

# CLUSTER CREATION

## FILE BREAKDOWN

### Command Breakdown

Flag	Description
eksctl create cluster	This is the base command that tells eksctl to create a new EKS cluster.
--name demo-ekscluster	Specifies the name of the EKS cluster you want to create, in this case, <b>demo-ekscluster</b> .
--region us-east-1	Sets the AWS region where the cluster will be created, here it's <b>us-east-1</b> (N. Virginia).
--version 1.27	Specifies the <b>Kubernetes version</b> to use for the EKS cluster (v1.27 in this case).
--nodegroup-name linux-nodes	Names the <b>node group</b> (the group of EC2 instances that run your containers), here named <b>linux-nodes</b> .
--node-type t2.micro	Specifies the EC2 instance type for the nodes. t2.micro is a small, low-cost instance (1 vCPU, 1GB RAM).
--nodes 2	Indicates the number of <b>worker nodes</b> (EC2 instances) to launch initially — in this case, <b>2 nodes</b> .