

Introduction to GitOps

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About Me

Cloud Specialist at AHEAD

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Traditional Software Development



Code

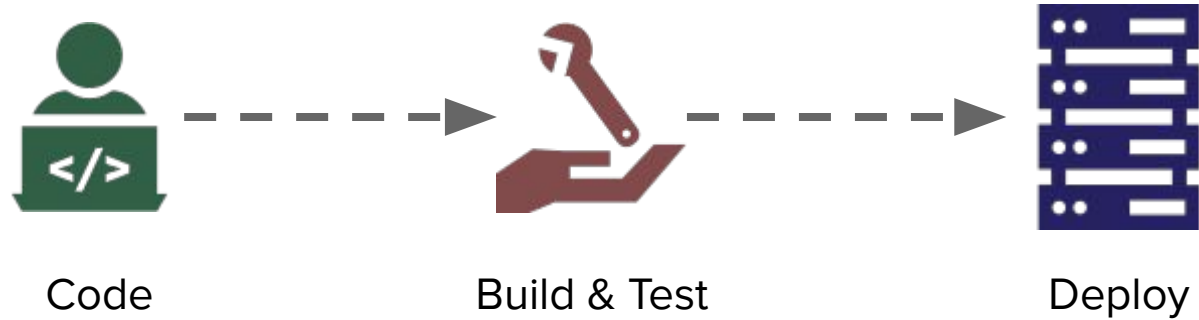


Build & Test

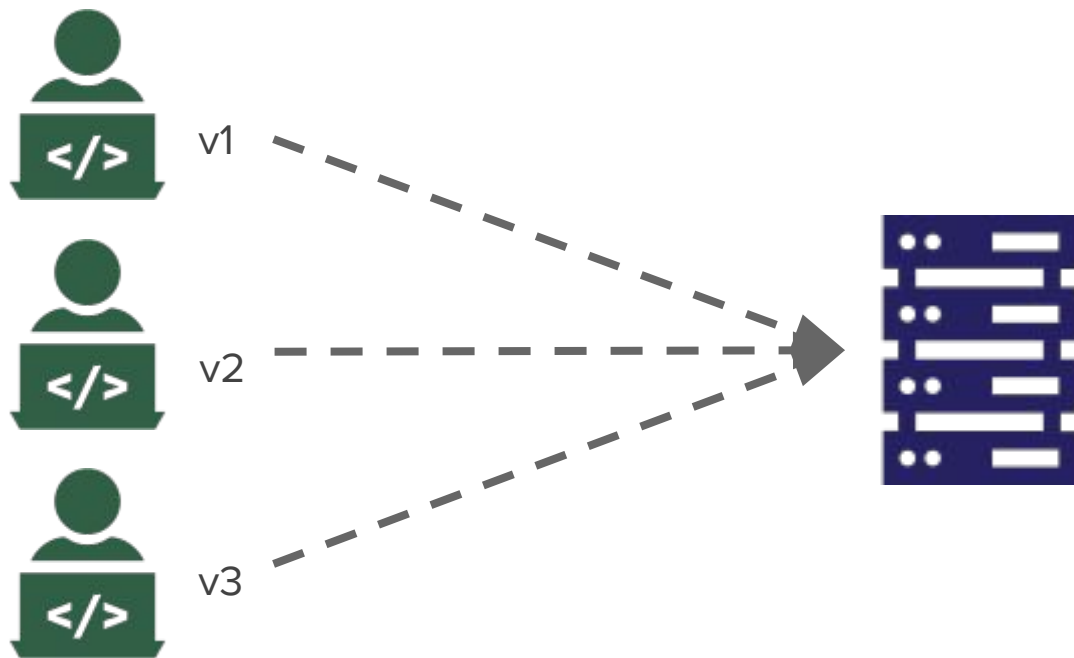


Deploy

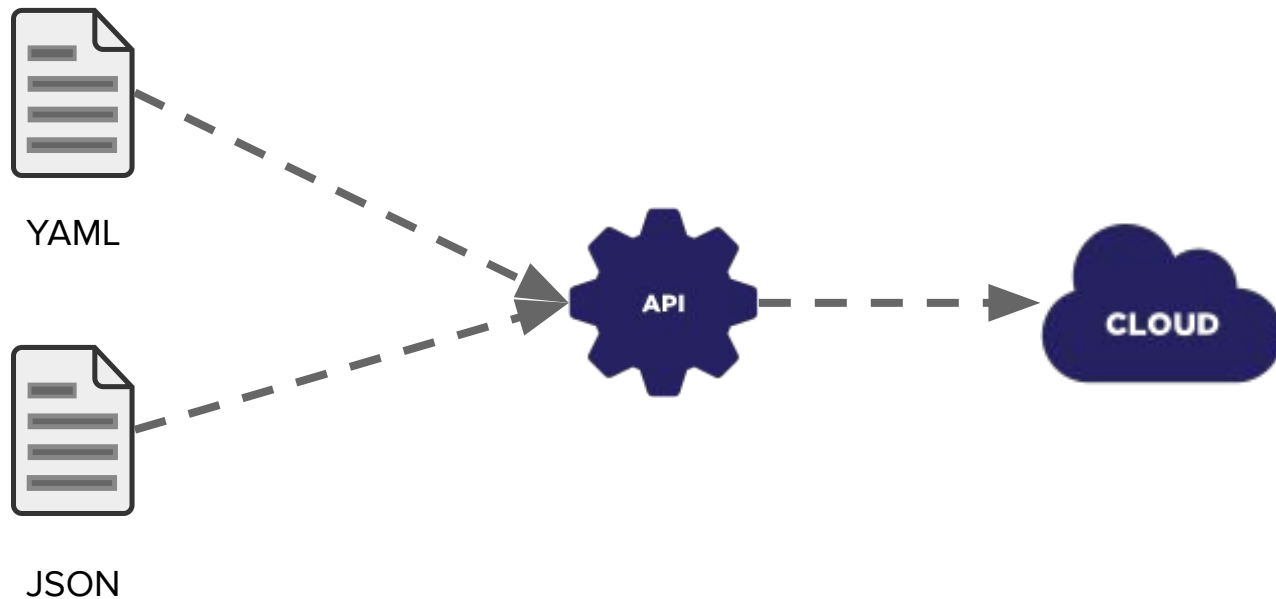
Continuous Integration and Deployment



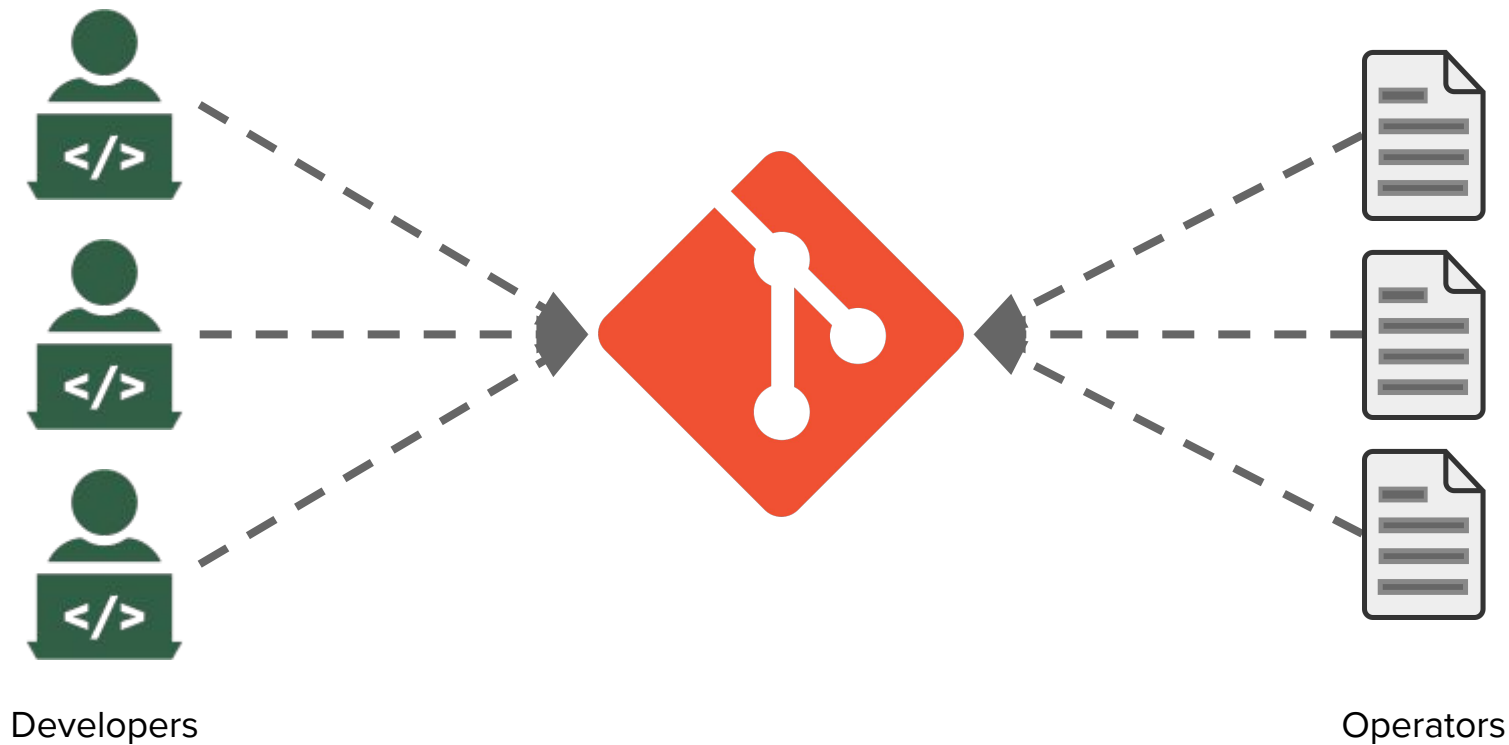
