

# Cloud Infrastructure

2mm shift

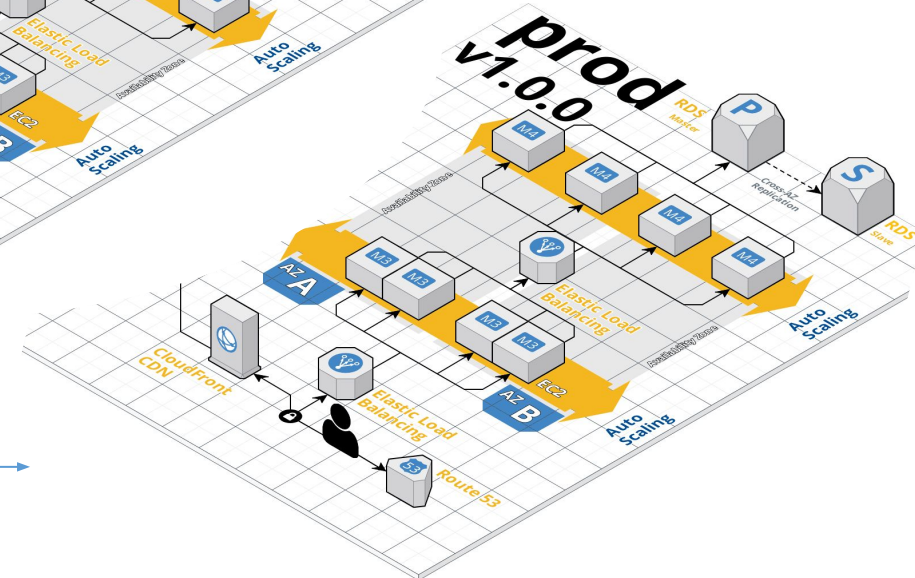
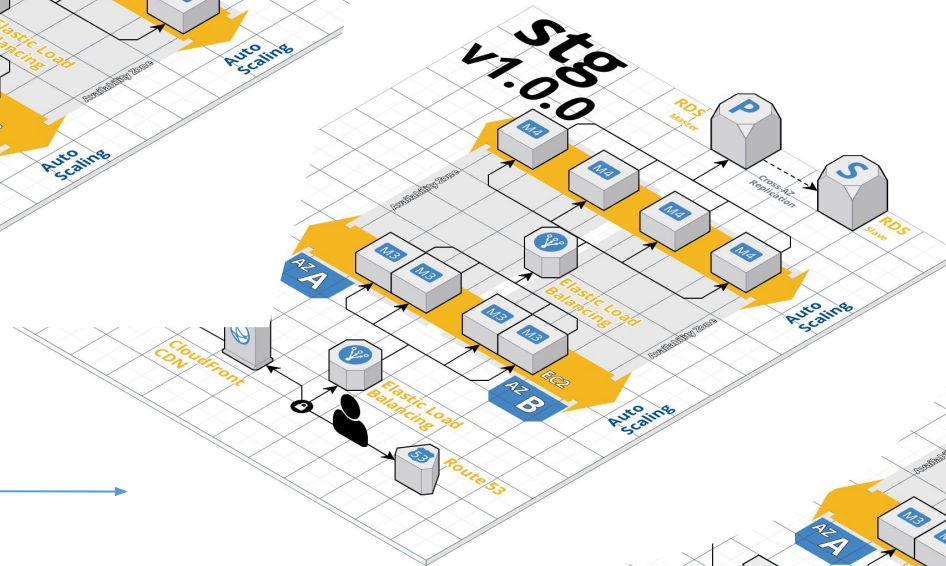
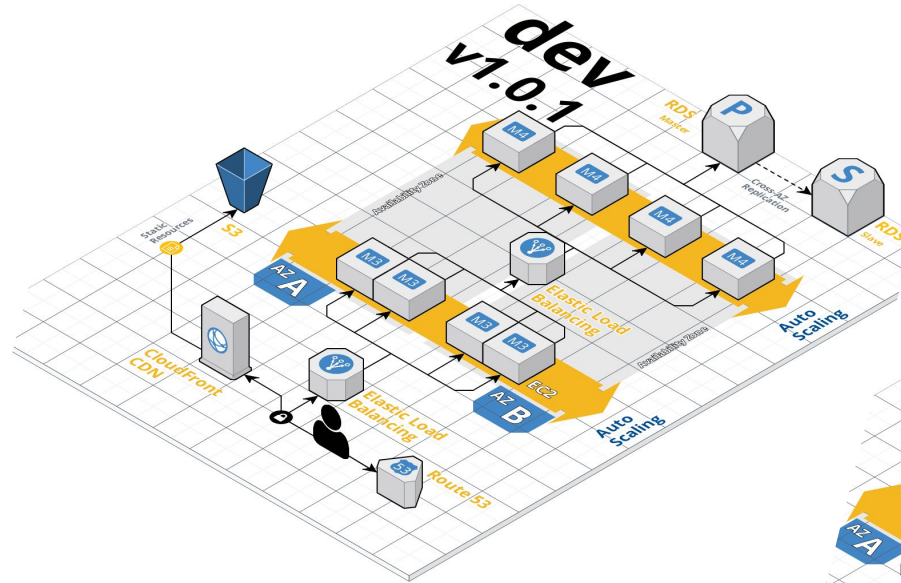
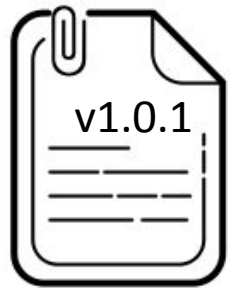
to showcase my design patterns

