

PKOS 7주차

과제 수행결과

- 과제 수행과정은 블로그 본문에 자세히 기술했습니다.

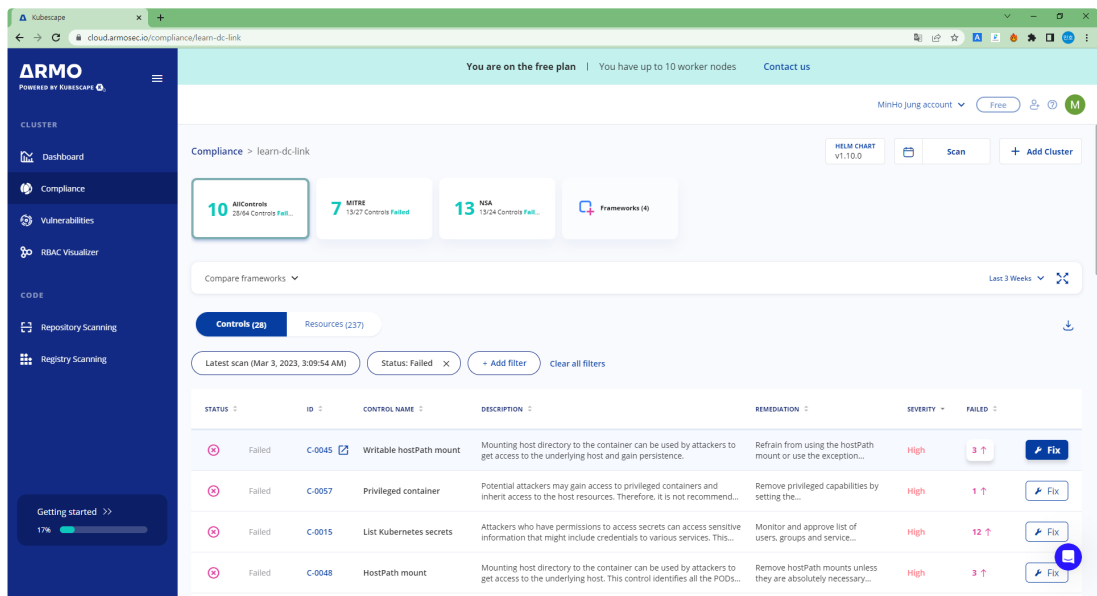
과제1

- 목표 : 파드에서 EC2 메타데이터의 IAM Role 토큰 정보를 활용하여(boto3), 스테디에서 소개한 것 이외의 다른 AWS 서비스(혹은 Action)를 사용 후 코드나 스샷을 올려주세요
- 수행결과

```
(learn-ld:default) [root@kops-ec2 ~]# kubectl exec -it $PODNAME1 -- sh
~/dev # cat <<EOF> az.py
> import boto3
>
> ec2 = boto3.client('ec2', region_name='us-east-1')
>
> # Retrieves all regions/endpoints that work with EC2
> response = ec2.describe_regions()
> print('Regions:', response['Regions'])
> EOF
~/dev # python az.py
('Regions:', [{u'Endpoint': 'ec2.ap-south-1.amazonaws.com', u'RegionName': 'ap-south-1'}, {u'Endpoint': 'ec2.eu-north-1.amazonaws.com', u'RegionName': 'eu-north-1'}, {u'Endpoint': 'ec2.eu-west-3.amazonaws.com', u'RegionName': 'eu-west-3'}, {u'Endpoint': 'ec2.eu-west-2.amazonaws.com', u'RegionName': 'eu-west-2'}, {u'Endpoint': 'ec2.eu-west-1.amazonaws.com', u'RegionName': 'eu-west-1'}, {u'Endpoint': 'ec2.ap-northeast-3.amazonaws.com', u'RegionName': 'ap-northeast-3'}, {u'Endpoint': 'ec2.ap-northeast-2.amazonaws.com', u'RegionName': 'ap-northeast-2'}, {u'Endpoint': 'ec2.ap-northeast-1.amazonaws.com', u'RegionName': 'ap-northeast-1'}, {u'Endpoint': 'ec2.ca-central-1.amazonaws.com', u'RegionName': 'ca-central-1'}, {u'Endpoint': 'ec2.sa-east-1.amazonaws.com', u'RegionName': 'sa-east-1'}, {u'Endpoint': 'ec2.ap-southeast-1.amazonaws.com', u'RegionName': 'ap-southeast-1'}, {u'Endpoint': 'ec2.ap-southeast-2.amazonaws.com', u'RegionName': 'ap-southeast-2'}, {u'Endpoint': 'ec2.eu-central-1.amazonaws.com', u'RegionName': 'eu-central-1'}, {u'Endpoint': 'ec2.us-east-1.amazonaws.com', u'RegionName': 'us-east-1'}, {u'Endpoint': 'ec2.us-east-2.amazonaws.com', u'RegionName': 'us-east-2'}, {u'Endpoint': 'ec2.us-west-1.amazonaws.com', u'RegionName': 'us-west-1'}, {u'Endpoint': 'ec2.us-west-2.amazonaws.com', u'RegionName': 'us-west-2'}])
~/dev # exit
(learn-ld:default) [root@kops-ec2 ~]#
```

