**Autoscaling group with adding LoadBalancer**

* AWSTemplateFormatVersion
* Description
* Parameters
* Resources

**AWSTemplateFormatVersion**

The AWSTemplateFormatVersion section identifies the capabilities of the template. The latest template format version is 2010-09-09 and is currently the only valid value.

**Example:** AWSTemplateFormatVersion: ‘2010-09-09’

**Description**

The Description section enables you to include comments about your template.

**Parameters**

Use the optional Parameters section to customize your templates. Parameters enable you to input custom values to your template each time you create or update a stack.

**Some of the examples for parameters**

* KeyName
* VpcId
* InstanceName
* ImageId
* KeyPair
* SubnetId

**Resources**

The required Resources section declares the AWS resources that you want to include in the stack, such as an Amazon EC2 instance or an Amazon S3 bucket.

1. In the resource section first launch a template of EC2 instance with user data.
2. Create a security group with reference to VpcId and allow the SSH access via port 22.
3. Creation of autoscaling group with the reference of a launch template here we can set how many instances are needed.
4. Set up an application load balancer with the subnets and security groups.
5. Next to add on Target group reference of VpcId and allow HTTP access via port 80.
6. setup an application load balancer with adding of target group arn & load balancer arn and allow the HTTP port 80.