EC2 Auto Scaling

CLARUSWAY
WAY TO REINVENT YOURSELF

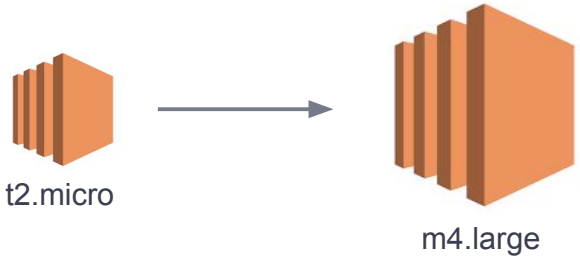
Today's Takeaways

- Part 1: Anatomy of Auto Scaling
- Part 2: Hands on

Auto Scaling

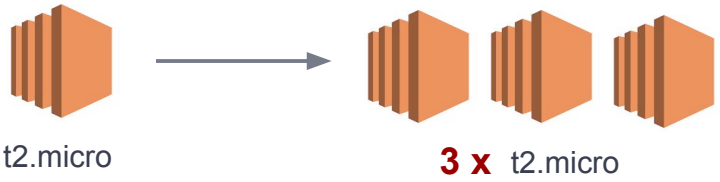
What is Scaling?

Vertical Scaling



Scale Up / Down

Horizontal Scaling



Scale Out / In

CLARUSWAY
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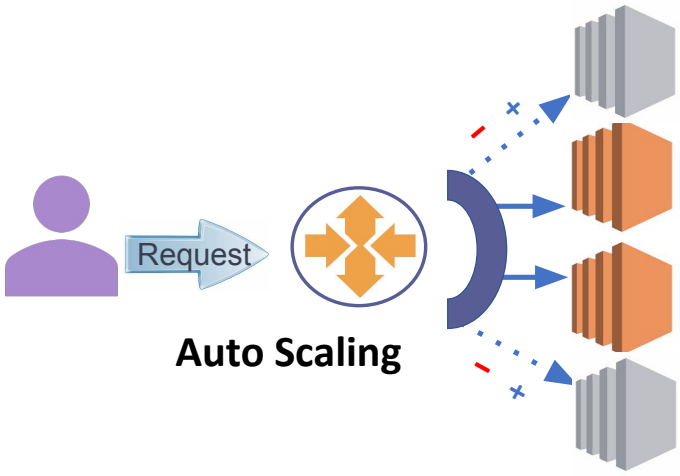
Auto Scaling

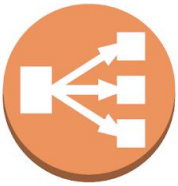
What is Auto Scaling?



- Amazon EC2 Auto Scaling is a component that helps you ensure that you have the correct number of Amazon EC2 instances available to handle the load for your application.
- Auto Scaling adds or removes instances to keep your system steady state.
- You can automate the increasing or decreasing of virtual machines depending on your policy.

