

Home | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address=...

aws Services Search [Alt+S]

EC2

```
2024-09-28 06:30:05 [i] deleted 0 Fargate profile(s)
2024-09-28 06:30:06 [✓] kubeconfig has been updated
2024-09-28 06:30:06 [i] cleaning up AWS load balancers created by Kubernetes objects of Kind Service or Ingress
2024-09-28 06:30:31 [i]
2 sequential tasks: { delete nodegroup "ng-2818c901", delete cluster control plane "javaproject" [async]
}
2024-09-28 06:30:31 [i] will delete stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:30:31 [i] waiting for stack "eksctl-javaproject-nodegroup-ng-2818c901" to get deleted
2024-09-28 06:30:32 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:31:02 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:31:49 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:33:43 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:34:20 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:35:05 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:36:06 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:37:05 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:37:54 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:38:52 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 06:39:53 [i] will delete stack "eksctl-javaproject-cluster"
2024-09-28 06:39:53 [✓] all cluster resources were deleted
jenkins@jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)

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12:18

28-09-2024

CloudFormation - Stack eksctl-j

ap-south-1.console.aws.amazon.com/cloudformation/home?region=ap-south-1#/stacks/stackinfo?filteringStatus=active&filteringText=&stackId=arn%3Aaws%3Acloudformation%3A...

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EC2

Stacks (2)

Filter by stack name

Filter status

Active View nested

Stacks

ng-2818c901

2024-09-28 09:38:12 UTC+0530

DELETE_IN_PROGRESS

eksctl-javaproject-cluster

2024-09-28 09:26:09 UTC+0530

CREATE_COMPLETE

eksctl-javaproject-cluster

Delete Update Stack actions Create stack

Stack info Events Resources Outputs Parameters Template

Overview

Stack ID

arn:aws:cloudformation:ap-south-1:992382789479:stack/eksctl-javaproject-cluster/98363d60-7d4d-11ef-8471-0ab2a1a612c5

Description

EKS cluster (dedicated VPC: true, dedicated IAM: true) [created and managed by eksctl]

Status

CREATE_COMPLETE

Detailed status

-

Status reason

Root stack

CloudFormation - Stack x EC2 Instance Connect x +

ap-south-1.console.aws.amazon.com/cloudformation/home?region=ap-south-1#/stacks?filteringText=&filteringStatus=active&viewNested=true

aws Services Search [Alt+S]

EC2

CloudFormation

- Stacks
- StackSets
- Exports
- Application Composer [New](#)
- IaC generator
- Registry
 - Public extensions
 - Activated extensions
 - Publisher

CloudFormation > Stacks

Stacks (2) [Refresh](#) [Delete](#) [Update](#) [Stack actions](#) [Create stack](#)

Filter status: Active [View nested](#) < 1 >

	Stack name	Status	Created time
<input type="radio"/>	eksctl-javaproject-nodegroup-ng-2818c901	DELETE_IN_PROGRESS	2024-09-28 09:38:12 UTC+0530
<input type="radio"/>	eksctl-javaproject-cluster	CREATE_COMPLETE	2024-09-28 09:26:09 UTC+0530

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ap-south-1.console.aws.amazon.com/ecr/repositories/public/992382789479/javaapp?region=ap-south-1

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EC2

Image scan overview, status, and full vulnerabilities has moved to the Image detail page. To access, click an image tag.

Amazon ECR > Public Registry > Repositories > javaapp

javaapp [View public listing](#) [View push commands](#)

Images (2) [Refresh](#) [Delete](#) [Details](#)

< 1 >

<input type="checkbox"/>	Image tag	Artifact type	Pushed at	Size (MB)	Image URI	Digest
<input type="checkbox"/>	latest	Image	September 28, 2024, 11:10:58 (UTC+05.5)	129.79	Copy URI	sha256:1df7c341...
<input type="checkbox"/>	-	Image	September 28, 2024, 10:56:20 (UTC+05.5)	129.79	Copy URI	sha256:14ee739...

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address=...

aws

Services

Search

[Alt+S]

Mumbai

Nidhya

EC2

jenkins@jenkins:~\$ eksctl get cluster --name javaproject --region ap-south-1

NAME	VERSION	STATUS	CREATED	SECURITYGROUPS	VPC	PROVIDER	SUBNETS
javaproject	1.30	ACTIVE	2024-09-28T03:56:32Z	vpc-08162bcb3c1854f6b	sg-00e94587275ee9649	EKS	subnet-06fd1cb7597b7ff14, subnet-0799f2f0fec00955f, subnet-09b57ce0bea163ce4, subnet-0ea51d104da4d1bf7

jenkins@jenkins:~\$ eksctl delete cluster --name javaproject --region ap-south-1

2024-09-28 06:30:05 [i] deleting EKS cluster "javaproject"

2024-09-28 06:30:05 [i] will drain 0 unmanaged nodegroup(s) in cluster "javaproject"

2024-09-28 06:30:05 [i] starting parallel draining, max in-flight of 1

2024-09-28 06:30:05 [X] failed to acquire semaphore while waiting for all routines to finish: context canceled

2024-09-28 06:30:05 [i] deleted 0 Fargate profile(s)

2024-09-28 06:30:06 [✓] kubeconfig has been updated

2024-09-28 06:30:06 [i] cleaning up AWS load balancers created by Kubernetes objects of Kind Service or Ingress

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aws

Services

Search

[Alt+S]

Mumbai

Nidhya

EC2

jenkins@jenkins:~\$ eksctl get cluster --name javaproject --region ap-south-1

NAME	VERSION	STATUS	CREATED	SECURITYGROUPS	VPC	PROVIDER	SUBNETS
javaproject	1.30	ACTIVE	2024-09-28T03:56:32Z	vpc-08162bcb3c1854f6b	sg-00e94587275ee9649	EKS	subnet-06fd1cb7597b7ff14, subnet-0799f2f0fec00955f, subnet-09b57ce0bea163ce4, subnet-0ea51d104da4d1bf7

jenkins@jenkins:~\$

i-02bcac702e3973e52 (VM-EKS)

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Browser tabs: EKS-CKD/src/main/resou... | Inbox (21,445) - nidhyapa... | Instances | EC2 | ap-south-... | Dashboard [Jenkins] | EC2 Instance Connect | My Awesome Spring Boot | +

Address bar: ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFam...

CloudShell interface:

