Four Principles of Low–Risk Software Releases
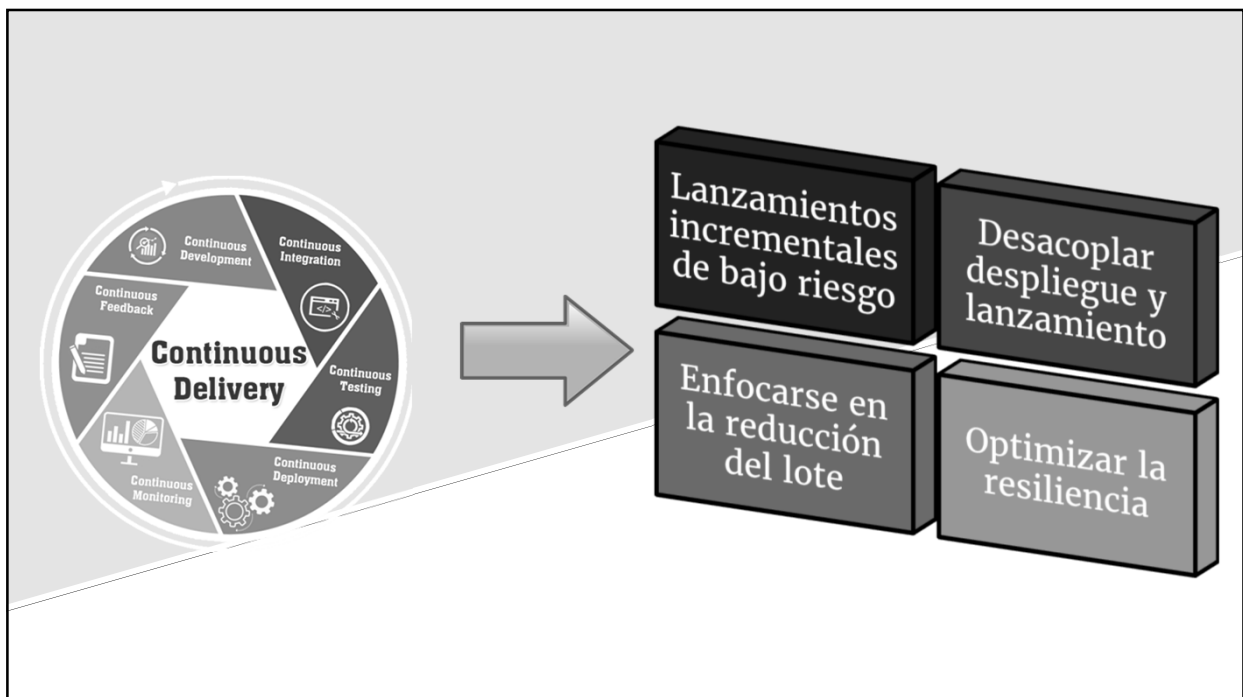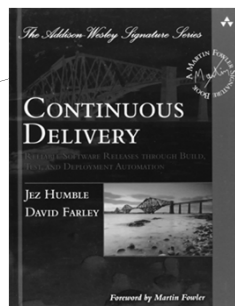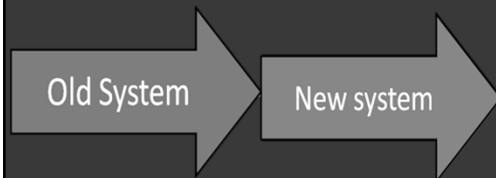
Grupo N° 3 - Ingeniería de Software - 4K2

