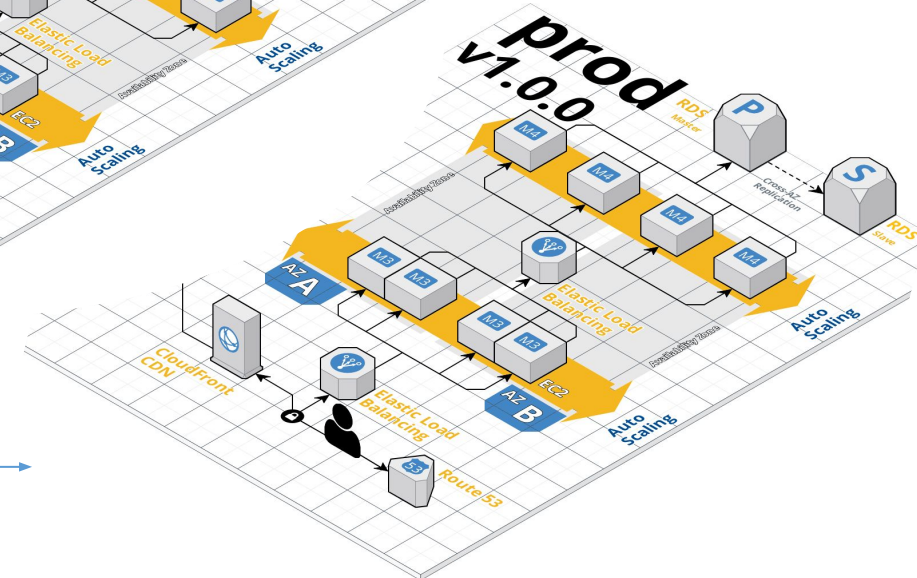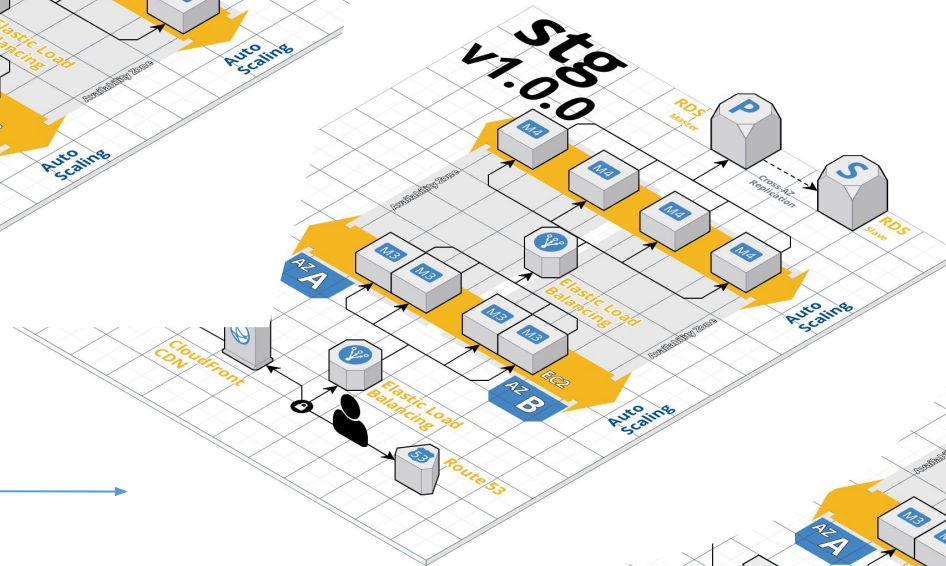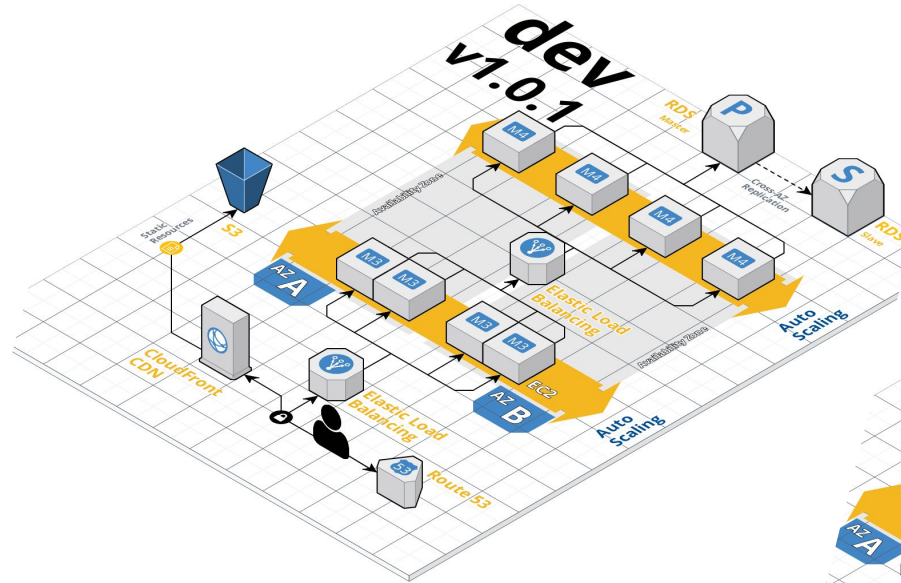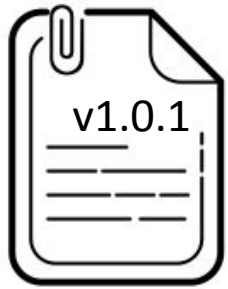# Cloud Infrastructure code/tools/management roadmap

Based on

OpenStack, AWS CloudFormation and other design patterns

Immutable, Consistent/Repeatable & DRY stack
2mm shifts

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/

Design Patterns: Maintainability and Velocity

1. 2mm shifts
   - Immutable infrastructure deployments
     - VPC per account
     - DNS/Route53-driven
   - DRY and **Reusable** Stack
     - Terragrunt
     - Immutable Infrastructure Composition
   - OpenAPI-driven development

2. Azure DevOps - Release Flow CICD

3. Highly Secure APIs
   - Private APIs with custom domains
   - Protected by Rule based AWS Firewalls