```
jenkins@Jenkins:~$ kubectl get cluster --name javaproject --region ap-south-1
NAME                                VERSION  STATUS  CREATED          VPC                                SUBNETS                                SECURITYGROUPS  PROVIDER
javaproject                         1.30     ACTIVE  2024-09-28T03:56:32Z  vpc-08162bcb3c1854f6b  subnet-06fd1cb7597b7ff14,subnet-0799f2f0fac00955f,subnet-09b57c0b0bea163ce4,subnet-0ea51d104da4d1bf7  sg-00e94587275ea9649  EKS
jenkins@Jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)
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CloudShell interface (continued):

```
jenkins@Jenkins:~$ kubectl get svc
NAME                                TYPE                CLUSTER-IP      EXTERNAL-IP      PORT(S)      AGE
kubernetes                         ClusterIP           10.100.0.1      <none>            443/TCP      139m
springboot-app                     LoadBalancer       10.100.39.105   ab3988e7abe2f40f38d3eb690addc3d7-1059905175.ap-south-1.elb.amazonaws.com  80:31704/TCP  55m
jenkins@Jenkins:~$ kubectl create deployment nginx --image=nginx
deployment.apps/nginx created
jenkins@Jenkins:~$ kubectl get deploy
NAME      READY  UP-TO-DATE  AVAILABLE  AGE
nginx     0/1    1           0          44s
springboot-app  2/4    4           2          58m
jenkins@Jenkins:~$ kubectl get deployment
NAME      READY  UP-TO-DATE  AVAILABLE  AGE
nginx     0/1    1           0          51s
springboot-app  2/4    4           2          58m
jenkins@Jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)
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Browser tabs: EKS-CKD/src/main/resources/, Inbox (21,445) - nidhyapandiar..., Instances | EC2 | ap-south-1, Dashboard [Jenkins], EC2 Instance Connect

URL: ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

Services Search [Alt+S]

EC2

