



EC2 Auto Scaling



CLARUSWAY
WAY TO REINVENT YOURSELF

Today's Takeaways



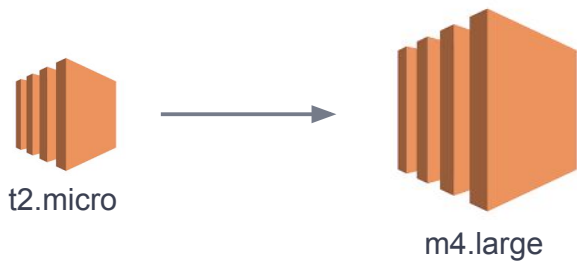
- ▶ Part 1: Anatomy of Auto Scaling
- ▶ Part 2: Hands on

CLARUSWAY
WAY TO REINVENT YOURSELF

Auto Scaling

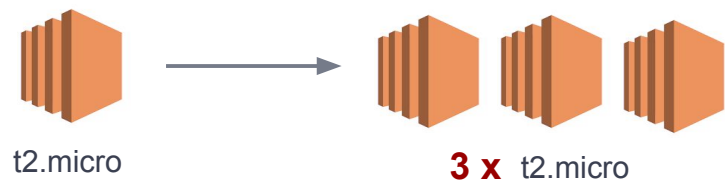
What is Scaling?

Vertical Scaling



Scale Up / Down

Horizontal Scaling



Scale Out / In

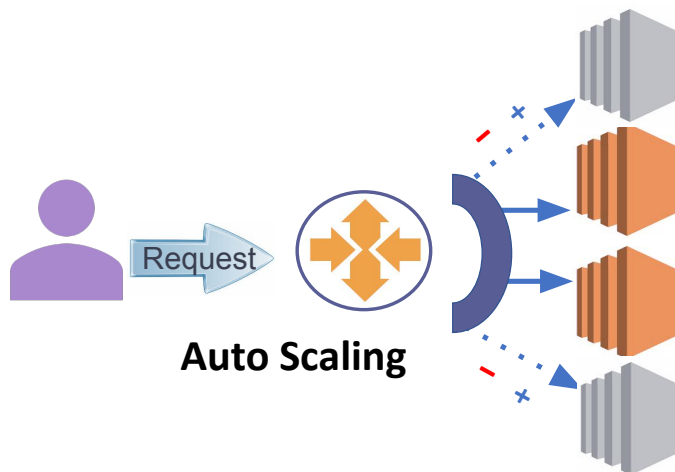


3

3

Auto Scaling

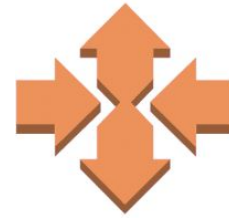
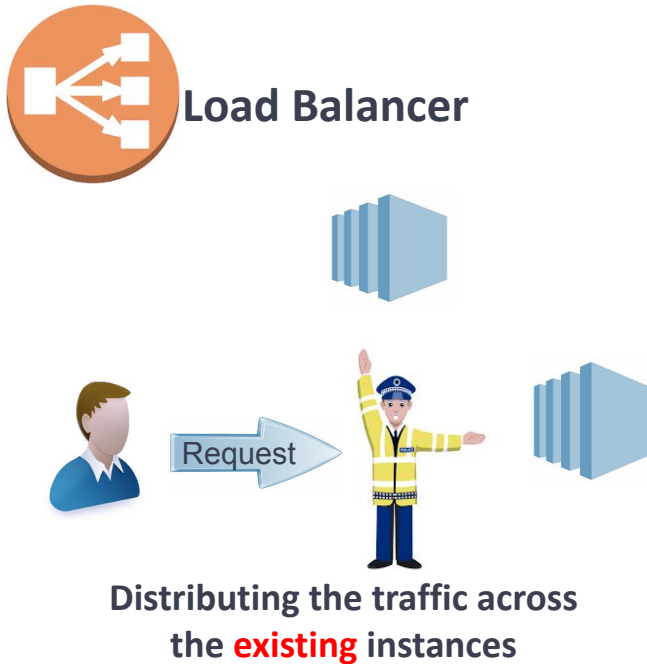
What is Auto Scaling?



