* Different types of **SERVICES**:
  + IaaS (Infrastructure as a Service):
    - It provides raw computing resources i.e. servers, networking, storage -- on demand.
    - You manages: OS, runtime, data, applications
    - Provider manages: Physical servers, virtualization, networking, storage
    - Examples:
      * AWS EC2
      * GCE (Google Compute Engine)
      * Azure Virtual Machines
    - Devops usecase:
      * Provisioning servers quickly for deployments, running custom environments, hosting databases, setting up CI/CD agents.
  + PaaS (Platform as a Service):
    - It provides a ready-to-use platform for building, testing, and deploying applications. You don’t worry about OS or infrastructure — only your code and configurations.
    - You manage: Applications & data.
    - Provider manages: OS, middleware, runtime, scaling, infrastructure..
    - Examples:
      * AWS Elastic Beanstalk
      * Google App Engine
      * Heroku
      * Azure App Service
    - Devops usecase:
      * Deploying apps quickly without managing servers — great for microservices, CI/CD pipelines, and rapid testing.
  + SaaS (Software as a Service):
    - It provides fully functional end-user applications over the internet. No setup, no server — just use the software.
    - You manage: Nothing (just use the app).
    - Provider manages: Everything (infrastructure, platform, software, updates).
    - Examples:
      * Gmail
      * Google Docs
      * Slack
      * Jira
      * Dropbox
    - Devops usecase:
      * Using SaaS tools for collaboration, project management, monitoring (e.g., Datadog), or CI/CD (e.g., GitHub Actions).
  + Analogy:
    - IaaS → Renting an empty apartment (you bring furniture, design, etc.).
    - PaaS → Renting a fully furnished apartment (you just bring your stuff and live).
    - SaaS → Booking a hotel room (everything is ready; you just check in and use).
* Services that are gonna used:
  + Beanstalk
    - It’ll manage the EC2 instances.
    - It has load balancer and auto scaling as well.
  + S3/EFS
    - Storage
  + RDS Instances
    - Databases
  + Elastic cache
    - In place of Memcached
  + Active MQ
    - In place of Rabbit MQ
  + Route 53
    - For DNS
  + Cloudfront
    - For CDN