```
jenkins@Jenkins:~$ kubectl get svc
NAME                TYPE        CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
kubernetes          ClusterIP   10.100.0.1       <none>            443/TCP          139m
springboot-app      LoadBalancer 10.100.39.105    a03888e7abe2f40f38d3eb690addc3d7-1059905175.ap-south-1.elb.amazonaws.com 80:31704/TCP 55m
jenkins@Jenkins:~$ kubectl create deployment nginx --image=nginx
deployment.apps/nginx created
jenkins@Jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)

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Browser tabs: EKS-CKD/src, Inbox (21,445) - nidhyapandiar..., Instances | E..., Dashboard |, EC2 Instance..., Elastic Cont..., rm | IAM | G..., My Awesom..., My Awesom...

URL: ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

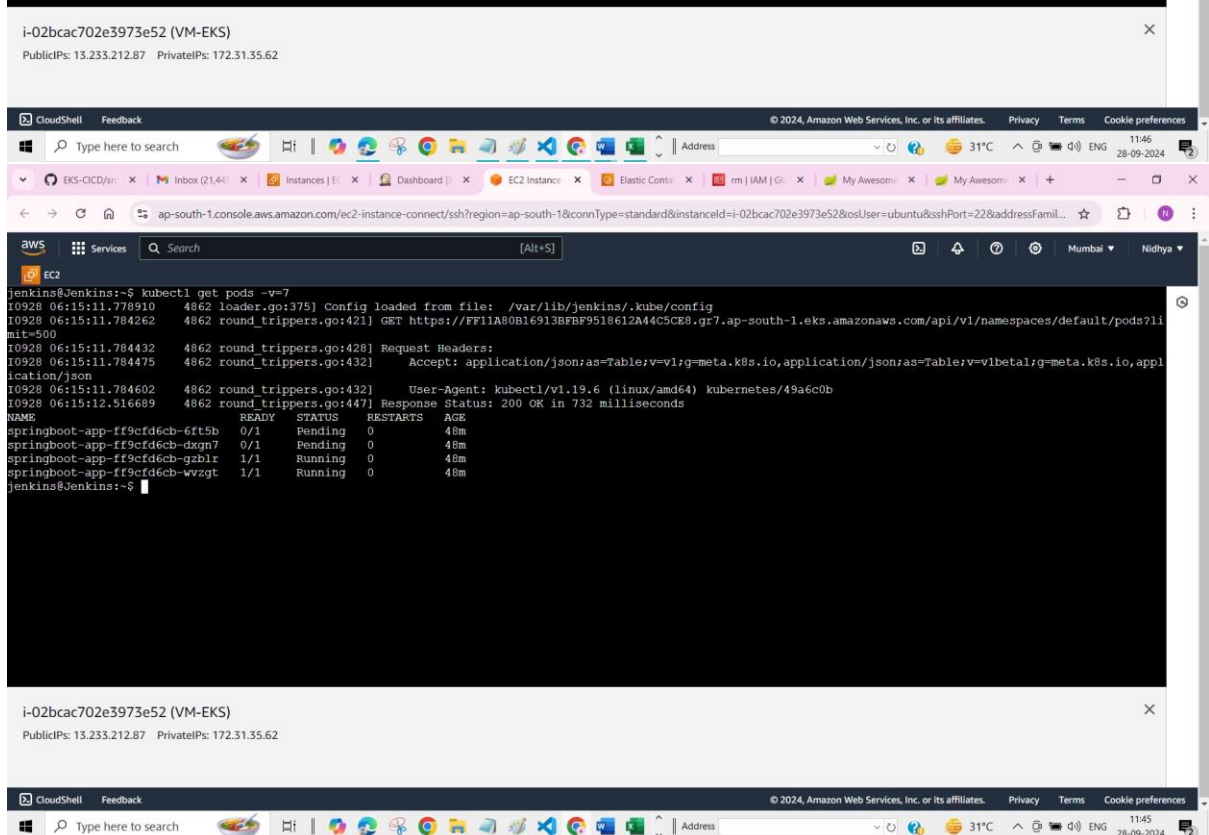
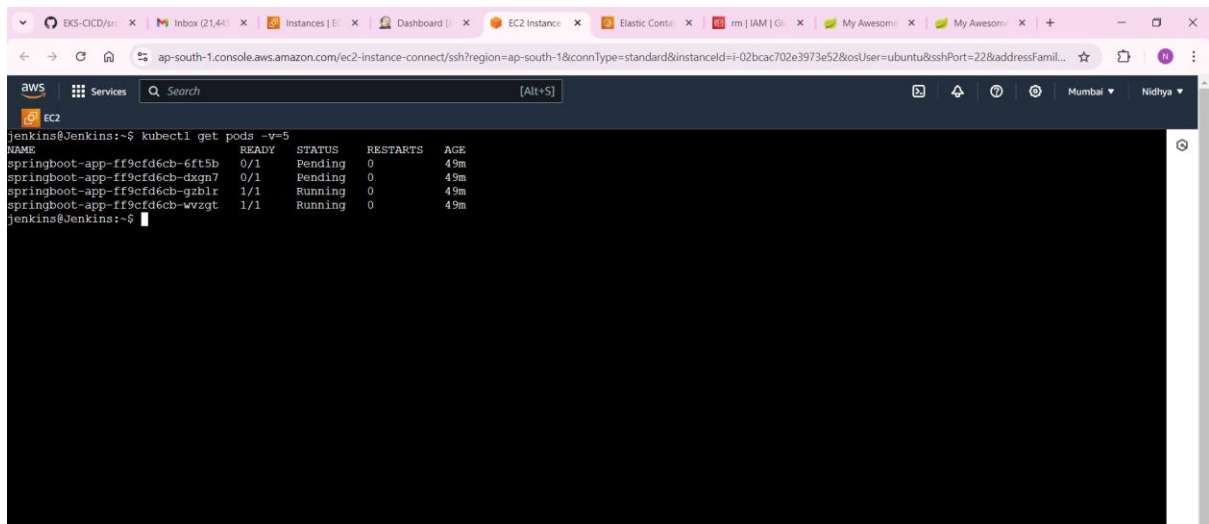
Services Search [Alt+S]

