**Updating of AWS CloudFormation Stack**

When stack is updated the AWS CloudFormation compares the changes submitted with the current state of the stack and updates only the changed resources.

But the updating of the resource depends on the properties being updated. There can be three behaviors that can result based on the changes made in the stack.

**Update with No Interruption**

AWS CloudFormation updates the resource without disrupting operation of that resource and without changing the resource's physical ID.

**Updates with Some Interruption**

AWS CloudFormation updates the resource with some interruption and retains the physical ID.

**Replacement**

AWS CloudFormation recreates the resource during an update, which also generates a new physical ID.

**Type of Modification**

1. Add new resources, or remove existing resources.
2. Add, modify, or delete properties of existing resources.
3. Add, modify, or delete attributes for resources (Metadata, DependsOn, CreationPolicy, UpdatePolicy, and DeletionPolicy).
4. Add, modify, or delete parameter declarations. However, you cannot add, modify, or delete a parameter that is used by a resource that does not support updates.
5. Add, modify, or delete mapping declarations.

**Updating Stacks Using Change Sets**

Change sets allow you to preview how proposed changes to a stack might impact your running resources, for example, whether your changes will delete or replace any critical resources, AWS CloudFormation makes the changes to your stack only when you decide to execute the change set, allowing you to decide whether to proceed with your proposed changes or explore other changes by creating another change set.