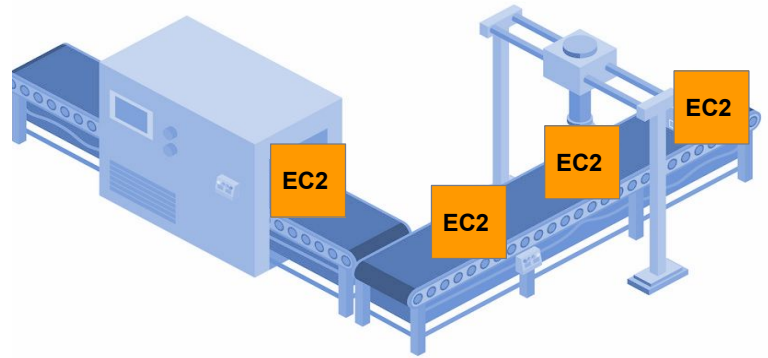
- Amazon EC2 Auto Scaling is a component that helps you ensure that you have the **correct number of Amazon EC2 instances** available to **handle the load** for your application.
- Auto Scaling **adds or removes instances** to keep your system steady state.
- You can **automate the increasing or decreasing**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

Auto Scaling

Auto Scaling vs Load Balancer



Auto Scaling



- **Launch** new instances
- **Terminate** the existing instances

Auto Scaling

Features of Auto Scaling

