



EC2 Auto Scaling



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WAY TO REINVENT YOURSELF

Today's Takeaways



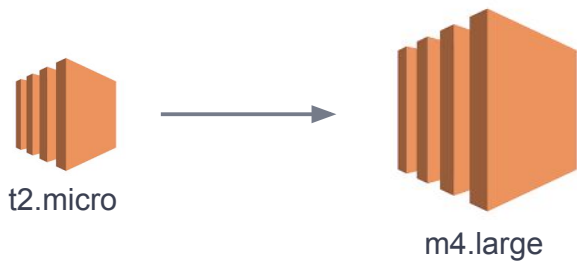
- ▶ Part 1: Anatomy of Auto Scaling
- ▶ Part 2: Hands on

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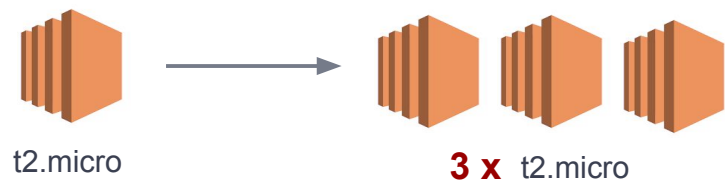
What is Scaling?

Vertical Scaling



Scale Up / Down

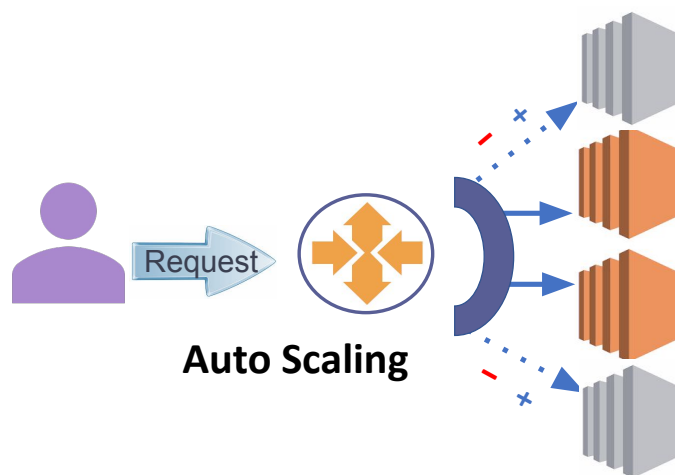
Horizontal Scaling



Scale Out / In

Auto Scaling

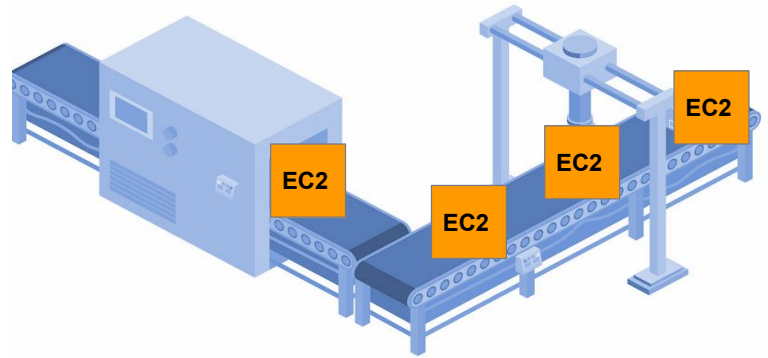
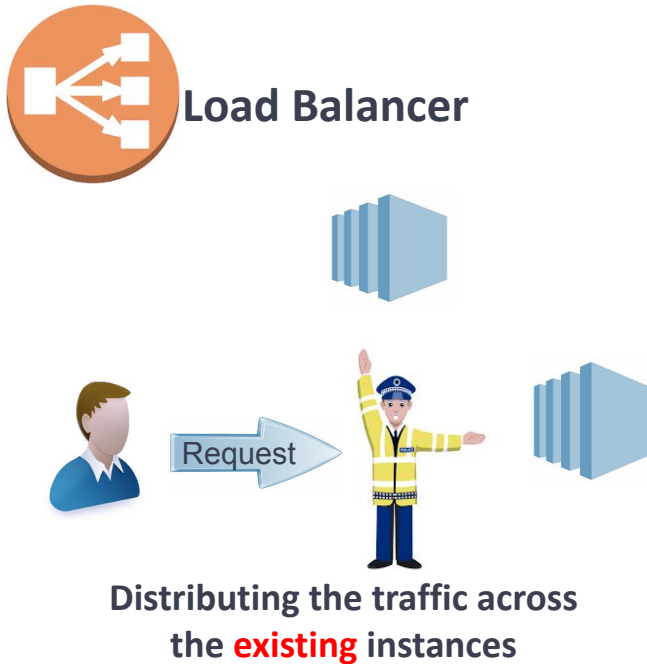
What is Auto Scaling?



