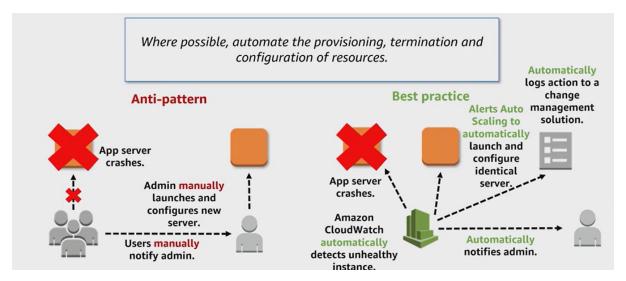
Domain 4:

Refactoring:

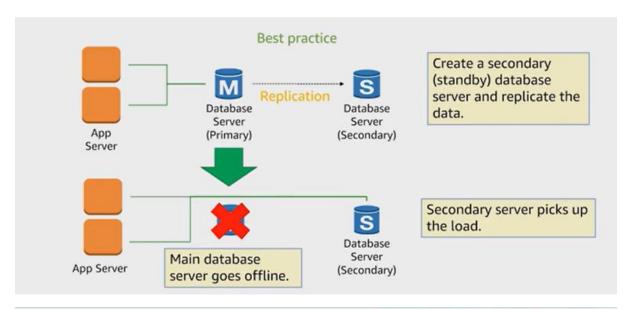
Automate your environment and enhance scalability

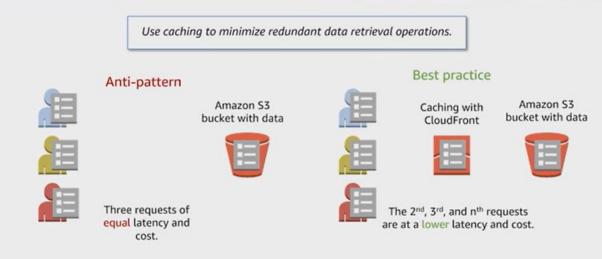


Leverage the breadth of AWS services; don't limit your infrastructure to servers.

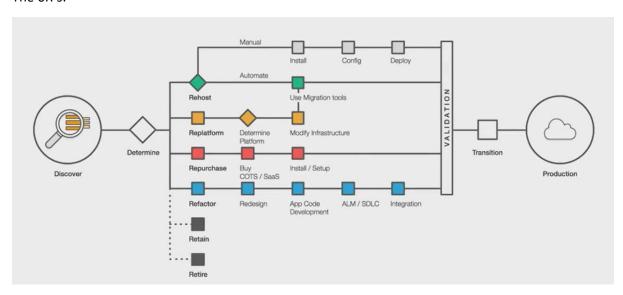
- Simple applications run on persistent servers.
- Applications communicate directly with one another.
- Static web assets are stored locally on instances.
- Back-end servers handle user authentication and user state storage.
- Serverless solution is provisioned at the time of need.
- Message queues handle communication between applications.
- Static web assets are stored externally, such as on Amazon S3.
- User authentication and user state storage are handled by managed AWS services.

Avoid single points of failure:





The 6R's:

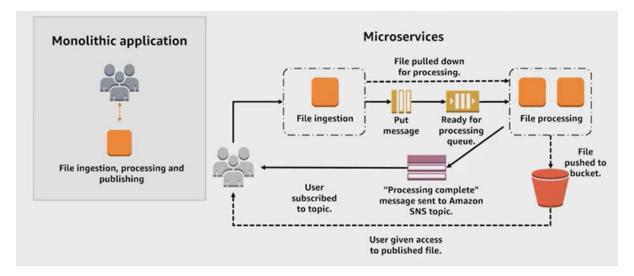


Refactoring:

- Re-writing and Decoupling Applications
- Re-architecting a Solution
- Complete refactor vs. Partial refactor



Microservices:



Test Axioms:

- · Durability and availability are not the same thing.
- Scalability and elasticity are not the same thing.
- Persistence and Amazon EC2 Instance Store do not go together.
- · Migrate your monolith apps to microservices to functions.
- · Go serverless!