Based on

OpenStack, AWS CloudFormation and other design patterns

# Immutable, Consistent/Repeatable & DRY stack

2mm shifts beyond cloud, DevOps and docker



# Design Patterns: Maintainability and Velocity

First principles

1. CI/CD-driven
2. OpenAPI-driven development
3. Security as a core value

Value driven: Maintainability and Velocity

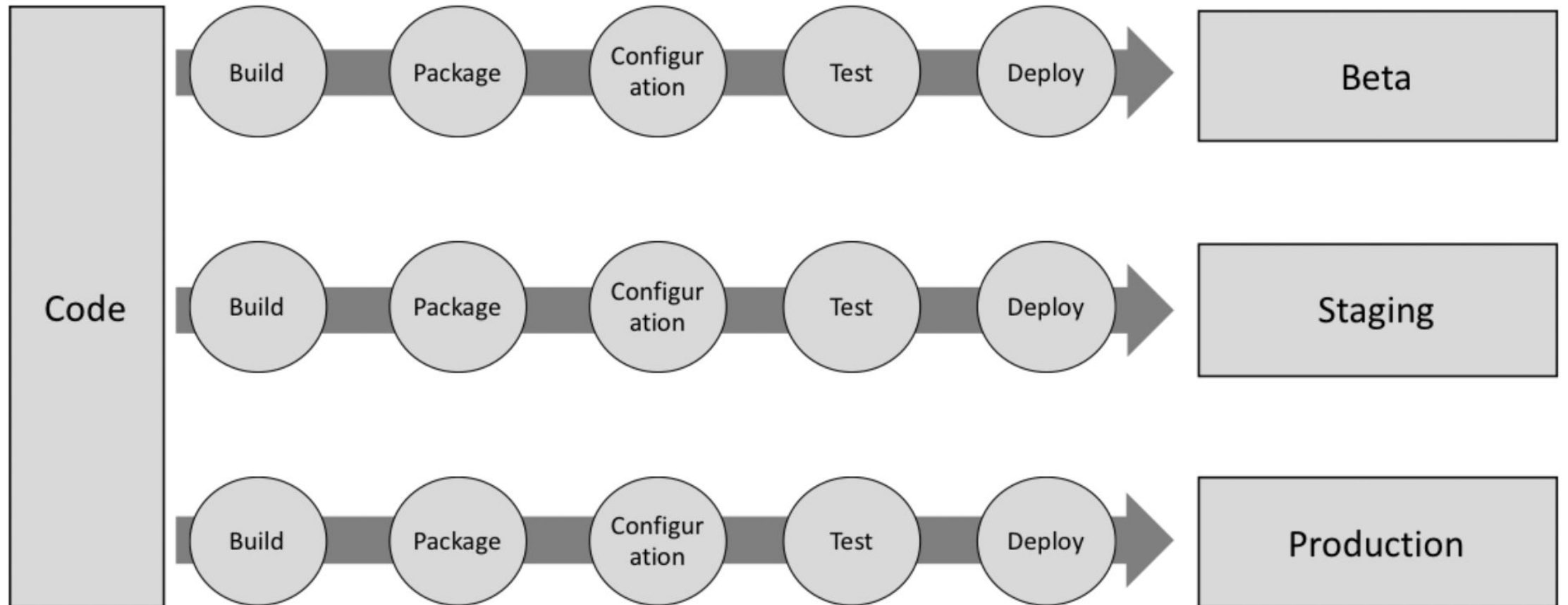
# Design Patterns: Maintainability and Velocity