- 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



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

Auto Scaling

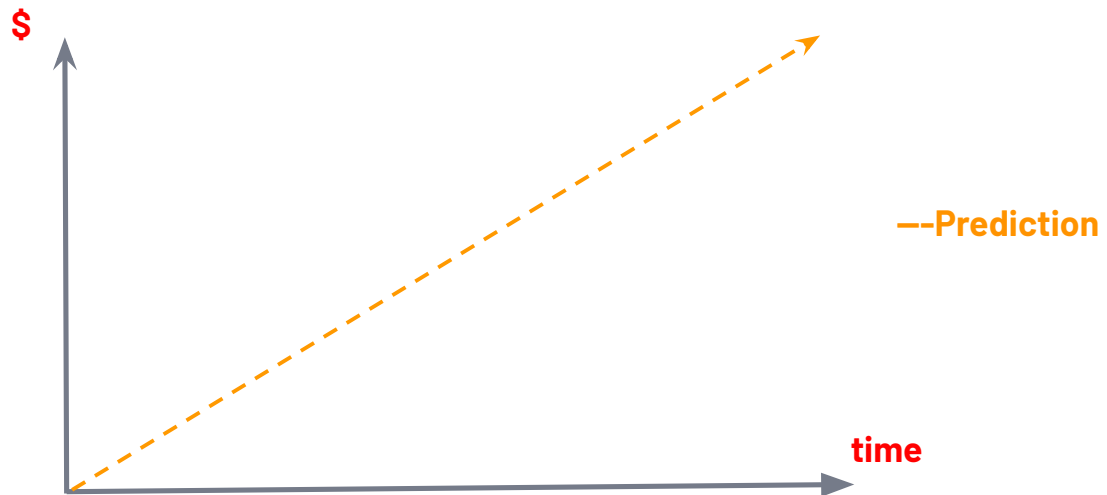