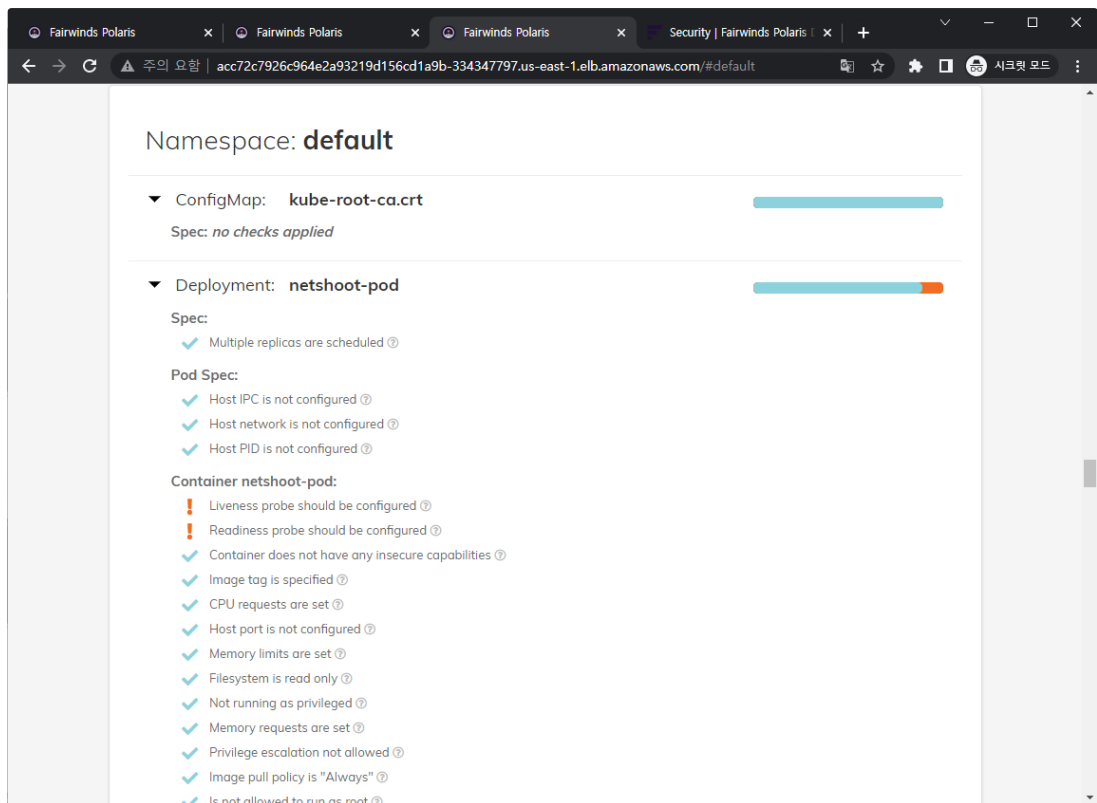
과제2

- 목표 : 책 398~400페이지 - kubescape armo 웹 사용 후 관련 스샷을 올려주세요
- 수행결과



과제3

- 목표 : polaris 관련 실습(아무거나) 후 관련 스샷을 올려주세요
- 수행결과



과제4

- 목표 : 신규 서비스 어카운트(SA) 생성 후 '클러스터 수준(모든 네임스페이스 포함)에서 읽기 전용'의 권한을 주고 테스트 후 코드나 스샷을 올려주세요
- 수행결과

```
(learn-ld:default) [root@kops-ec2 ~]# k1 get pods
NAME          READY   STATUS    RESTARTS   AGE
infra-kubectl-cluster  1/1     Running   0           65s
(learn-ld:default) [root@kops-ec2 ~]# k1 run nginx --image nginx:1.20-alpine
Error from server (Forbidden): pods is forbidden: User "system:serviceaccount:infra-team:infra-k8s-cluster" cannot create resource "pods" in API group "" in the namespace "infra-team"
command terminated with exit code 1
(learn-ld:default) [root@kops-ec2 ~]# k1 get nodes
NAME          STATUS    ROLES    AGE     VERSION
i-079730d8be41cb19e  Ready    node     5h14m   v1.24.10
i-0dc31426eaffc7e10  Ready    node     3h26m   v1.24.10
i-0e8160ae86cb097fc  Ready    control-plane  5h15m   v1.24.10
(learn-ld:default) [root@kops-ec2 ~]# k1 get ns
NAME          STATUS    AGE
default       Active    5h15m
infra-team    Active    4m13s
kube-node-lease  Active    5h15m
kube-public    Active    5h15m
kube-system    Active    5h15m
kubescape     Active    63m
polaris       Active    55m
(learn-ld:default) [root@kops-ec2 ~]# k1 create ns test
Error from server (Forbidden): namespaces is forbidden: User "system:serviceaccount:infra-team:infra-k8s-cluster" cannot create resource "namespaces" in API group "" at the cluster scope
command terminated with exit code 1
(learn-ld:default) [root@kops-ec2 ~]#
```

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