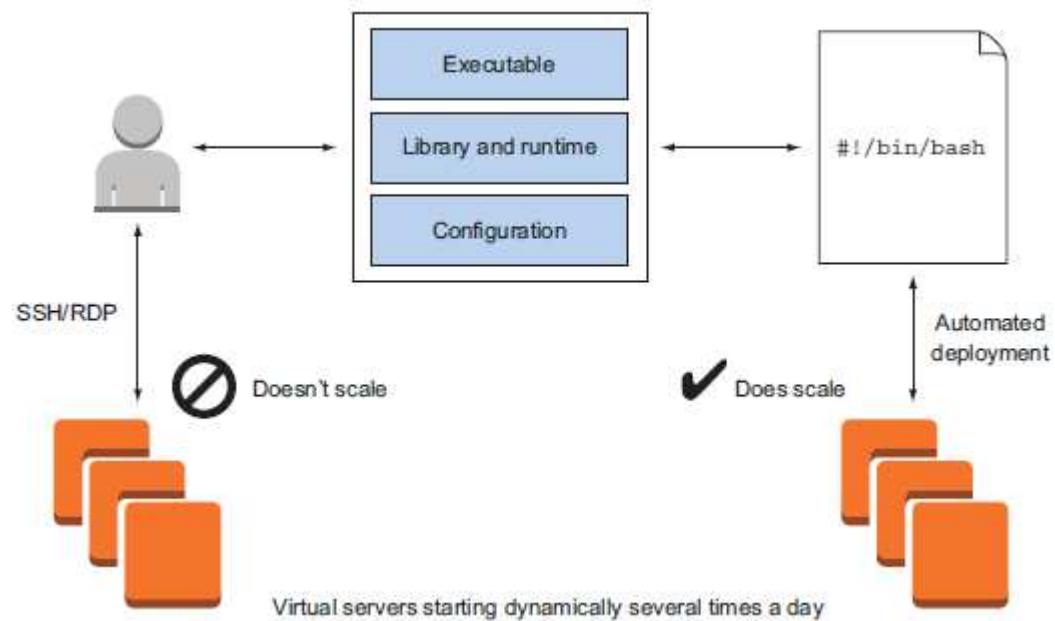


4

Automatizando la creación de infraestructura: laC

Infrastructure as code : IaC



Infrastructure as code : IaC

Long manual process to build an architecture



Set up your storage



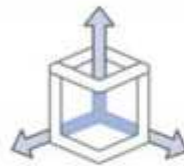
Route your network



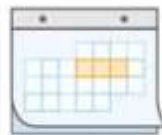
Create your instances



Build your databases



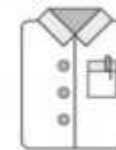
Does not
scale



No version
control



Lack of audit
trails



Inconsistent data
management

Infrastructure as code : IaC

- Scripting : AWS CLI
- AWS SDK
- PaaS : AWS Elastic Beanstalk
- Plantillas : AWS Cloudformation
- Aprovisionamiento de Servidores : Ansible
- Aprovisionamiento de infraestructura: Terraform