EC2

```
jenkins@Jenkins:~$ kubectl get ns
NAME                STATUS  AGE
default             Active  135m
kube-node-lease     Active  135m
kube-public         Active  135m
kube-system         Active  135m
jenkins@Jenkins:~$ kubectl get all -n default
NAME                                     READY   STATUS    RESTARTS   AGE
pod/springboot-app-ff9cfd6cb-6ft5b      0/1     Pending   0           50m
pod/springboot-app-ff9cfd6cb-3xgn7      0/1     Pending   0           50m
pod/springboot-app-ff9cfd6cb-gzblz     1/1     Running   0           50m
pod/springboot-app-ff9cfd6cb-wvzgt     1/1     Running   0           50m
NAME                TYPE        CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
service/kubernetes  ClusterIP   10.100.0.1       <none>            443/TCP          135m
service/springboot-app  LoadBalancer 10.100.39.105    a03888e7abe2f40f38d3eb690addc3d7-1059905175.ap-south-1.elb.amazonaws.com 80:31704/TCP 50m
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/springboot-app  2/4     4             2           50m
NAME                DESIRED   CURRENT   READY   AGE
replicaset.apps/springboot-app-ff9cfd6cb  4         4         2       50m
jenkins@Jenkins:~$
```

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ap-south-1-console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

Services Search [Alt+S]

EC2

```
jenkins@Jenkins:~$ kubectl describe pod springboot-app-ff9cf6cb-wvzgt
Name:          springboot-app-ff9cf6cb-wvzgt
Namespace:     default
Priority:       0
Node:          ip-192-168-30-111.ap-south-1.compute.internal/192.168.30.111
Start Time:    Sat, 28 Sep 2024 05:26:24 +0000
Labels:        app=springboot-app
               pod-template-hash=ff9cf6cb
Annotations:   <none>
Status:        Running
IP:            192.168.20.193
IPs:           192.168.20.193
Controlled By: ReplicaSet/springboot-app-ff9cf6cb
Containers:
  my-springboot-app:
    Container ID:   containerd://c52a5ac8588d79cd0be4d76978c0b60604c2902c4745ef068a74aa5ebca201c5
    Image:          public.ecr.aws/u016f6d9/javaapp
    Image ID:       public.ecr.aws/u016f6d9/javaapp@sha256:14ee73993290d1c23e61b99f642f4185e7d286483955ed34bf9aa321674719c6e
    Port:           8085/TCP
    Host Port:      0/TCP
    State:          Running
      Started:      Sat, 28 Sep 2024 05:26:41 +0000
    Ready:          True
    Restart Count:  0
    Environment:    <none>
    Mounts:
      /var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-8b5gq (ro)
Conditions:
```