Dynamic Code w/ Bespoke Infrastructure



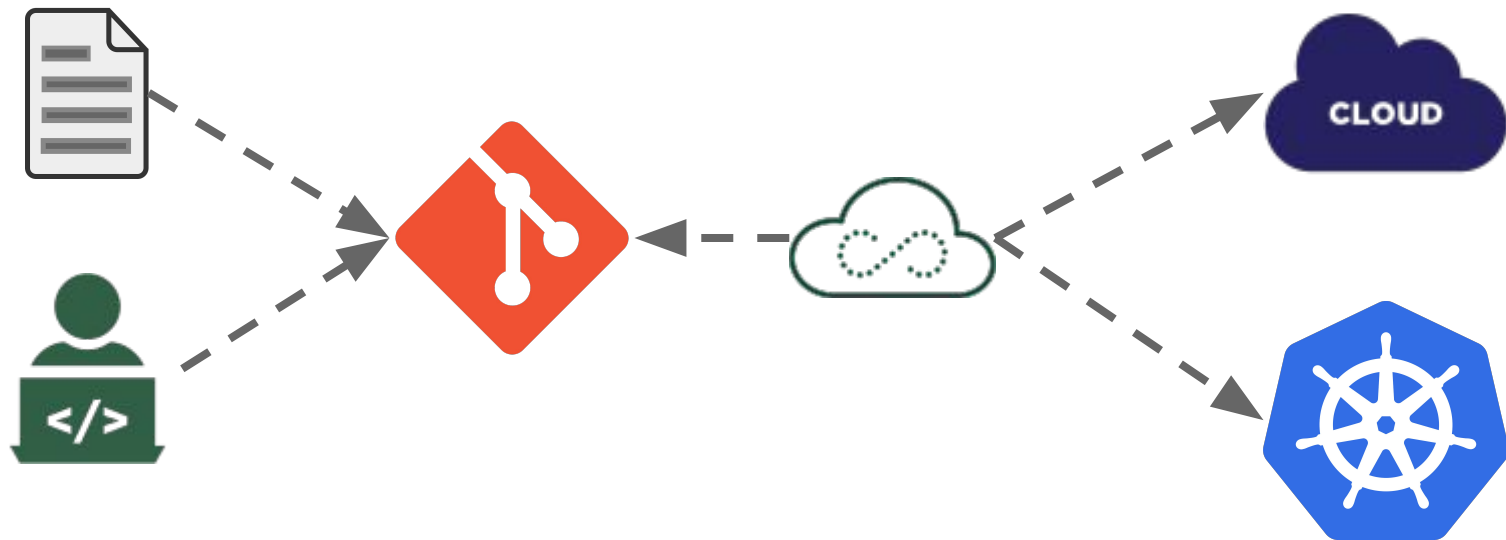
Infrastructure as Code



Git is at the Center of All the Code



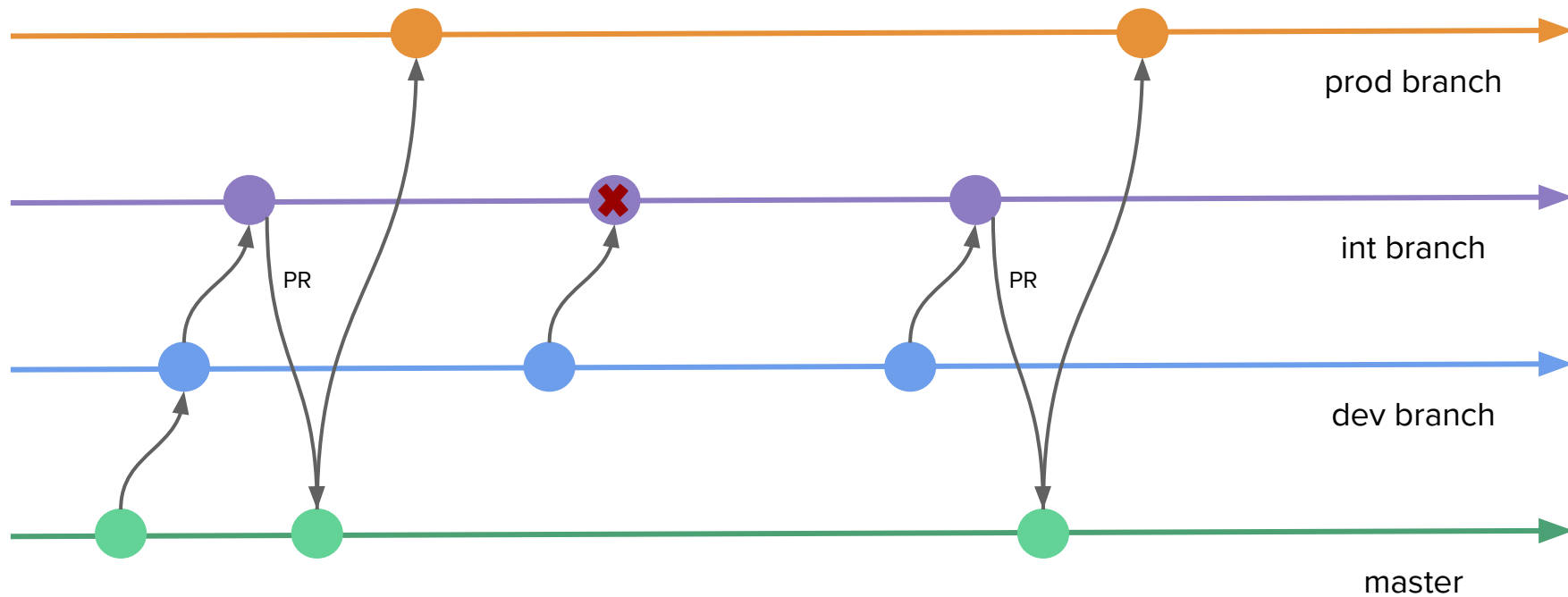
