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NeuAlto Technologies pvt ltd

EastEnd ,Jayanagar 9th Block

Bangalore

Project Name: Nirmata

# OVERVIEW

# The Nirmata platform is designed ground-up for cloud-native applications. Nirmata supports open container technologies and 100% upstream OSS Kuberenetes for scalable and efficient application management on any public or private cloud, and even bare-metal servers.

# GOALS

* Single management and control plane across multiple Kubernetes clusters and across cloud providers.
* Automated Kubernetes cluster installation, upgrades, and operations on any cloud. Nirmata can also discover existing Kubernetes clusters, for complete visibility and management.
* Elastic cluster sizing based on usage and custom metrics.

# My Roles and Responsibilities: I have worked in developing Cluster AutoScaler Feature for AWS clusters.

**Cluster AutoScaler:** The cluster autoscaler adds nodes to a cluster whenever it detects pending pods that could not be scheduled due to resource shortages.Removes nodes from a cluster, whenever the utilization of a node falls below a certain threshold defined by the cluster administrator.

The cluster autoscaler on AWS scales worker nodes within any specified autoscaling group. It will run as a Deployment in cluster.

<https://eksworkshop.com/scaling/deploy_ca.files/cluster_autoscaler.yml>This link will provide a yaml file to deploy Cluster Autosacle(CA) for EKS.