Features of Auto Scaling



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

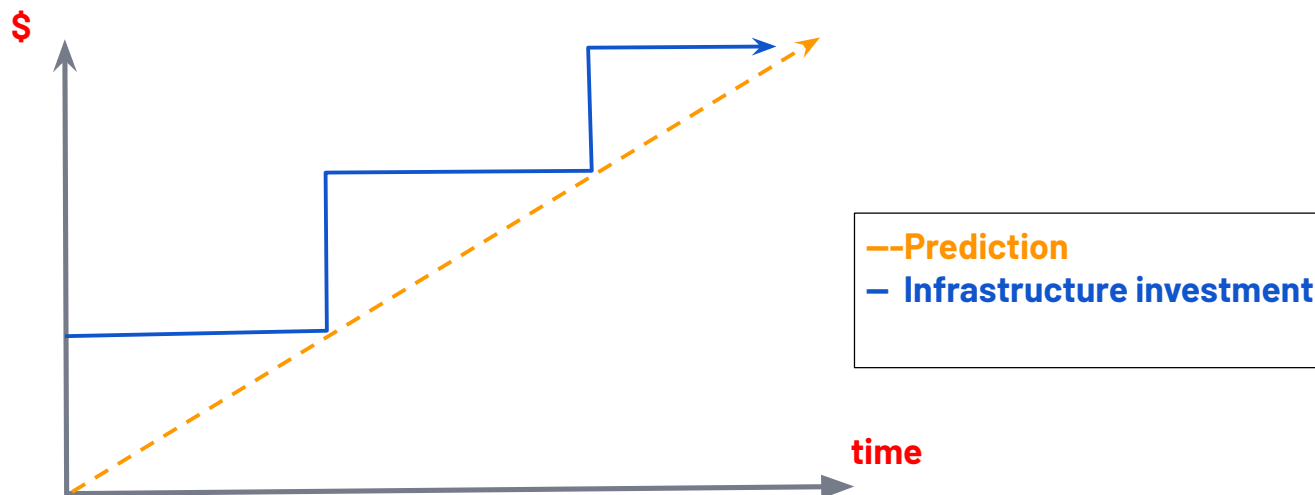
Auto Scaling

Better Cost Management