GitOps



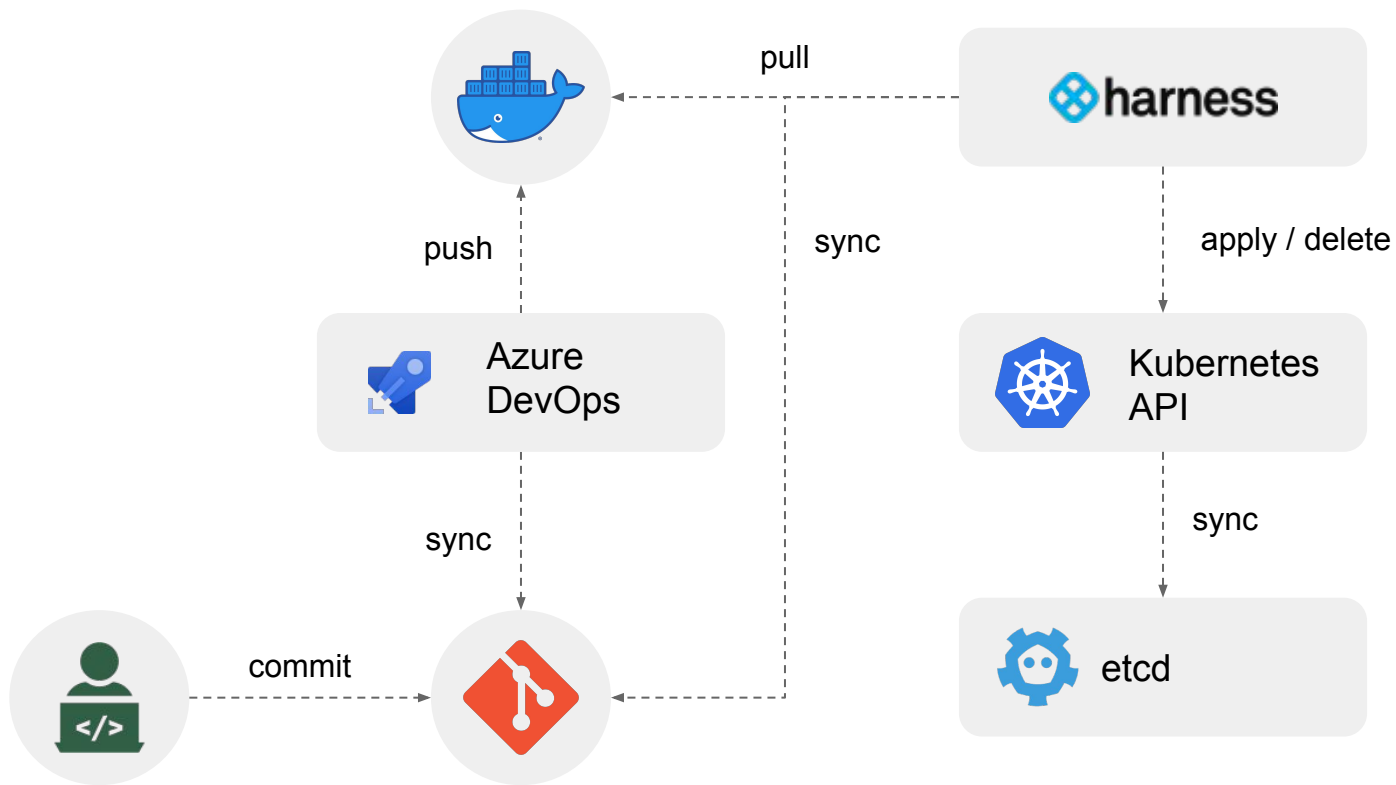
Why Git?

- Developers already use git; developers and operators can play nicely
- Infrastructure is automatically versioned; auditing and reporting can be done on the full version history
- Rollbacks are easy; just revert a commit
- Peer reviews are inherent for every change; pull requests can be used to submit review of a change

GitOps Flow



Architecture



Thank You!