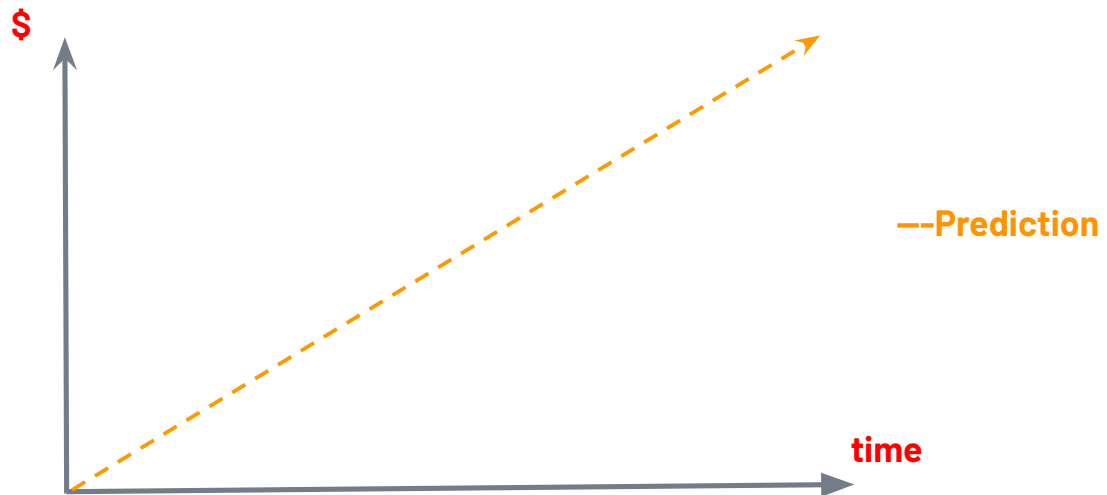
Rules
Conditions



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

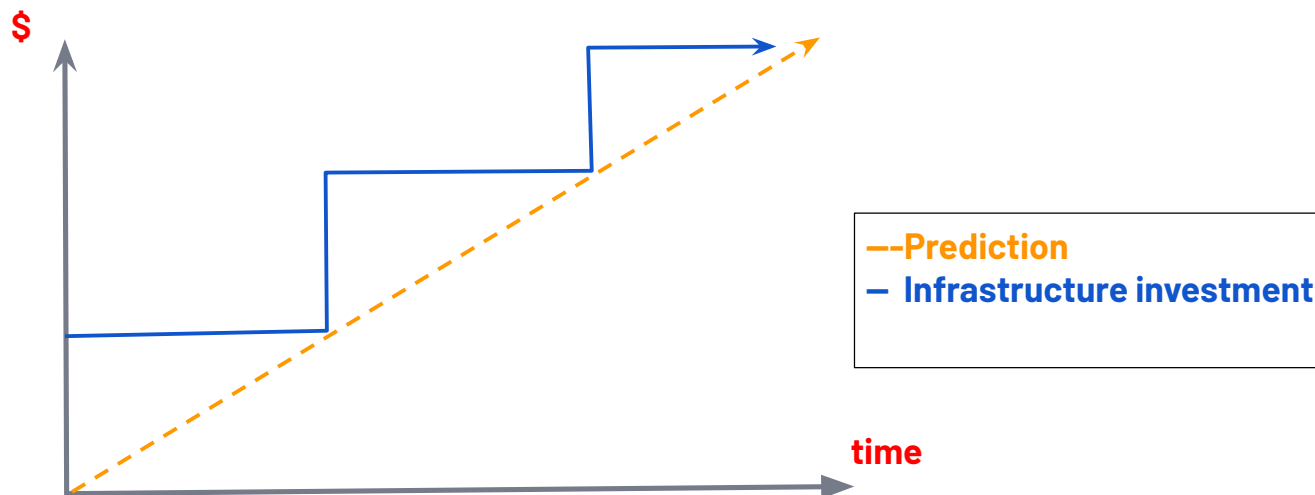
Auto Scaling

Better Cost Management



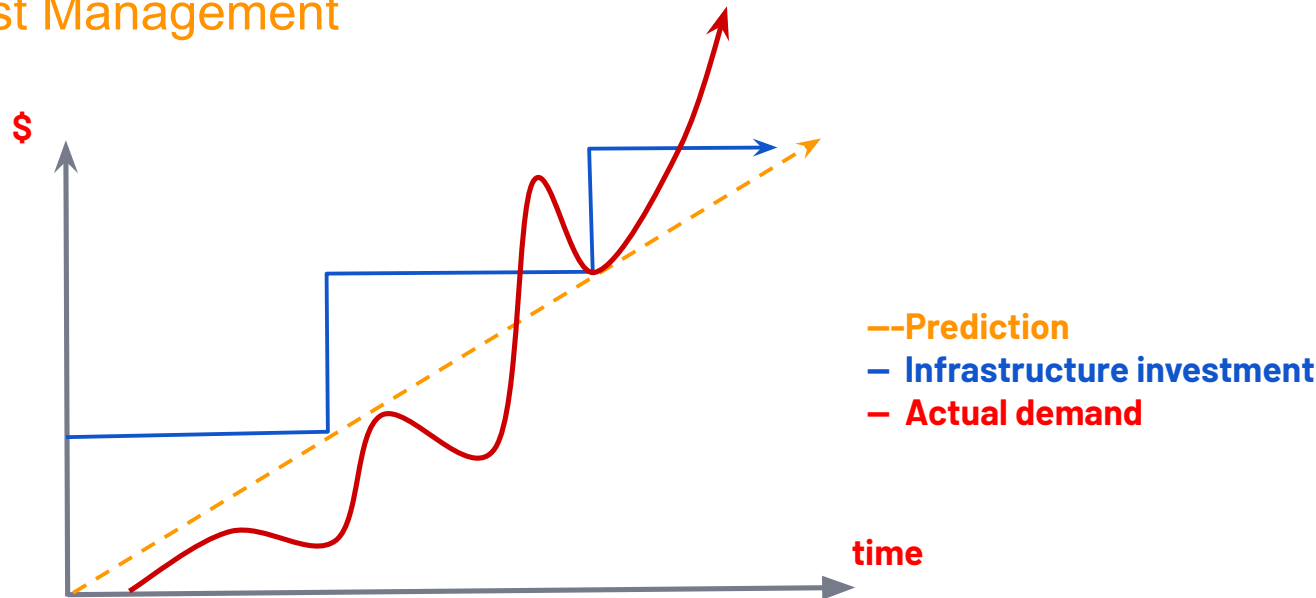
Auto Scaling

Better Cost Management



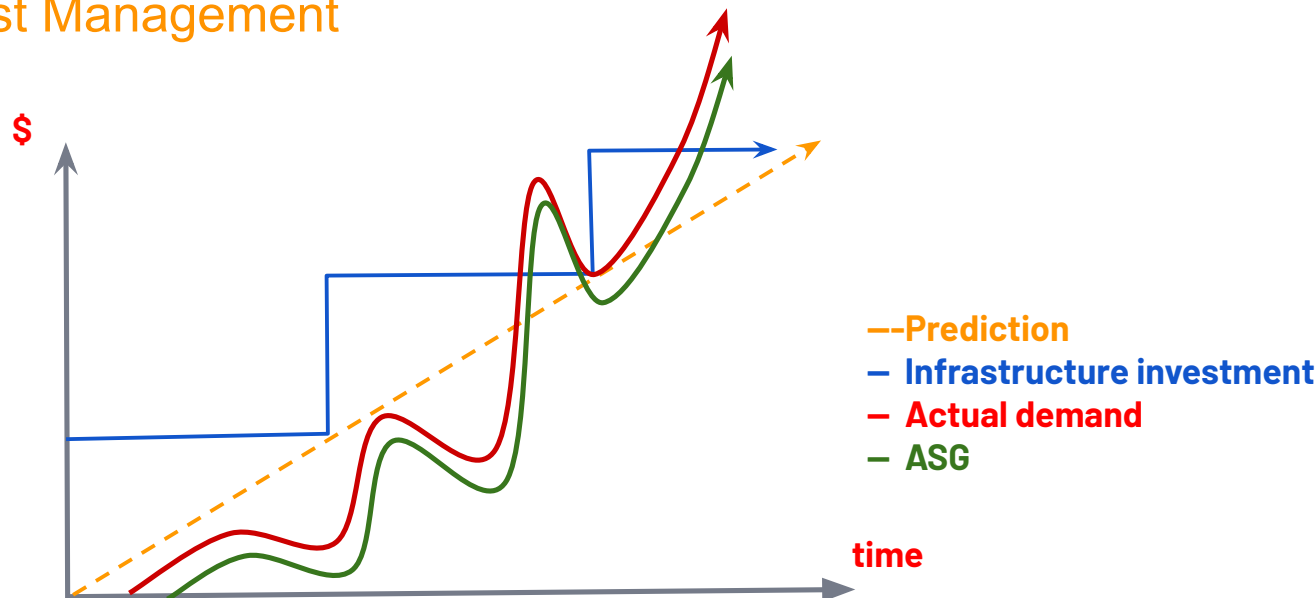
