

Step 1: Creating a cluster without autoscaling

To create a cluster with autoscaling enabled, use the `--enable-autoscaling` flag and specify `--min-nodes` and `--max-nodes`:

```
gcloud container clusters create gke-deep-dive --region=us-west1-a --disk-type=pd-standard --disk-size=10 --num-nodes=1
```

Step 2: Adding a node pool with autoscaling

To add a node pool with autoscaling to an existing cluster, use the following command:

```
gcloud container node-pools create gke-node-pool --cluster=gke-deep-dive --enable-autoscaling --max-nodes=2 --region=us-west1-a --disk-type=pd-standard --disk-size=10
```

Step 3: Verifying that autoscaling for the existing node pool is enabled

```
gcloud container node-pools describe gke-node-pool --cluster=gke-deep-dive |grep autoscaling -A 1
```

Step 4: Disabling autoscaling for an existing node pool

```
gcloud container clusters update gke-deep-dive --no-enable-autoscaling --node-pool=gke-node-pool --region=us-west1-a
```