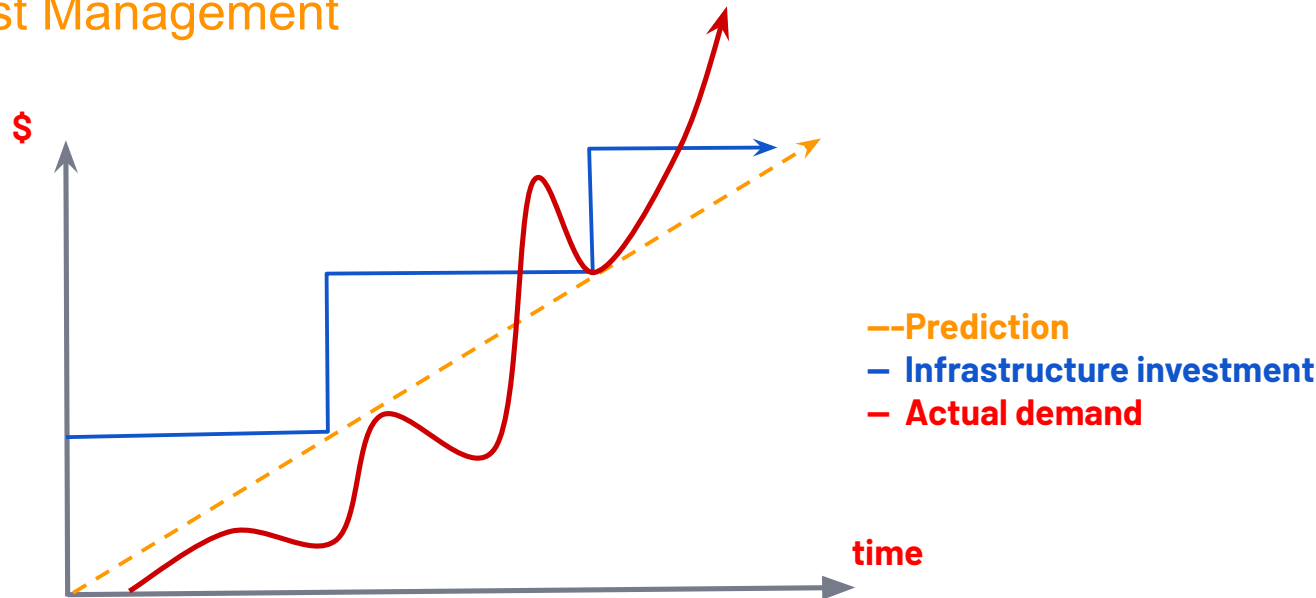
Auto Scaling

Better Cost Management



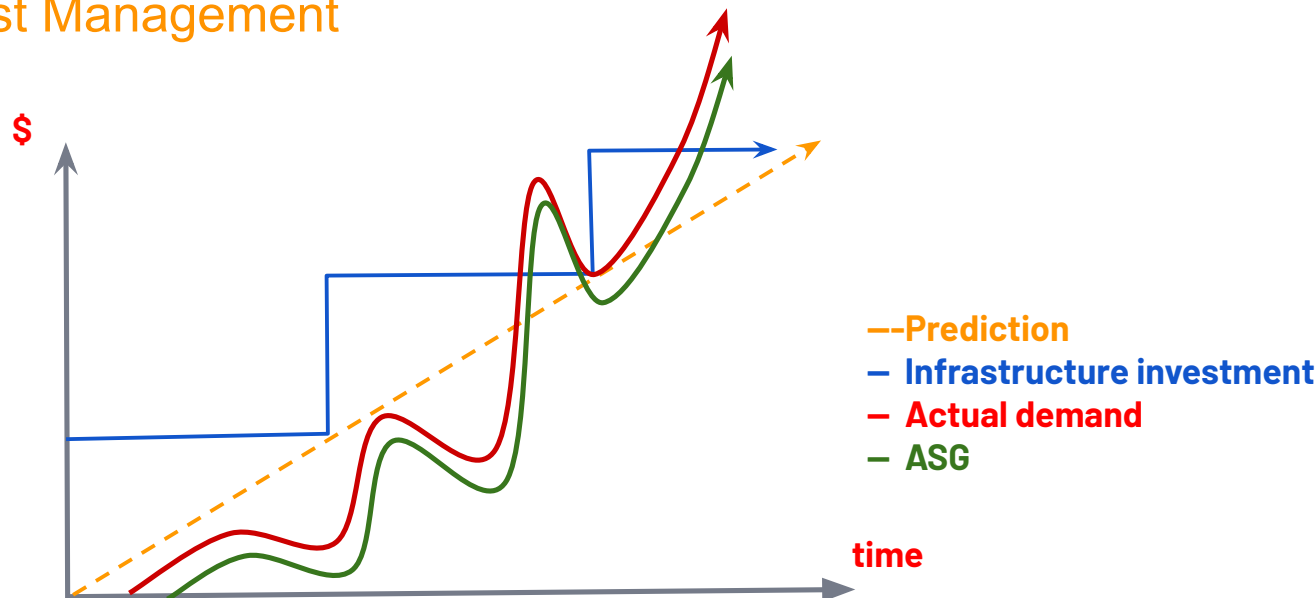
Auto Scaling

Better Cost Management