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ap-south-1-console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

Services Search [Alt+S]

EC2

```
jenkins@Jenkins:~$ kubectl get cm
NAME          DATA  AGE
kube-root-ca.crt 1       130m
jenkins@Jenkins:~$ kubectl get pods
NAME          READY  STATUS   RESTARTS  AGE
springboot-app-ff9cf6cb-6ft5b  0/1    Pending  0          45m
springboot-app-ff9cf6cb-dxgn7  0/1    Pending  0          45m
springboot-app-ff9cf6cb-gzblr  1/1    Running  0          45m
springboot-app-ff9cf6cb-wvzgt  1/1    Running  0          45m
jenkins@Jenkins:~$ kubectl describe pod springboot-app-ff9cf6cb-wvzgt
```

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ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

jenkins@jenkins:~\$ kubectl config view

```
apiVersion: v1
clusters:
- cluster:
    certificate-authority-data: DATA+OMITTED
    server: https://FF11A80B16913BFBF9518612A44C5CE8.gr7.ap-south-1.eks.amazonaws.com
    name: arn:aws:eks:ap-south-1:992382789479:cluster/javaproject
- cluster:
    certificate-authority-data: DATA+OMITTED
    server: https://65482387CB3494CF36901A032D13566.yl4.ap-south-1.eks.amazonaws.com
    name: arn:aws:eks:ap-south-1:992382789479:cluster/springproject
- cluster:
    certificate-authority-data: DATA+OMITTED
    server: https://823E3DB8BDD64399BC2C7695216DEE2.gr7.ap-south-1.eks.amazonaws.com
    name: cluster1.ap-south-1.eksctl.io
- cluster:
    certificate-authority-data: DATA+OMITTED
    server: https://FF11A80B16913BFBF9518612A44C5CE8.gr7.ap-south-1.eks.amazonaws.com
    name: javaproject.ap-south-1.eksctl.io
- cluster:
    certificate-authority-data: DATA+OMITTED
    server: https://65482387CB3494CF36901A032D13566.yl4.ap-south-1.eks.amazonaws.com
    name: springproject.ap-south-1.eksctl.io
contexts:
- context:
    cluster: arn:aws:eks:ap-south-1:992382789479:cluster/javaproject
    user: arn:aws:eks:ap-south-1:992382789479:cluster/javaproject
    name: arn:aws:eks:ap-south-1:992382789479:cluster/javaproject
current-context: arn:aws:eks:ap-south-1:992382789479:cluster/javaproject
```

i-02bcac702e3973e52 (VM-EKS)

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ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

jenkins@jenkins:~\$ kubectl config get-clusters

```
NAME
cluster1.ap-south-1.eksctl.io
javaproject.ap-south-1.eksctl.io
springproject.ap-south-1.eksctl.io
arn:aws:eks:ap-south-1:992382789479:cluster/javaproject
arn:aws:eks:ap-south-1:992382789479:cluster/springproject
jenkins@jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)

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ap-south-1-console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

Services Search [Alt+S]

EC2

```
jenkins@jenkins:~$ kubectl config current-context
arn:aws:eks:ap-south-1:992382789479:cluster/javaproject
jenkins@jenkins:~$ kubectl config get-context
error: unknown command "get-context"
See 'kubectl config -h' for help and examples
jenkins@jenkins:~$ kubectl config -h get-context
Modify kubeconfig files using subcommands like "kubectl config set current-context my-context"

The loading order follows these rules:
1. If the --kubeconfig flag is set, then only that file is loaded. The flag may only be set once and no merging takes place.
2. If $KUBECONFIG environment variable is set, then it is used as a list of paths (normal path delimiting rules for your system). These paths are merged. When a value is modified, it is modified in the file that defines the stanza. When a value is created, it is created in the first file that exists. If no files in the chain exist, then it creates the last file in the list.
3. Otherwise, ${HOME}/.kube/config is used and no merging takes place.