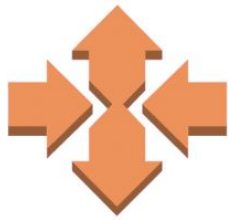
Auto Scaling

Auto Scaling vs Load Balancer

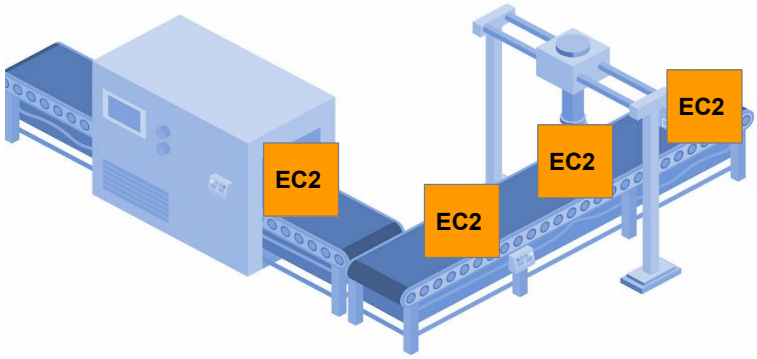


Load Balancer

Distributing the traffic across the existing instances



Auto Scaling



- Launch new instances
- Terminate the existing instances

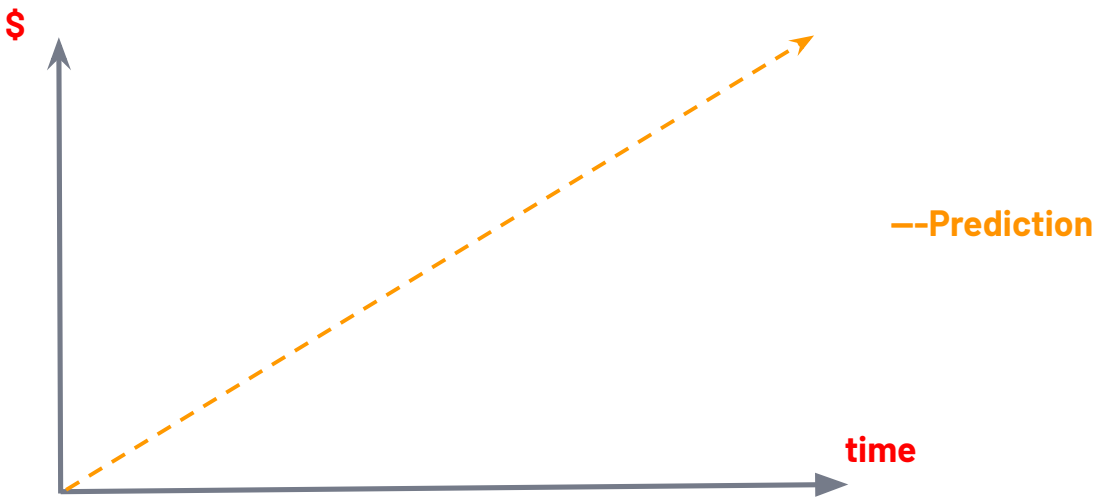
Auto Scaling

Features of Auto Scaling

- Auto Scaling Policy
- Launch Configurations or Launch Templates.
- Fault tolerance.
- Compatible with Elastic Load Balancer
- Better Cost Management.