Auto Scaling

Better Cost Management



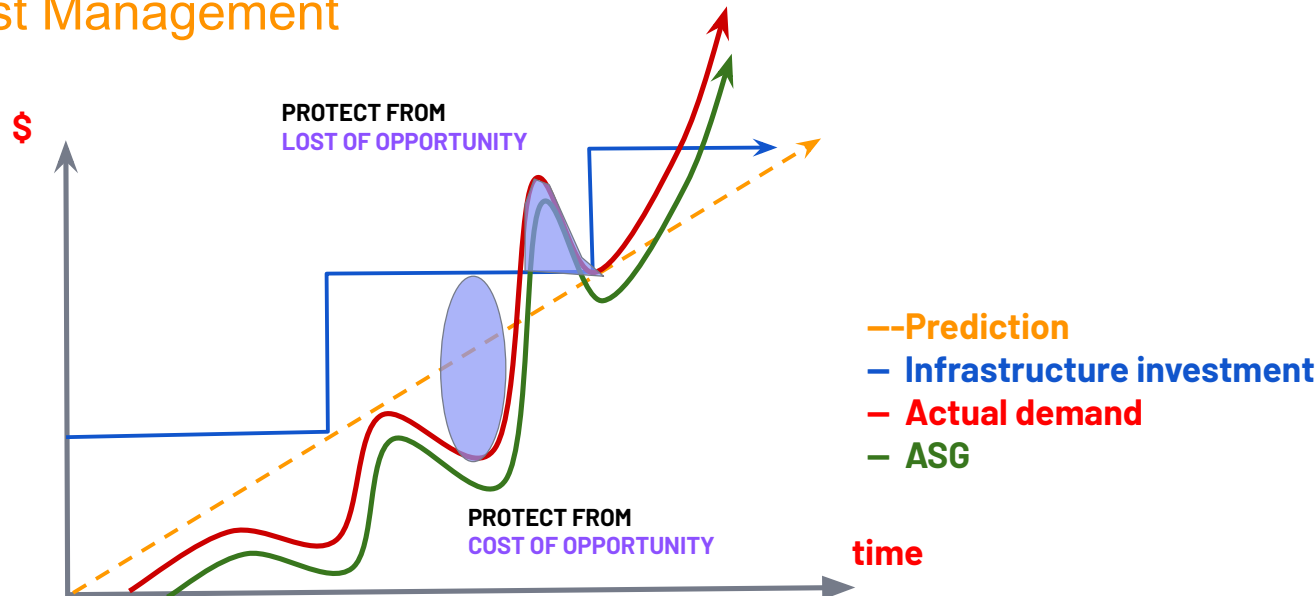
Auto Scaling

Better Cost Management



Auto Scaling

Better Cost Management

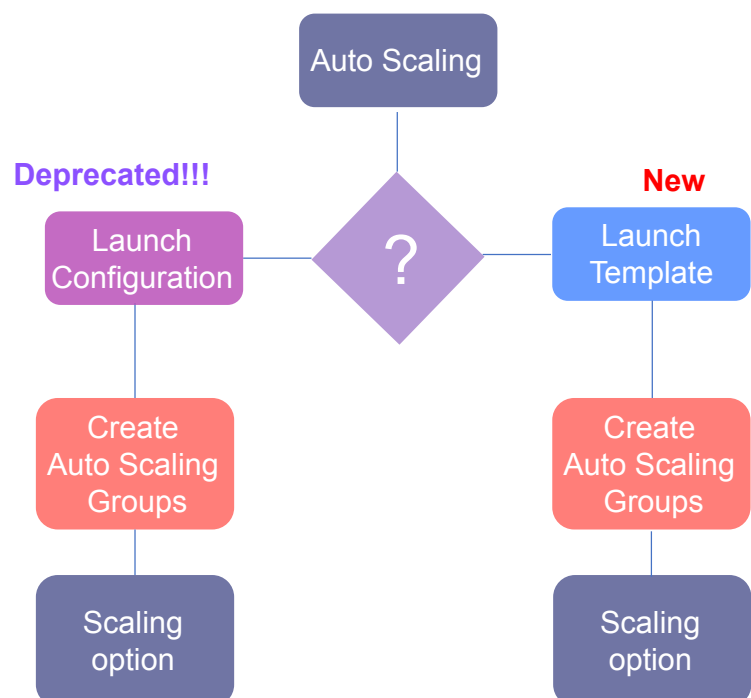


11

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



12



