Design Principles – Automation

Design Principles - Automation

- Why should I use automation in my environment ? What's in it for me ? ☺

- Less manual work, less possible errors, improve system's stability and efficiency

- Let's go over some examples of how you can automate your work in AWS:
  - AWS Elastic Beanstalk – upload you application code and provisioning, load balancing, auto scaling and monitoring is done automatically

AWS Automation Services

- Amazon EC2 Auto recovery:
  - Monitor EC2 instance and if it fails, create an identical EC2 instance

- Auto Scaling:
  - Scale EC2 fleet capacity up or down depending of conditions you define (auto scaling policy)

- Amazon CloudWatch Alarms:
  - Define alarms that can trigger other actions as well

AWS Automation Services

- Amazon Lambda Scheduled Events:
  - Execute a task at a specific time of day

- AWS OpsWorks Lifecycle Events
  - Supports continuous configuration through events; i.e. update your instances configuration as a result of an event (trigger)

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Thank you