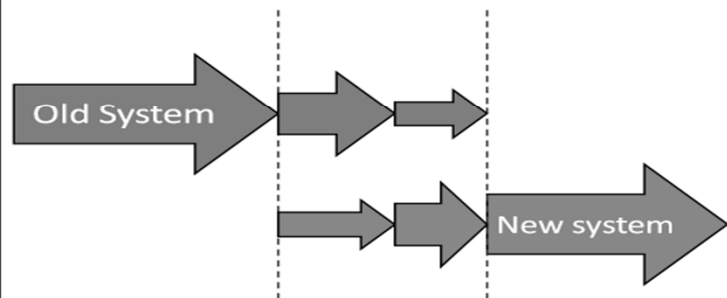## Lanzamientos incrementales de bajo riesgo

Increment
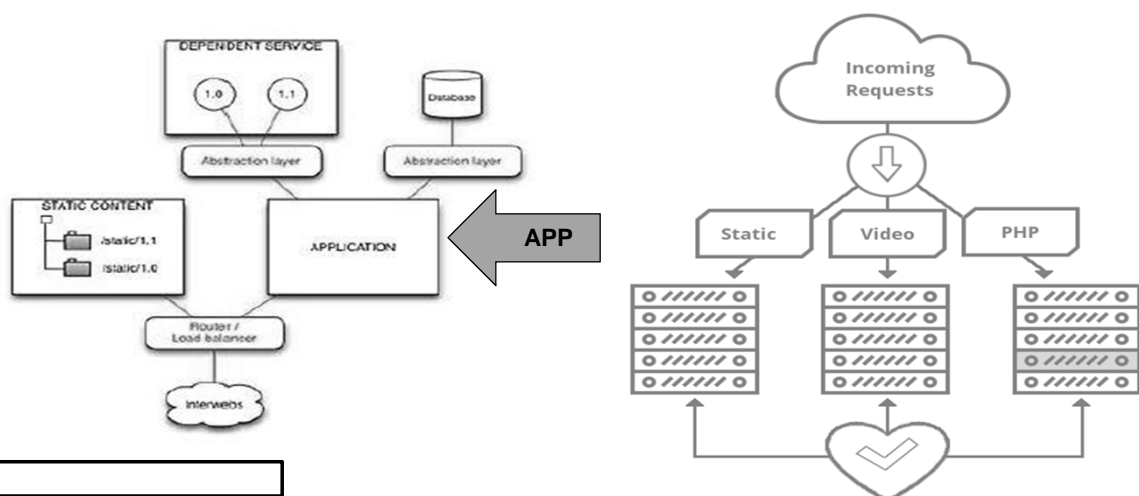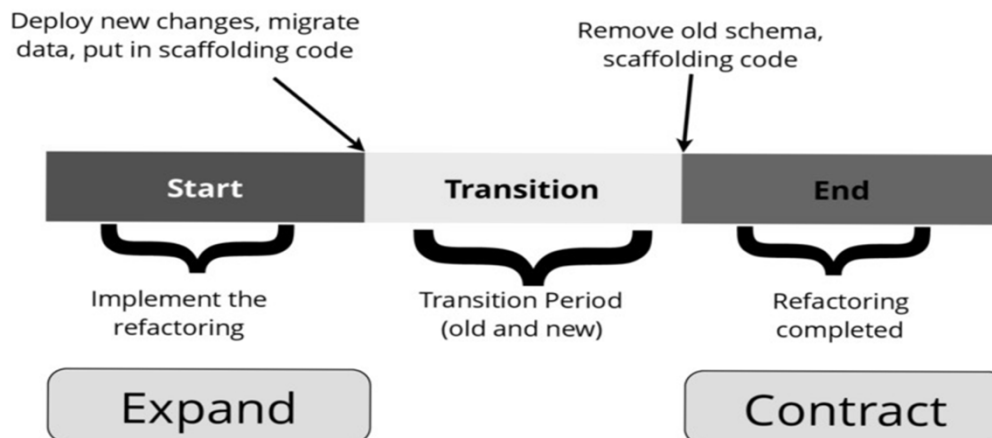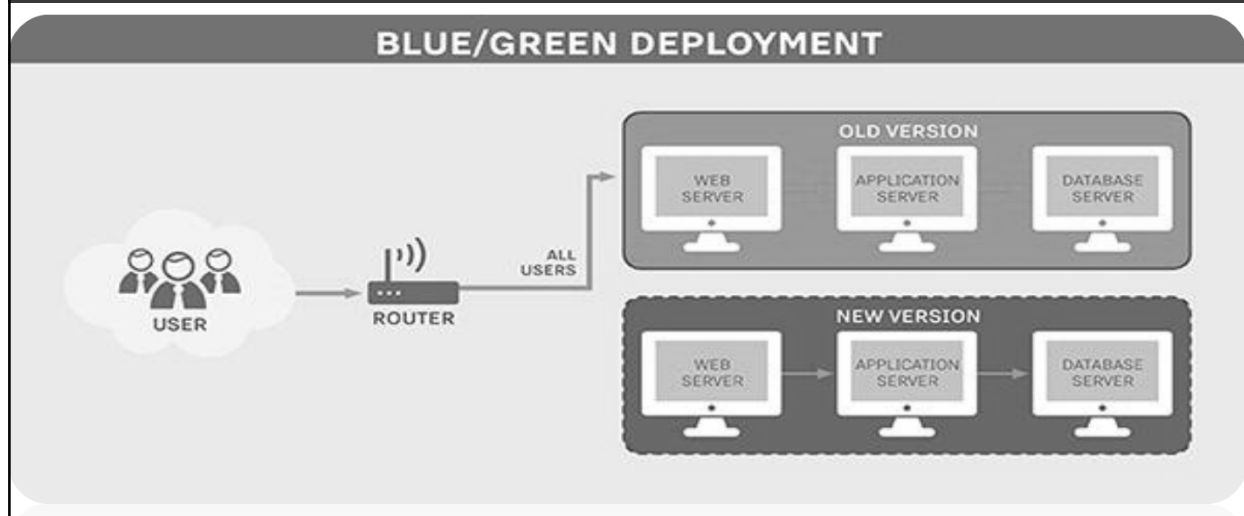