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.**

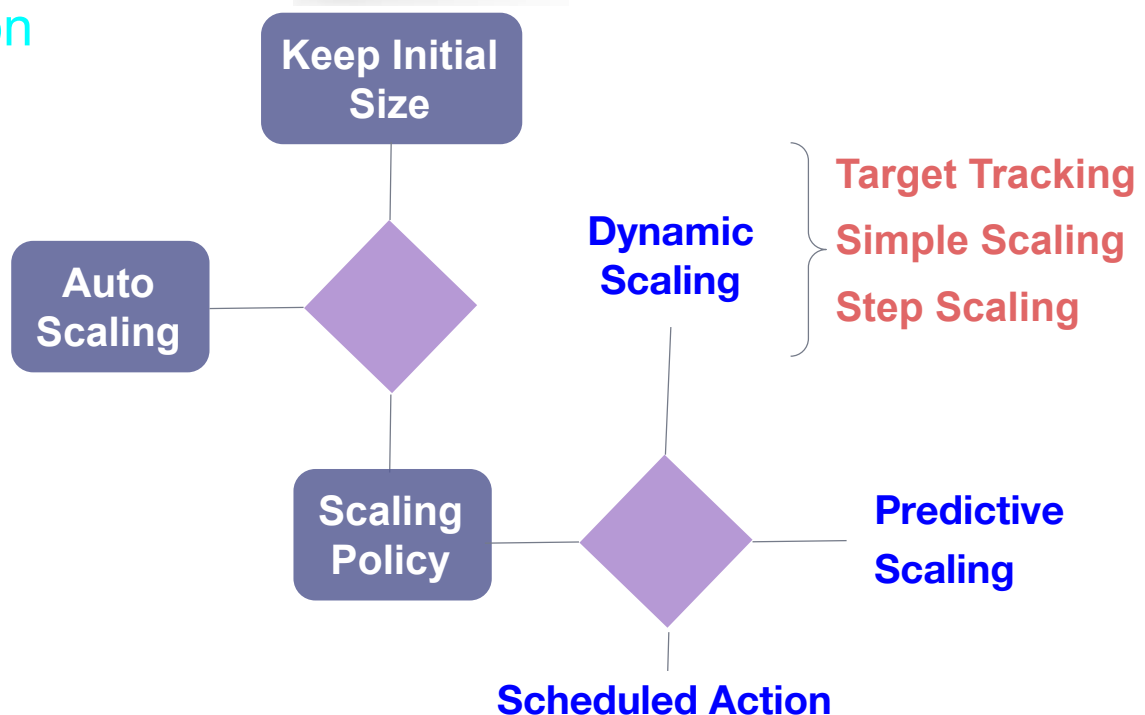
CLARUSWAY
WAY TO REINVENT YOURSELF



Auto Scaling

Auto Scaling Options

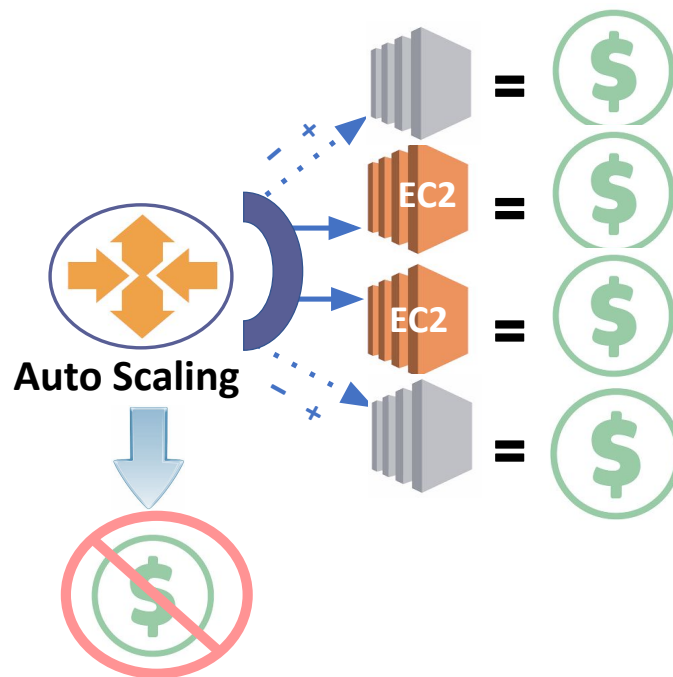
Next session



CLARUSWAY
WAY TO REINVENT YOURSELF

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?

