

**Discipline**

**Launch Instance & Launch Template difference**

**CS5002**

Activity-15

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* **Problem Statement:**

Compare the difference between Launch Configuration and Launch template.

* **Solution:**

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| **Launch Template** | **Launch Configuration** |
| A launch template is similar to a launch configuration, in that it specifies instance configuration information. It includes the ID of the Amazon Machine Image (AMI), the instance type, a key pair, security groups, and other parameters used to launch EC2 instances. | A launch configuration is **a template that an EC2 Auto Scaling group uses to launch EC2 instances.** |
| Practical key difference**: a single Launch Template can have multiple versions. defining a launch template instead of a launch configuration allows you to have multiple versions of a template.** | Practical key difference**: Launch Configuration is immutable.** Once you define it, you can't edit it. Only a replacement is an option. |
| Launch templates ensures that you're accessing the latest features and improvements. | Not all Amazon EC2 Auto Scaling features are available when you use launch configurations. |
| While launch templates are used when you launch an instance using the AWS EC2 console, an AWS SDK, or a command-line tool. | Launch configurations are used with Auto Scaling Groups. |