**Monitoring Setup In EKS**

**# Add Helm Repo**

helm repo add prometheus-community https://prometheus-community.github.io/helm-charts

helm repo update

**# values.yaml**

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alertmanager:

enabled: false

prometheus:

prometheusSpec:

service:

type: LoadBalancer

storageSpec:

volumeClaimTemplate:

spec:

storageClassName: ebs-sc

accessModes:

- ReadWriteOnce

resources:

requests:

storage: 5Gi

grafana:

enabled: true

service:

type: LoadBalancer

adminUser: admin

adminPassword: admin123

nodeExporter:

service:

type: LoadBalancer

kubeStateMetrics:

enabled: true

service:

type: LoadBalancer

additionalScrapeConfigs:

- job\_name: node-exporter

static\_configs:

- targets:

- node-exporter:9100

- job\_name: kube-state-metrics

static\_configs:

- targets:

- kube-state-metrics:8080

**# Deploy**

helm upgrade --install monitoring prometheus-community/kube-prometheus-stack -f values.yaml -n monitoring --create-namespace

**# Patch services to LoadBalancer for External Access**

kubectl patch svc monitoring-kube-prometheus-prometheus -n monitoring -p '{"spec": {"type": "LoadBalancer"}}'

kubectl patch svc monitoring-kube-state-metrics -n monitoring -p '{"spec": {"type": "LoadBalancer"}}'

kubectl patch svc monitoring-prometheus-node-exporter -n monitoring -p '{"spec": {"type": "LoadBalancer"}}'