Hướng dẫn cài monitor agent kubernetes cluster

Yêu cầu: manifest config cho node_exporter, grafana agent, kube-state-metric

Bước 1: Download k8s-agent

#git clone https://github.com/cuongnp92/monitor-xplat.git

Bước 2: Tạo namespace monitoring trên cluster

#kubectl create namespace monitoring

Bước 3: chỉnh sửa thông tin URL của Prometheus và loki trong file grafana-agent-aio-cm

```yaml
agent.yaml: |
  server:
    log_level: debug
    http_listen_port: 8080
    grpc_listen_port: 9095
  prometheus:
    wal_directory: /tmp/grafana-agent-wal
    global:
      scrape_interval: 60s
      external_labels:
        kubernetes_cluster_name: CLUSTER-NAME
    configs:
    - name: integrations
      host_filter: false
      remote_write:
      - url: https://fmon-metric.prod.fmon.fptcloud.com/api/v1/write
        basic_auth:
          username: user
          password: pass
        tls_config:
          insecure_skip_verify: true
```

```yaml
kind: ConfigMap
metadata:
  name: grafana-agent-logs
  namespace: monitoring
apiVersion: v1
data:
  agent-logs.yaml: |
    loki:
        configs:
          - clients:
              - url: https://fmon-logging.prod.fmon.fptcloud.com/loki/api/v1/push
                basic_auth:
                  username: user
                  password: pass
                external_labels:
                  kubernetes_cluster_name: CLUSTER-NAME
            name: default
```

#kubectl apply –f /k8s-agent/grafana-agent

Bước4: Kiểm tra pod node exporter được cài đặt thành công (running)

#kubectl get pods –n monitoring

```
root@fahasak8scluster-ws16xocj-master1-172.20.30.2:~# kubectl get pods -n monitoring
NAME                                READY   STATUS    RESTARTS   AGE
grafana-agent-all-in-one-6mb95      3/3     Running   0          7h5m
grafana-agent-all-in-one-b82d4      3/3     Running   0          7h4m
grafana-agent-all-in-one-bm4sq      3/3     Running   0          7h5m
grafana-agent-all-in-one-qzwlh      3/3     Running   0          7h4m
grafana-agent-all-in-one-zfnbn      3/3     Running   0          7h4m
grafana-agent-all-in-one-znx5k      3/3     Running   0          7h5m
```