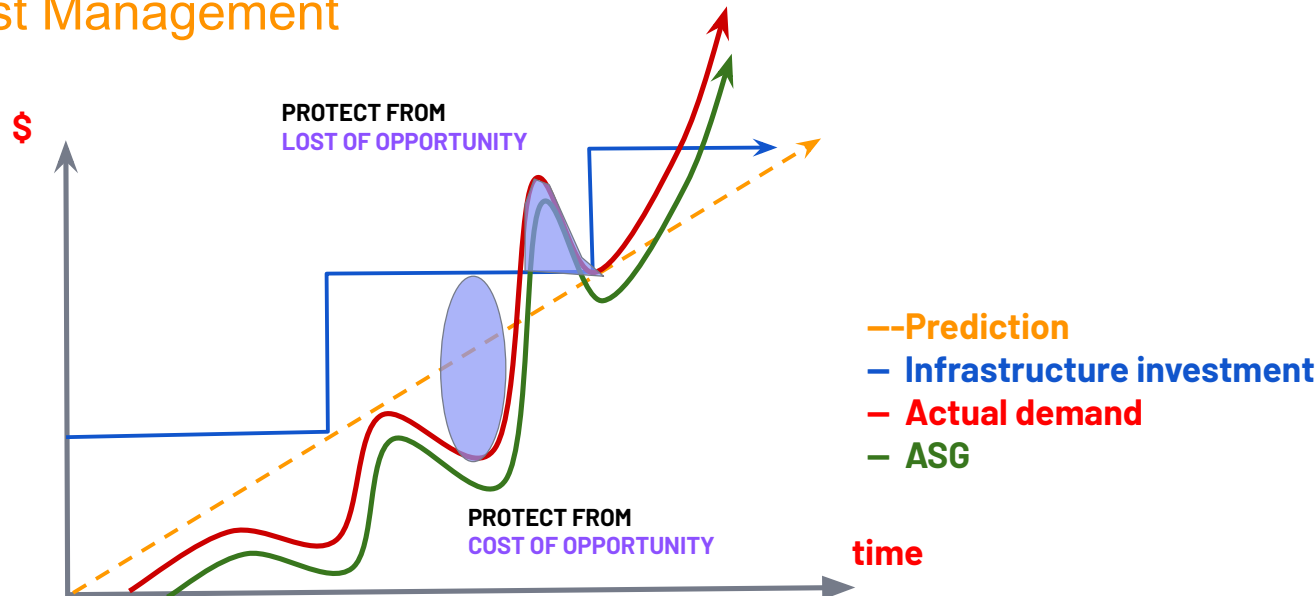
Auto Scaling

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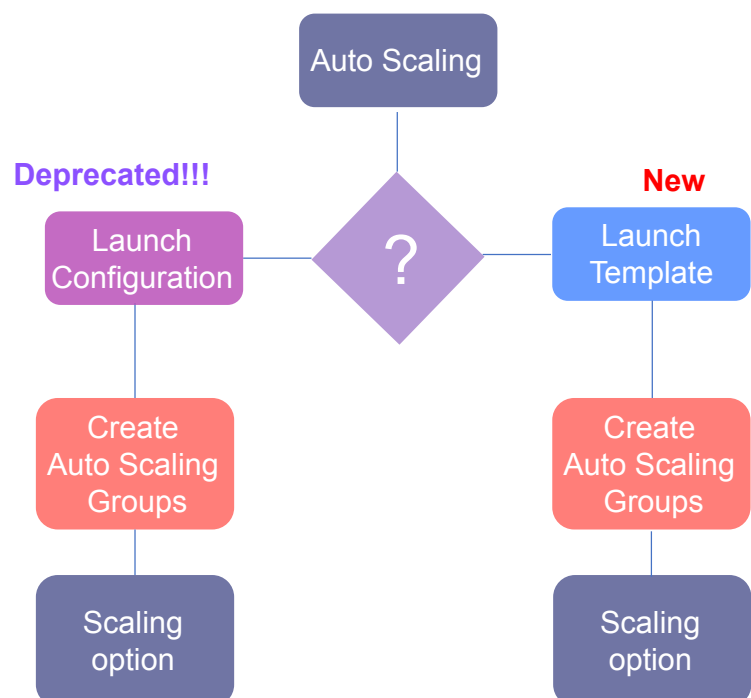