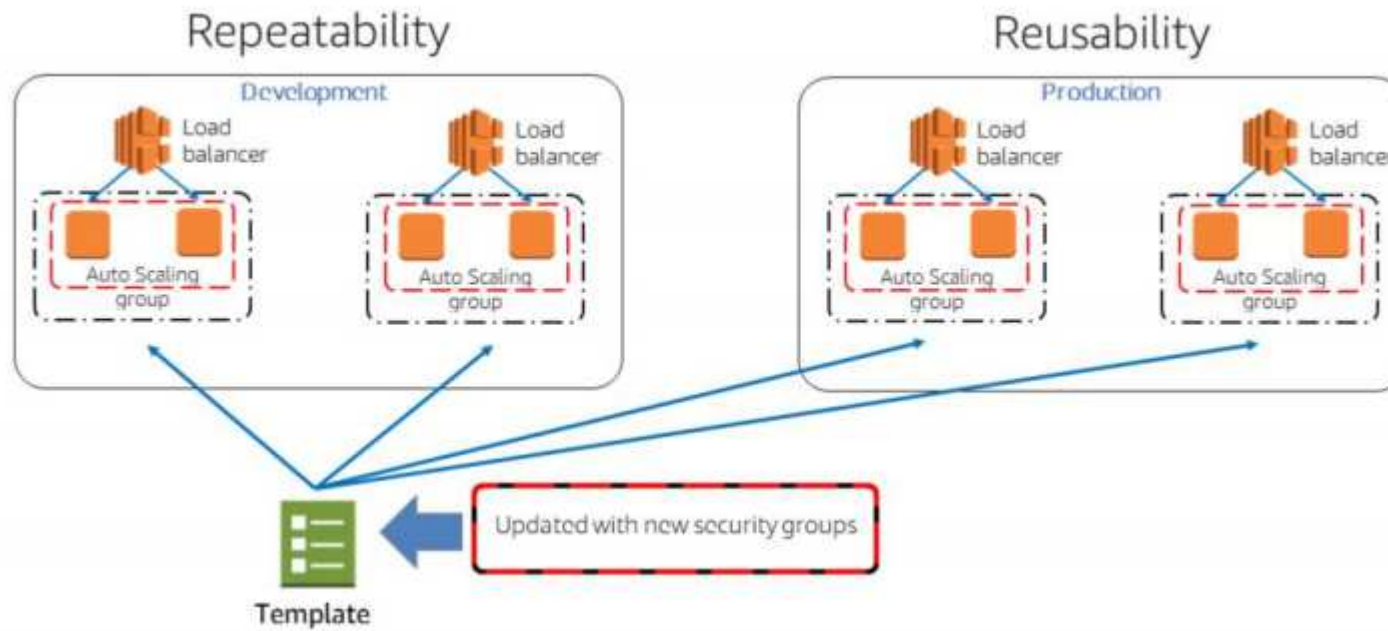
Infrastructure as code : IaC

- Gestión de la infraestructura en una forma descriptiva
 - Maquinas virtuales (EC2)
 - Redes (VPC)
 - Balanceadores de carga
 - Almacenamiento
 - Recursos Cloud
- YAML , JSON
 - Cloudformation , Terraform , Ansible , Chef , Puppets
- Scripts, CLI,

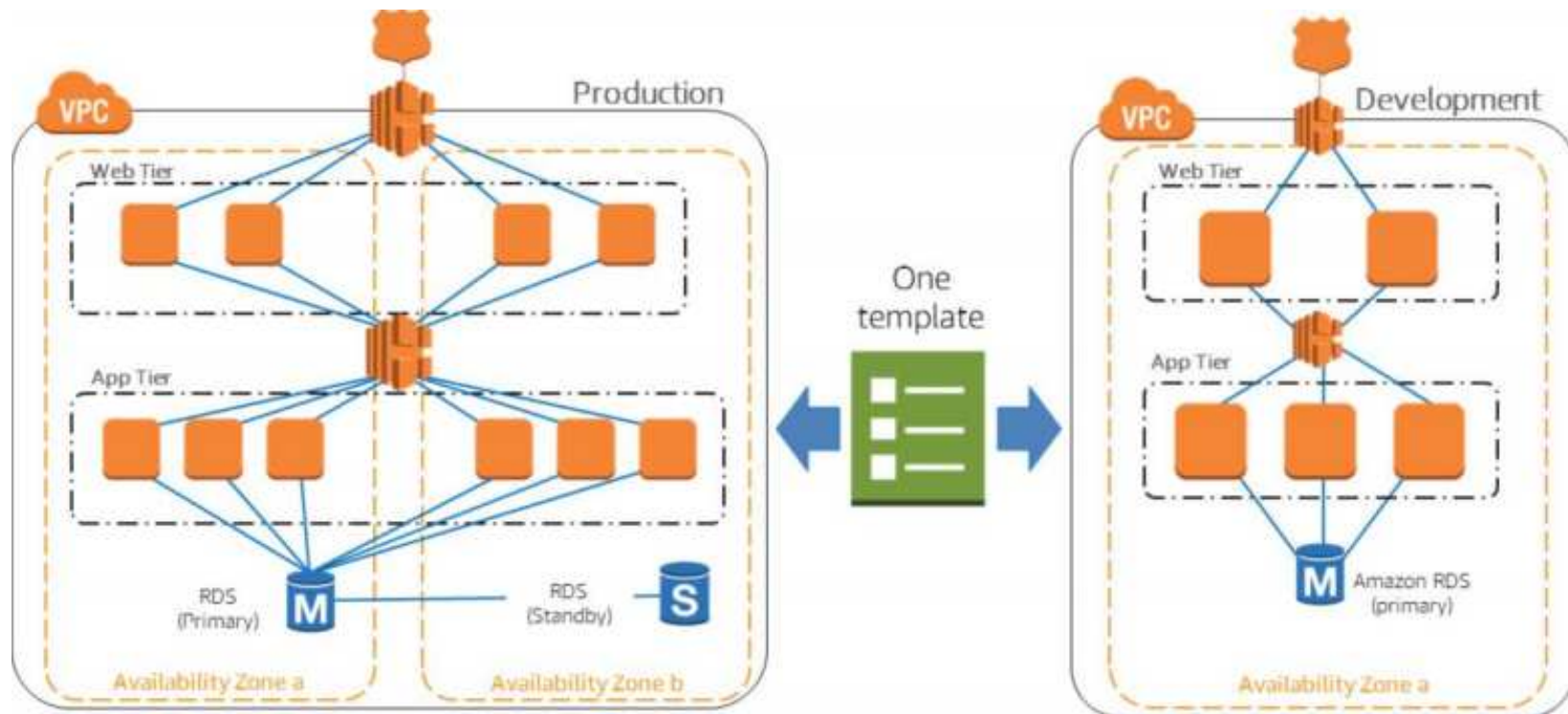
Infrastructure as code : IaC

- Proceso manual
 - requiere capital humano y conocimiento
 - Errores
 - Proceso lento para lanzar nuevas versiones de infraestructura
 - Requiere documentación
- IaC
 - Aprovisionamiento automático
 - Agilidad
 - Repetible/Reusable
 - Replicar
 - Control de versiones
 - Ciclo de vida SW

Infrastructure as code : IaC



Infrastructure as code : IaC



Infrastructure as code : IaC

A layered architecture