Big Bang

Dependencia entre componentes

Expand/contract pattern

Deploy new changes, migrate data, put in scaffolding code

Remove old schema, scaffolding code

Start | Transition | End

Implement the refactoring

Transition Period (old and new)

Refactoring completed

Expand

Contract

Blue – Green deployment

BLUE/GREEN DEPLOYMENT

OLD VERSION

WEB SERVER | APPLICATION SERVER | DATABASE SERVER

USER | ROUTER | ALL USERS

NEW VERSION

WEB SERVER | APPLICATION SERVER | DATABASE SERVER

Canary releasing
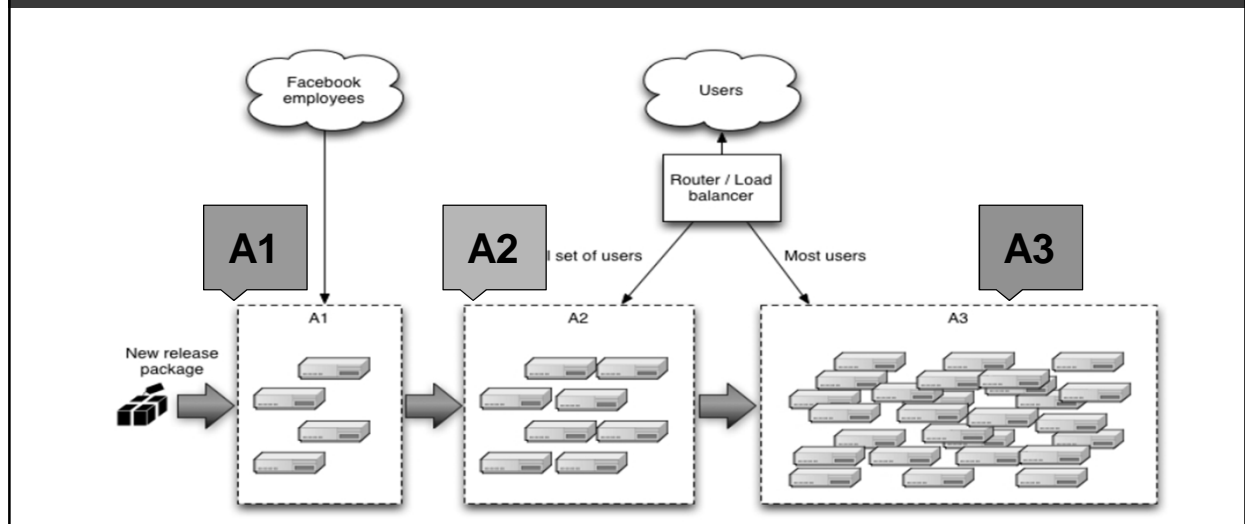
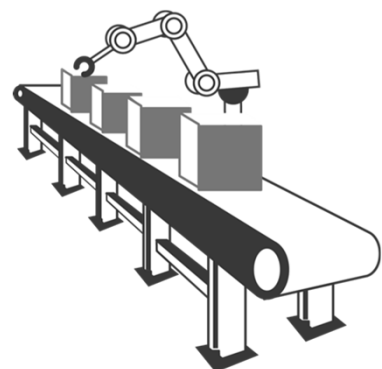# Desacoplar despliegue y lanzamiento

