**strategies and best practices to optimize costs in an EKS deployment:**

* **Right-Sizing Kubernetes Worker Nodes**

Created cluster with t3. medium size to balance CPU memory usage

* **Enable Cluster Autoscaler**: Automatically scale up or down the number of worker nodes based on the workload. It ensures that you pay for only the resources you need while handling peaks in demand efficiently.
* **Right-Size Pods**: Allocate appropriate CPU and memory requests/limits for your containers

**Ingress Controllers**: Use a Kubernetes AWS ALB Ingress Controller) to efficiently manage external access to services. Ingress Controllers reduce the need for multiple load balancers, which helps save costs.

* **Idle Load Balancers**: Identify and delete idle or underutilized load balancers to avoid unnecessary charges.

After the deployment process deleted the load balancers and node group to avoid unnecessary charges.

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