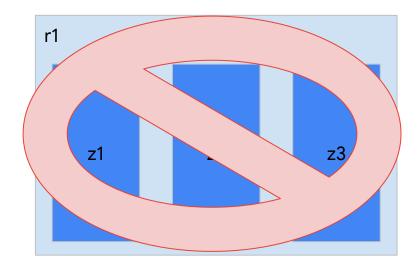
• Failure Domains - know your abstractions

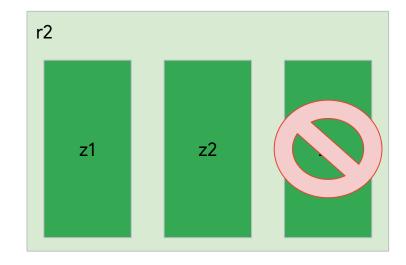
#### Avoid:

- Coordinated Failure isolated change
- Cascading Failure plan for containment

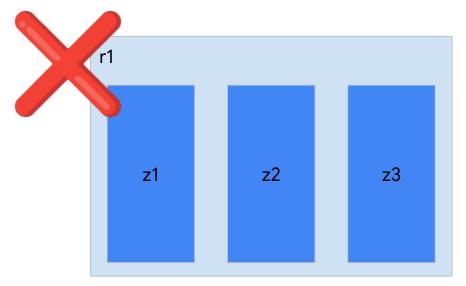
#### Via:

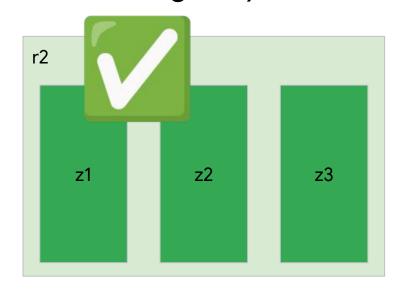
• Failure Domains - know your abstractions



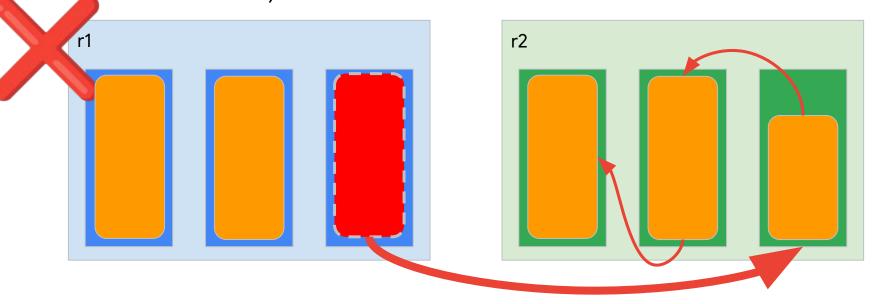


# Avoid Coordinated Failure - isolate changes by FD

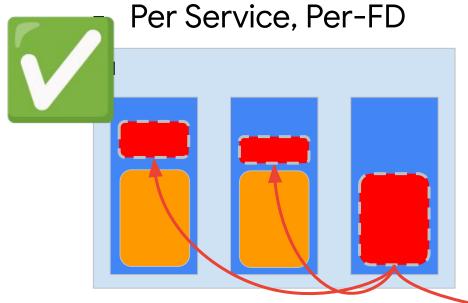


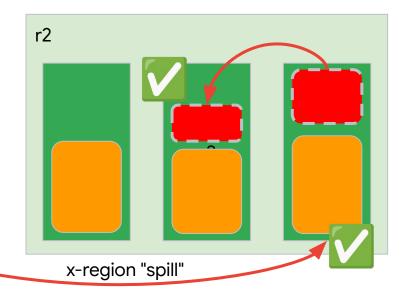


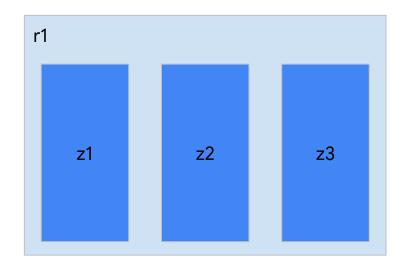
Avoid **Cascading Failure** - capacity plan for N+1 (N+2) - Per Service, Per-FD



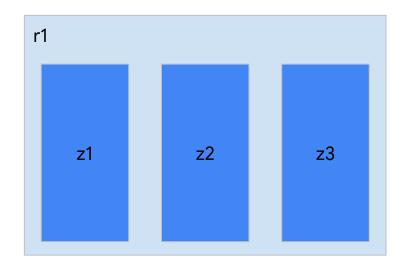
Avoid Cascading Failure - capacity plan for N+1 (N+2)



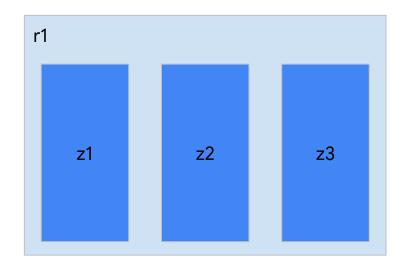






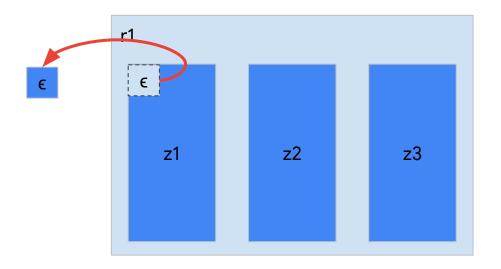


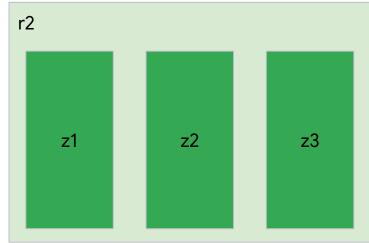












• Failure Domains - know your abstractions

#### Avoid:

- Coordinated Failure isolated change
- Cascading Failure plan for containment

#### Via:

# But Why?

- Accepting failure means you don't have to know everything ahead of the time!
- Embracing Failure (just keep it small?)
- Learning from Incidents
  - <u>learningfromincidents.io</u>
  - "why didn't we just ..." "so this will never happen again"
- "Run from your problems"
  - Don't expect to fix/prevent them immediately