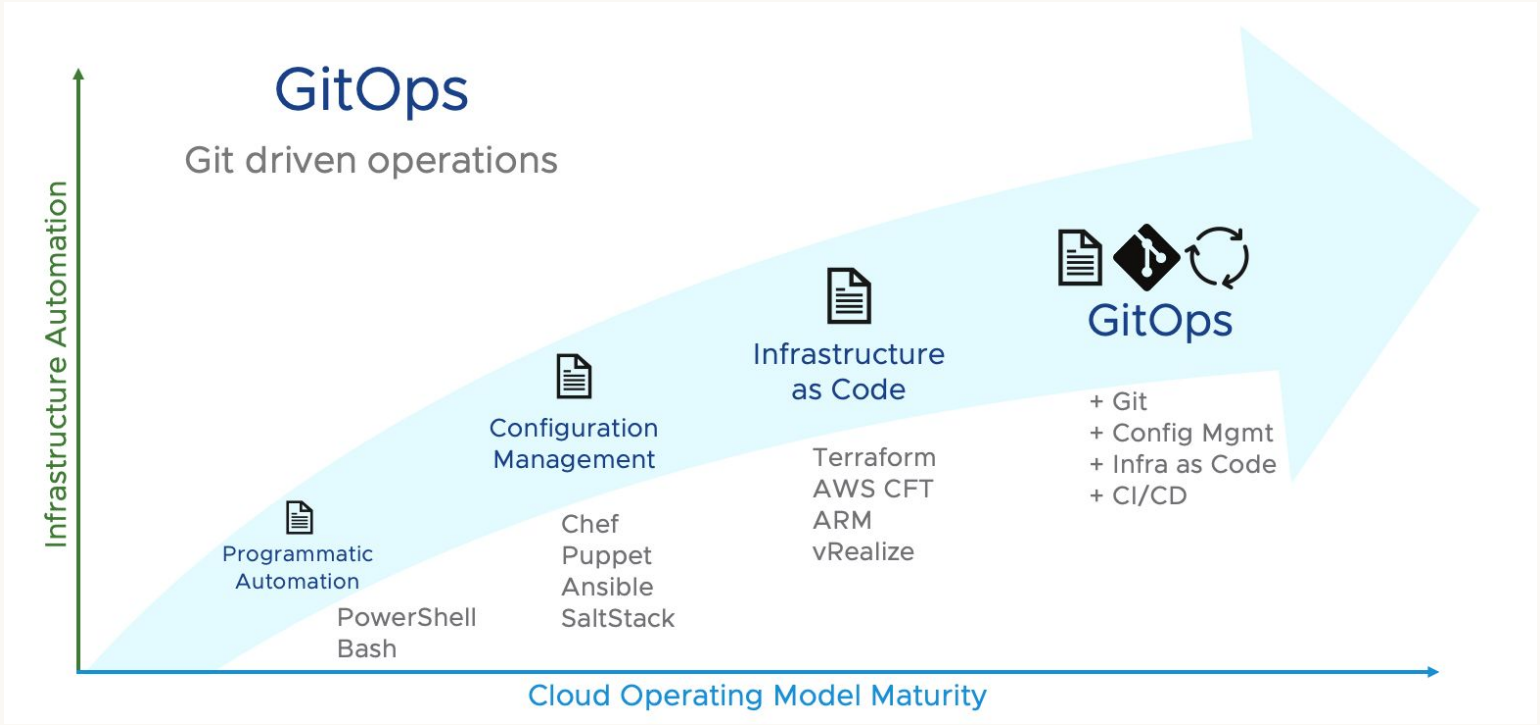
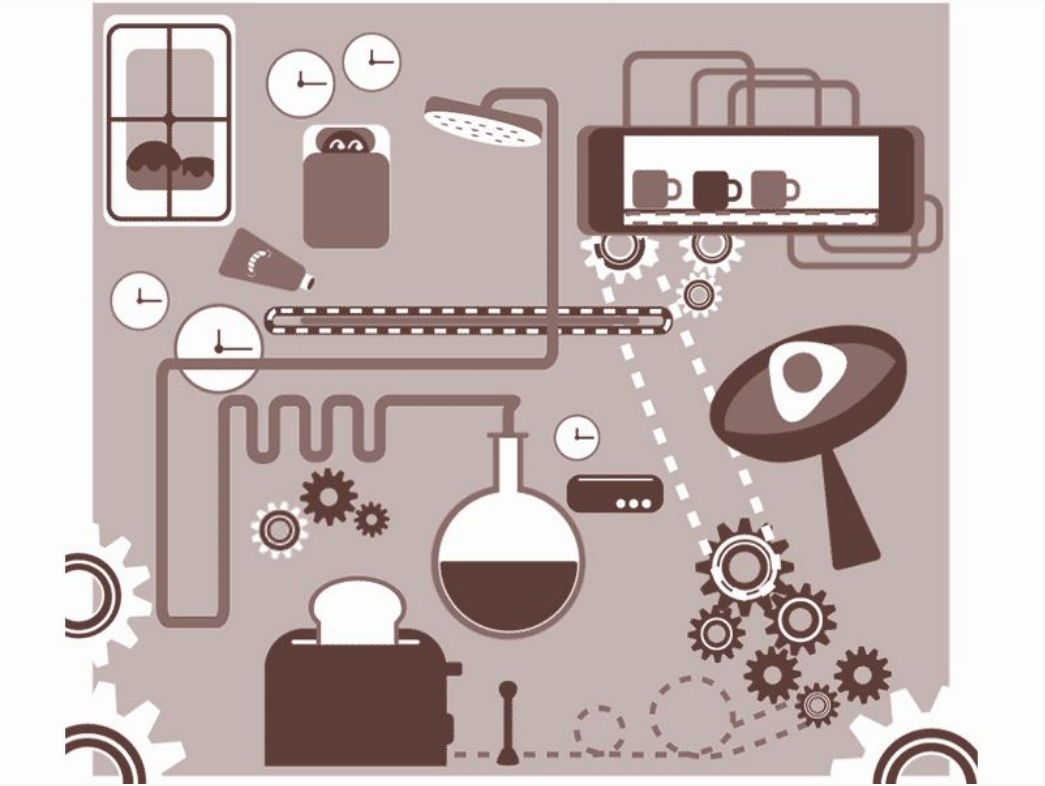