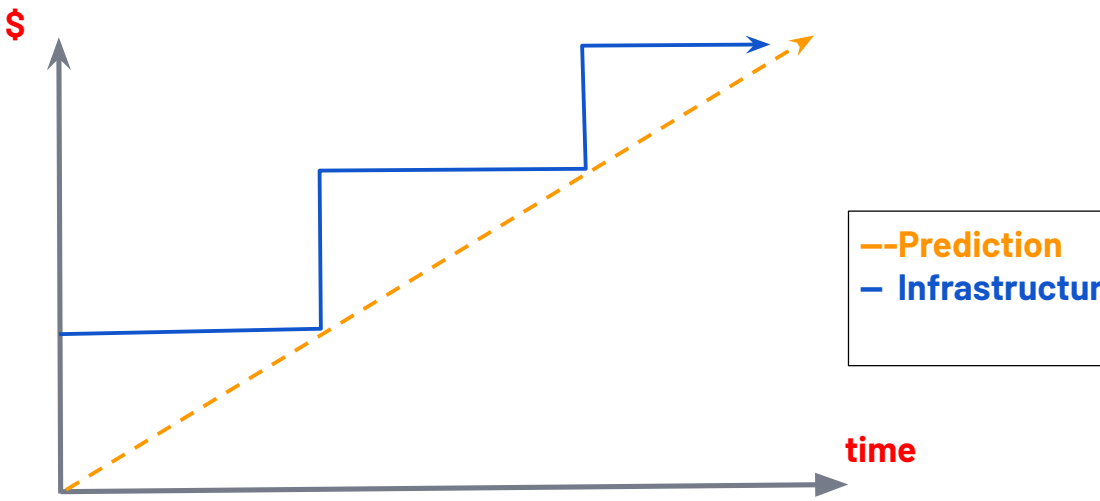
Auto Scaling

Better Cost Management



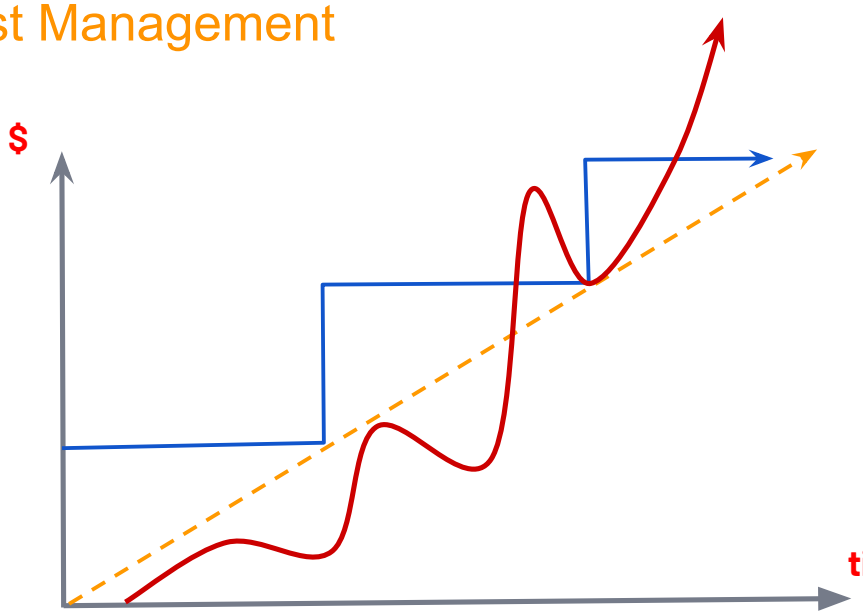
Auto Scaling

Better Cost Management



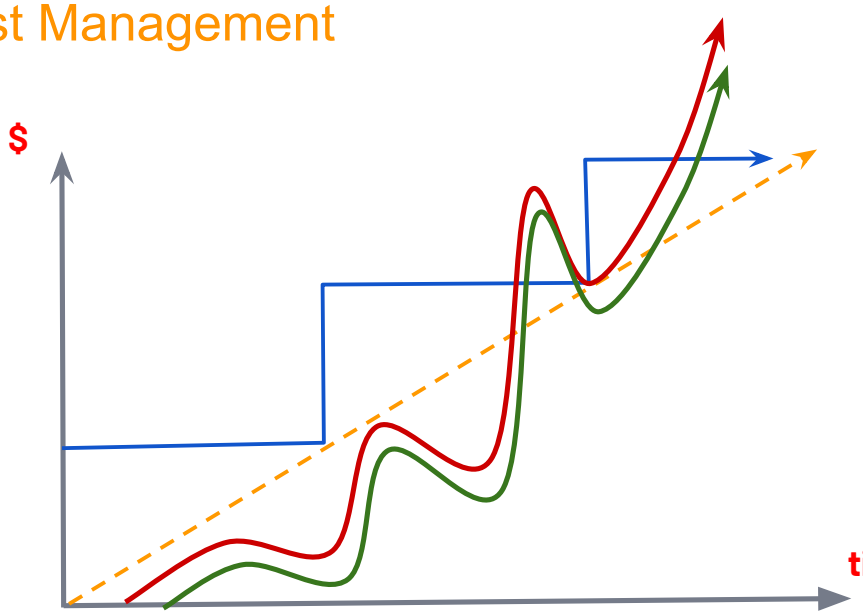
Auto Scaling

Better Cost Management



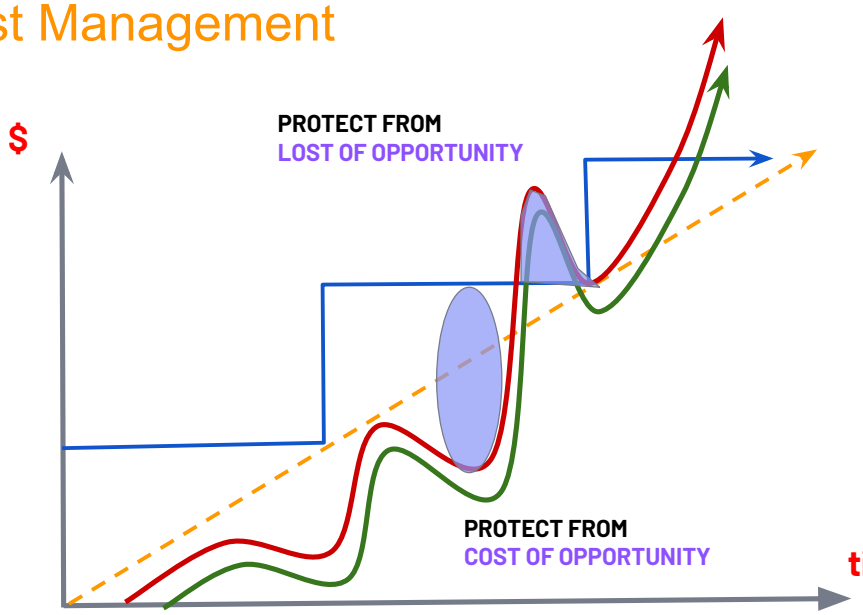
Auto Scaling

Better Cost Management