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Auto Scaling

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



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Auto Scaling

Launch Configuration Deprecation Schedule

The announcement from AWS

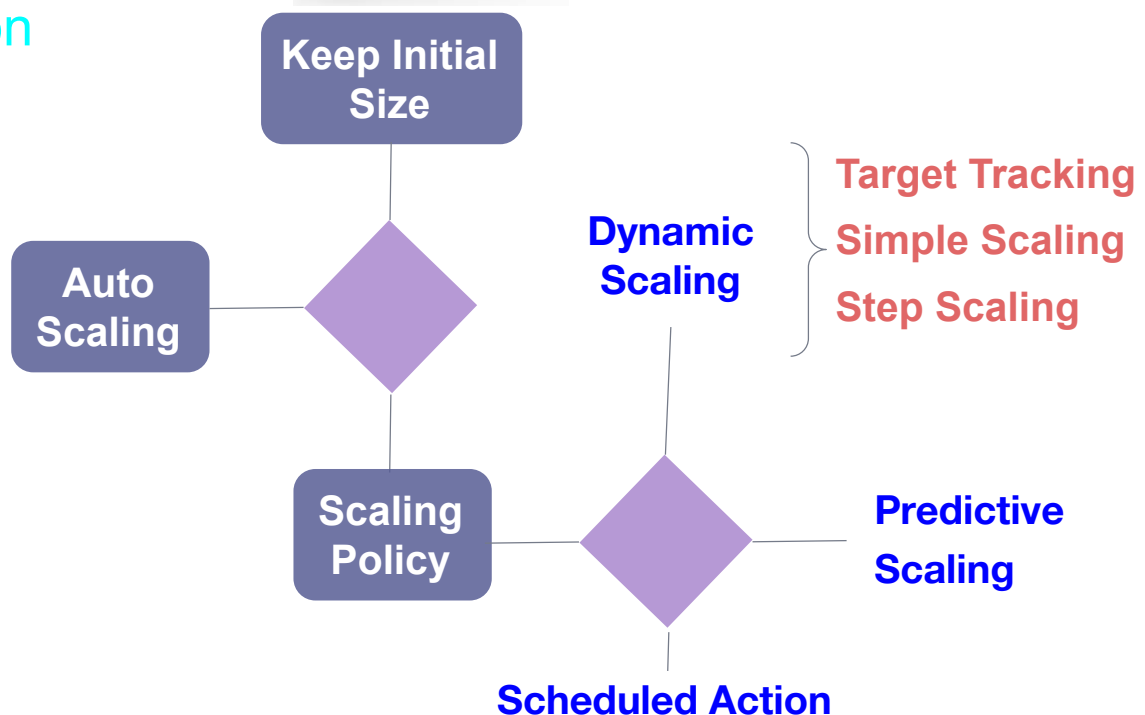
- March 31, 2023 - New accounts created after this date will not be able to create new launch configurations via the console. **API and CLI access will remain available to support customers** with automation use cases.
- December 31, 2023 - New accounts created after this date **will not be able to create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

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Auto Scaling Options

Next session

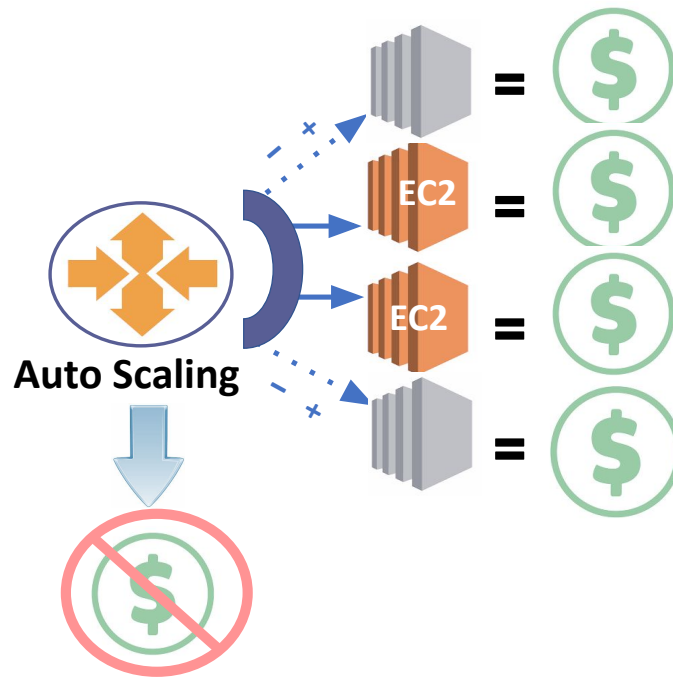


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Auto Scaling

Pricing for Amazon EC2 Auto Scaling



Lifecycle Auto Scaling

Let's get our hands dirty!

- Creating an Auto Scaling Group



THANKS!

Any questions?