Lanzamiento

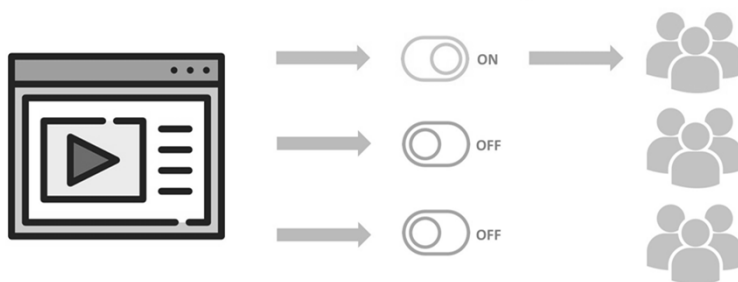**Despliegue**

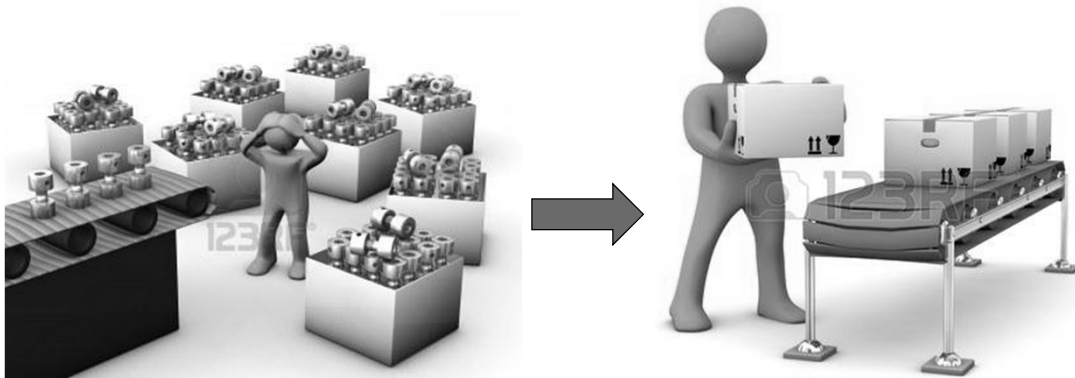# Dark launching...
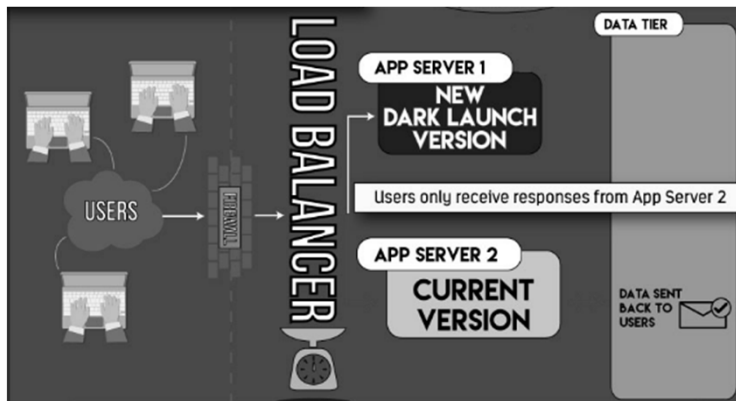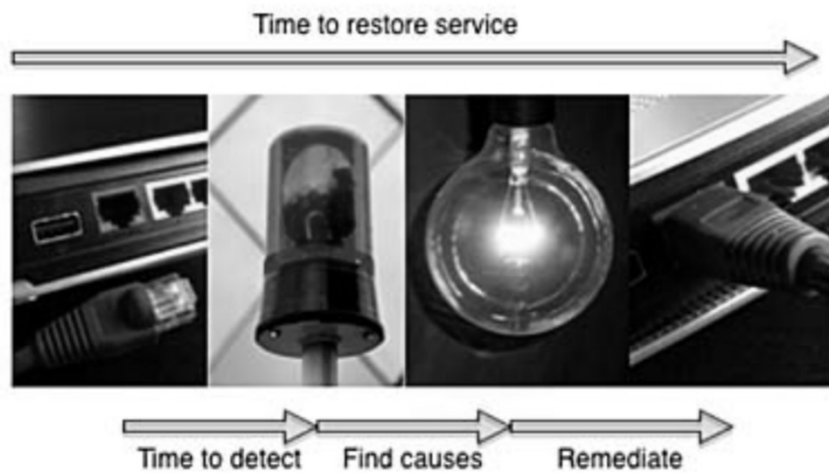

...y Feature Toggles

3 Enfocarse en la reducción del lote

Enfocarse en la reducción del lote
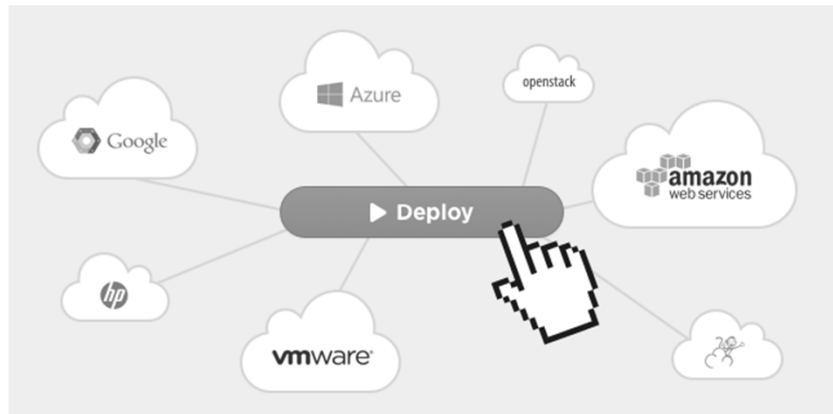
Enfocarse en la reducción del lote

Enfocarse en la reducción del lote

3° Principio: Enfocarse en la reducción del lote

SIC1

Optimizar la Resiliencia

Optimizar *Tiempo Medio para Restaurar el Servicio*
=
mas fallas, fáciles de resolver