Auto Scaling

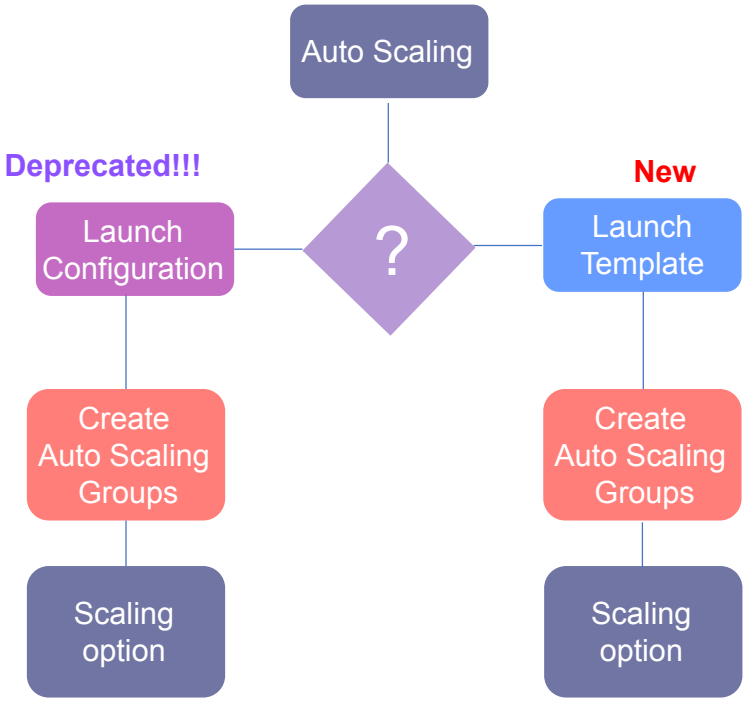
Better Cost Management



Auto Scaling

Auto Scaling Creating Process

- First, you need to select either the Launch Template or the Launch Configuration option and create it.
- Then, create an Auto Scaling Group.
- Finally, Finish Creating Auto Scaling



