



DevOps implementation on Kubernetes

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◆ **01** Challenges ◆

02 DevOps Architecture

03 Tool Chain and Deployment

04 Future

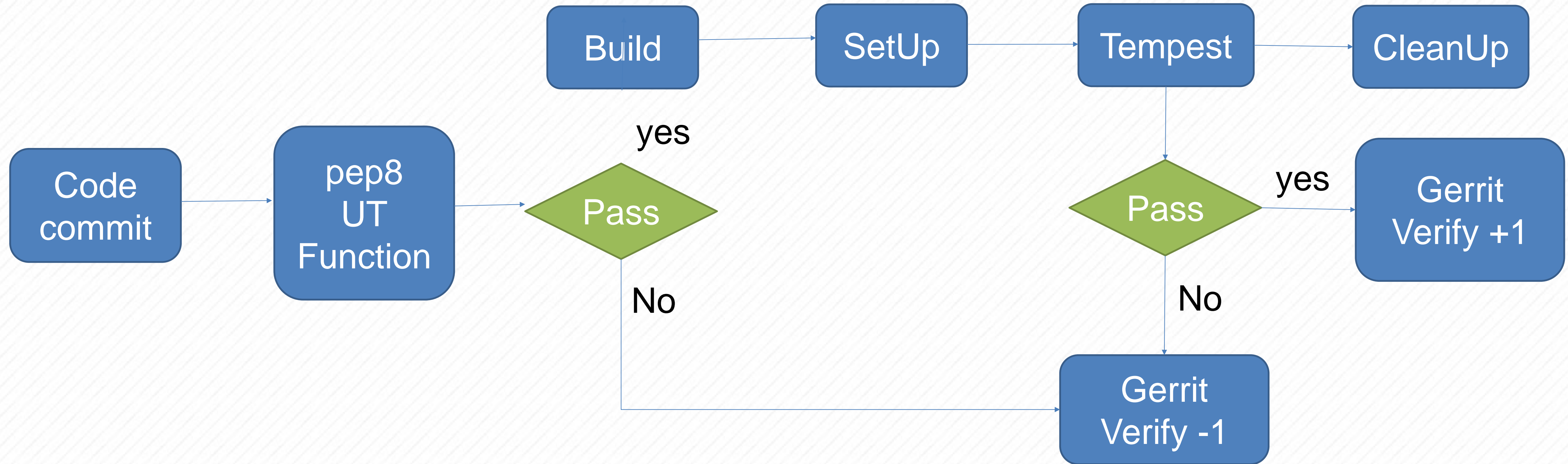
1. On Demand Release
1. Quality Ensurance for production-level
High Availability & Reliability & Performance
1. Eat your own dog food
1. Smoothly Upgrade

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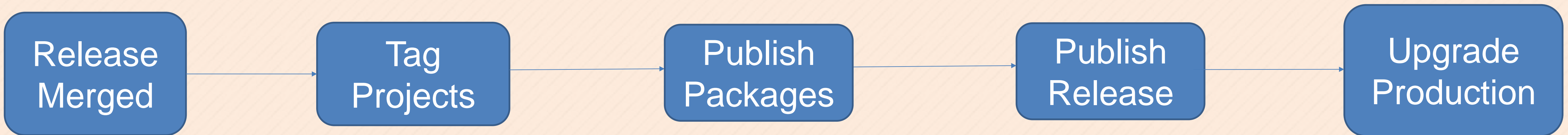




Pre-Release



Post-Release



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1. Zuul V3 is used
1. Build Zuul and Nodepool Images
1. Deployed by helm chart
1. CD zuul itself
1. Refactor jobs for internal usage

1. OpenStack in OpenStack -- deploy one OpenStack with multiple nodes in OpenStack
1. OS in OS is deployed by heat templates
1. Set vlan trunk for networks used in the inner OS

1. Deployer -- The auto-deploy and auto-upgrade tool for openstack, also used to deploy OS in OS
1. Event Mesh -- Extend the notification policy easily
1. Rally & Tempest -- Integration & performance testing for reliability
1. Chaos Monkey -- HA testing

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1. Monitor & Log Analysis
1. Dashboard for CICD
1. Integration with Jira
1. Delivery as PaaS



THANK YOU



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