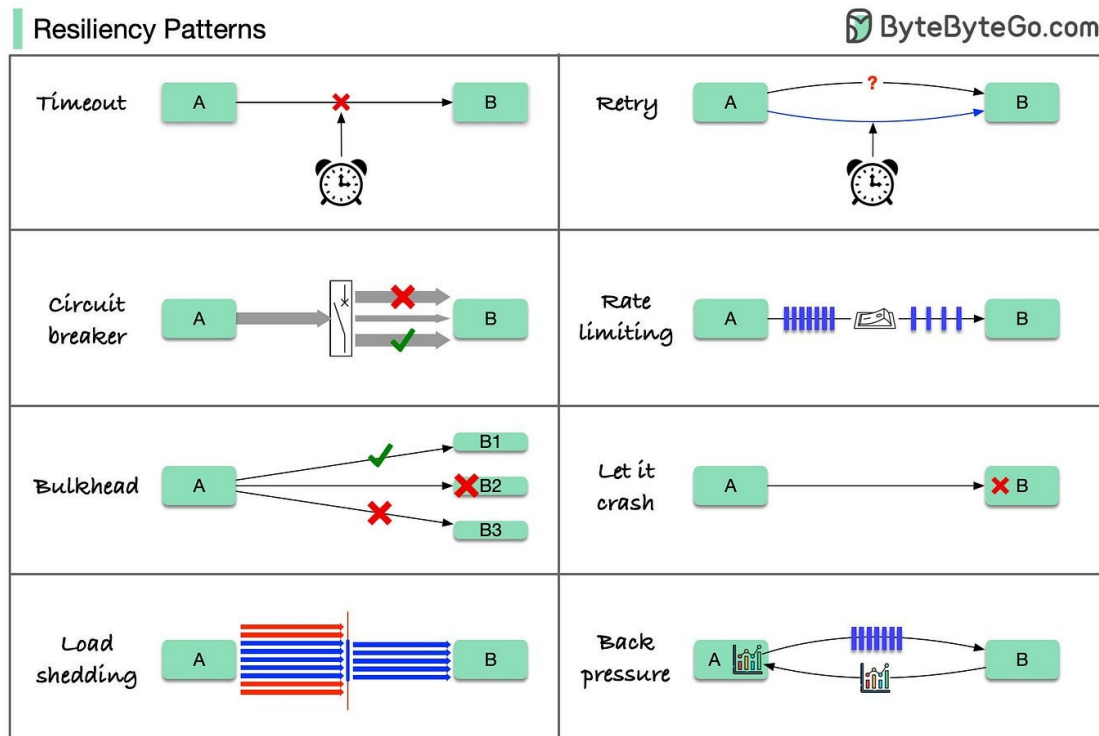


# Resiliency Patterns

Have you noticed that the largest incidents are usually caused by something very small?



A minor error starts the snowball effect that keeps building up. Suddenly, everything is down.

Here are 8 cloud design patterns to reduce the damage done by failures.

- Timeout
- Retry
- Circuit breaker
- Rate limiting
- Load shedding
- Bulkhead
- Back pressure
- Let it crash

These patterns are usually not used alone. To apply them effectively, we need to understand why we need them, how they work, and their limitations.