Optimizar *Tiempo Medio entre Fallos*
=
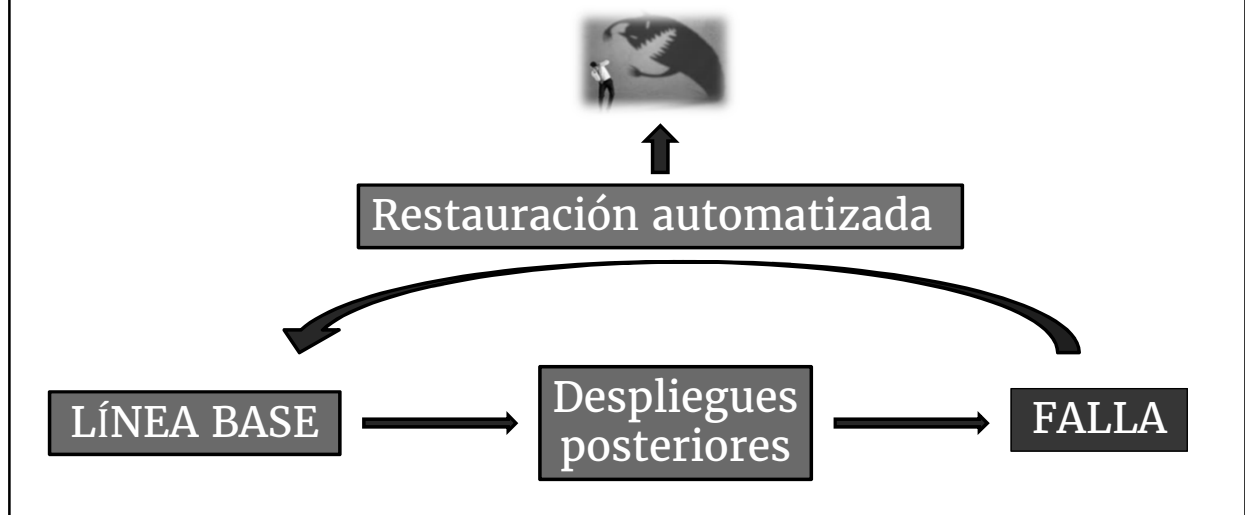menos fallas,
de compleja resolución

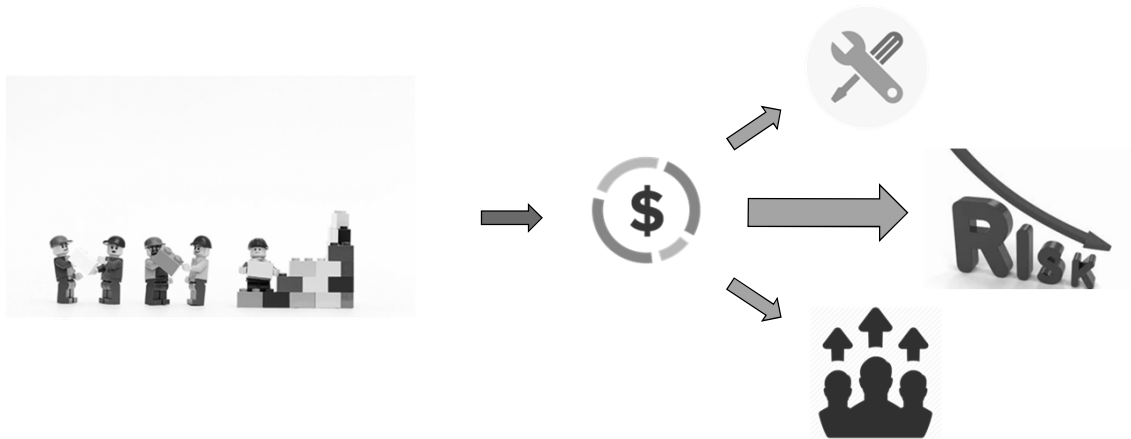**Diapositiva 16**

SIC1   Santiago Innocenti Castellanos, 10/10/2017

Sistema entregable en continua producción

Restauración automatizada

LÍNEA BASE → Despliegues posteriores → FALLA

HUMANO

Conclusión de Jez

Nuestra conclusión