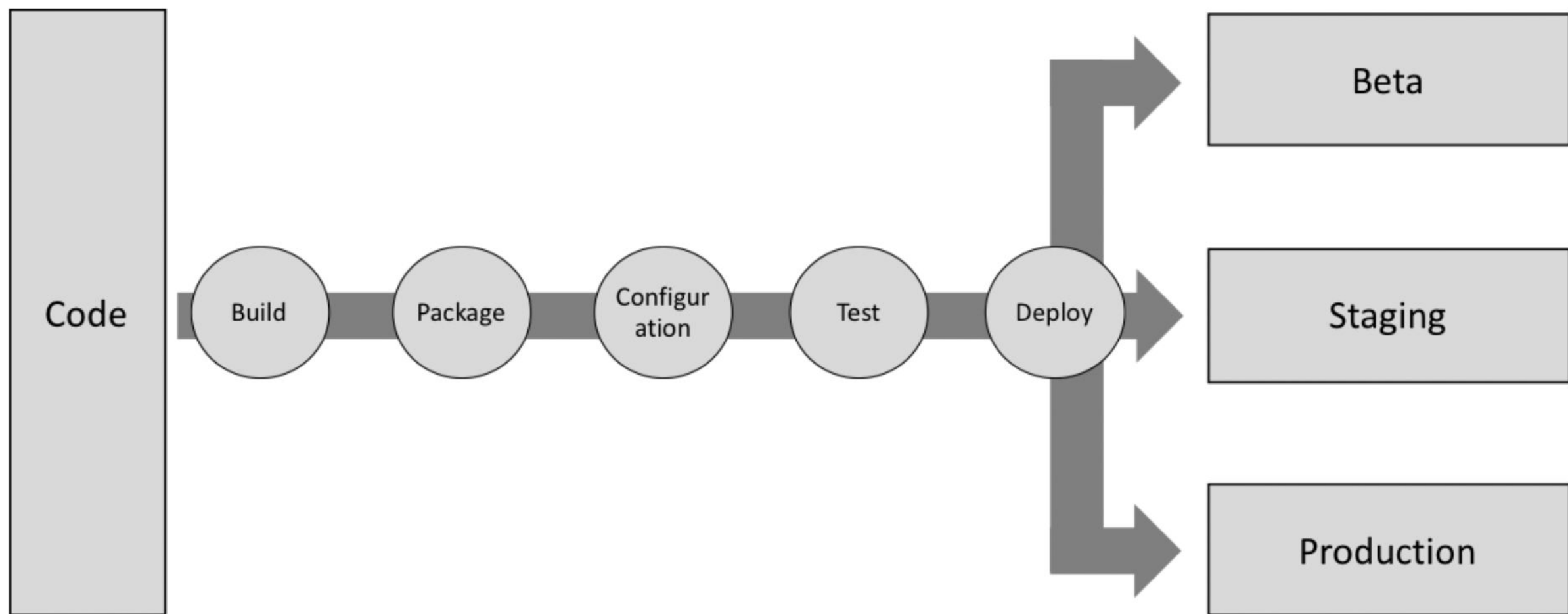
1. 2mm shifts
  - Immutable Multi-tenancy infrastructure deployments
    - VPC per account
    - DNS/Route53-driven
  - DRY and **Reusable** Stack
    - Terragrunt, Immutable Infrastructure Composition
2. CI/CD-driven
  - Azure DevOps - Release Flow
3. Highly-Secure APIs
  - Private APIs with custom domains
  - Compliance: OAuth2/OpenID Connect first

# References

- Associating a transit gateway across accounts
  - <https://docs.aws.amazon.com/directconnect/latest/UserGuide/multi-account-associate-tgw.html>
- Landing Zone | Implementations | AWS Solutions
  - <https://aws.amazon.com/solutions/implementations/aws-landing-zone/>

# Mutable deployments





Immutable deployments