GitOps


GitOps
Git driven operations
Infrastructure Automation
Programmatic Automation
PowerShell
Bash
Configuration Management
Chef
Puppet
Ansible
SaltStack
Infrastructure as Code
Terraform
AWS CFT
ARM
vRealize
GitOps
+ Git
+ Config Mgmt
+ Infra as Code
+ CI/CD
Cloud Operating Model Maturity

The Cause & Effect Machine!



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GitOps Tools

The Bee Award!

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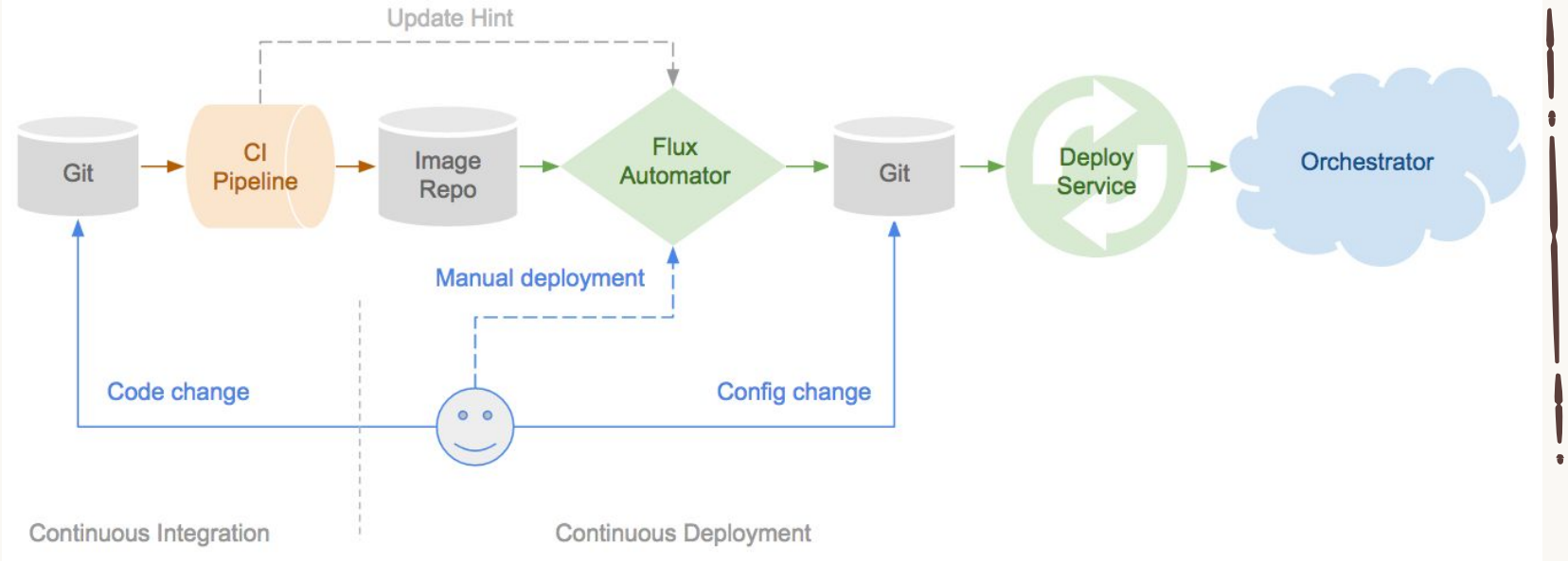
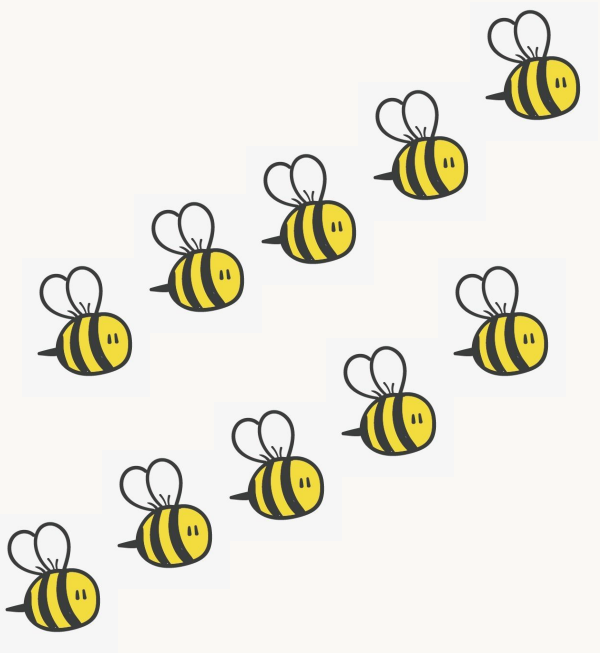
GitOps Best Practices



It's celebration time!



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Thank You!

Subscribe to my channel **BINPIPE** on Youtube!
Reach me at **prasanjit.singh@binpipe.org**

&

Check out https://github.com/prasanjit-/awesome-gitops

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