Auto Scaling

Launch Configuration Deprecation Schedule

The announcement from AWS

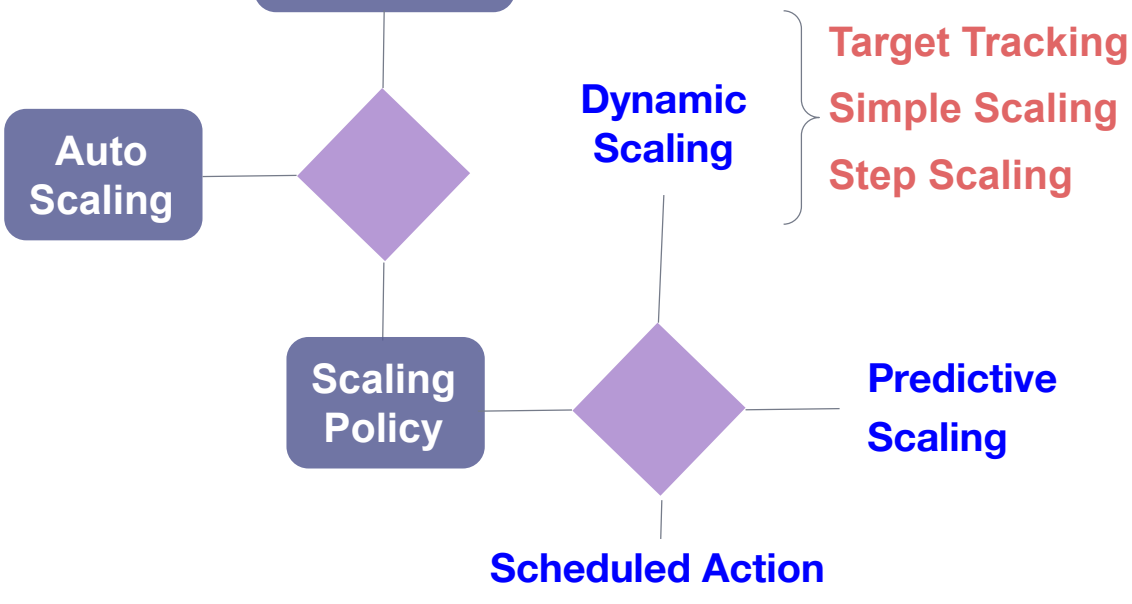
- March 31, 2023 - New accounts created after this date will not be able to create new launch configurations via the console. API and CLI access will remain available to support customers with automation use cases.

- December 31, 2023 - New accounts created after this date will not be able to create new launch configurations.

Auto Scaling

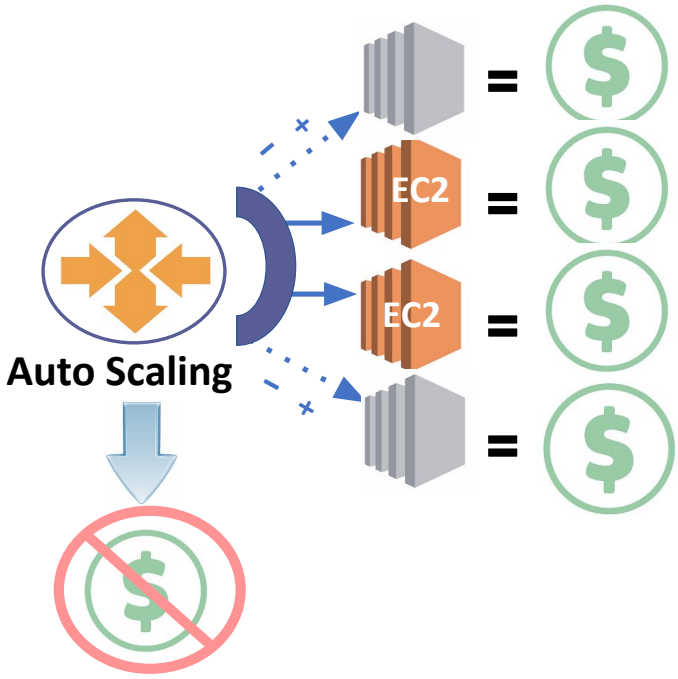
Auto Scaling Options

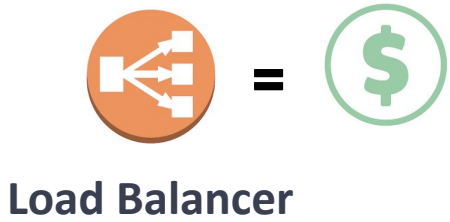
Next session



Auto Scaling

Pricing for Amazon EC2 Auto Scaling





Lifecycle Auto Scaling

Let's get our hands dirty!

- Creating an Auto Scaling Group

THANKS!

Any questions?