Available Commands:
current-context  Displays the current-context
delete-cluster   Delete the specified cluster from the kubeconfig
delete-context   Delete the specified context from the kubeconfig
get-clusters     Display clusters defined in the kubeconfig
get-contexts     Describe one or many contexts
rename-context   Renames a context from the kubeconfig file.
set              Sets an individual value in a kubeconfig file
set-cluster      Sets a cluster entry in kubeconfig
set-context      Sets a context entry in kubeconfig
set-credentials  Sets a user entry in kubeconfig
```

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Services Search [Alt+S]

EC2

```
1. If the --kubeconfig flag is set, then only that file is loaded. The flag may only be set once and no merging takes place.
2. If $KUBECONFIG environment variable is set, then it is used as a list of paths (normal path delimiting rules for your system). These paths are merged. When a value is modified, it is modified in the file that defines the stanza. When a value is created, it is created in the first file that exists. If no files in the chain exist, then it creates the last file in the list.
3. Otherwise, ${HOME}/.kube/config is used and no merging takes place.

Available Commands:
current-context  Displays the current-context
delete-cluster   Delete the specified cluster from the kubeconfig
delete-context   Delete the specified context from the kubeconfig
get-clusters     Display clusters defined in the kubeconfig
get-contexts     Describe one or many contexts
rename-context   Renames a context from the kubeconfig file.
set              Sets an individual value in a kubeconfig file
set-cluster      Sets a cluster entry in kubeconfig
set-context      Sets a context entry in kubeconfig
set-credentials  Sets a user entry in kubeconfig
unset            Unsets an individual value in a kubeconfig file
use-context      Sets the current-context in a kubeconfig file
view             Display merged kubeconfig settings or a specified kubeconfig file

Usage:
kubectl config SUBCOMMAND [options]

Use "kubectl <command> --help" for more information about a given command.
Use "kubectl options" for a list of global command-line options (applies to all commands).
jenkins@jenkins:~$
```

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Dashboard

JavaProject

Status

Changes

Build Now

Configure

Delete Pipeline

GitHub

Stages

Rename

Pipeline Syntax

GitHub Hook Log

JavaProject

Add description

Permalinks

Last build (#5), 17 min ago

Last stable build (#5), 17 min ago

Last successful build (#5), 17 min ago

Last failed build (#3), 43 min ago

Last unsuccessful build (#3), 43 min ago

Last completed build (#5), 17 min ago

Build History

trend

Filter...

#5

Sep 28, 2024, 5:40 AM

#4

ap-south-1.console.aws.amazon.com/ecr/repositories/public/992382789479/javaapp/_/image/sha256:14ee73993290d1c23e61b99f642f4185e7d286483955ed34bfaa321674719c6e/details...

Services

Search

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Mumbai

Nidhya

Amazon Elastic Container Registry

Private registry

Repositories

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Public registry

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Documentation

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Repositories

javaapp

sha256:14ee73993290d1c23e61b99f642f4185e7d286483955ed34bfaa321674719c6e

Image

Details

Image tags

-

URI

public.ecr.aws/u0l6fd9/javaapp@sha256:14ee73993290d1c23e61b99f642f4185e7d286483955ed34bfaa321674719c6e

Digest

sha256:14ee73993290d1c23e61b99f642f4185e7d286483955ed34bfaa321674719c6e

General information

Artifact type

Image

Repository

javaapp

Pushed at

September 28, 2024, 10:56:20 (UTC+05.5)

Size (MB)

129.79

CloudShell

Feedback

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ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

EC2

```
jenkins@jenkins:~$ kubectl describe svc
Name:                kubernetess
Namespace:           default
Labels:              component=apiserver,provider=kubernetess
Annotations:         <none>
Selector:            <none>
Type:                ClusterIP
IP:                  10.100.0.1
Port:                https 443/TCP
TargetPort:          443/TCP
Endpoints:           192.168.105.136:443,192.168.71.249:443
Session Affinity:    None
Events:              <none>

Name:                springboot-app
Namespace:           default
Labels:              app=springboot-app,k8s-app=springboot-app
Annotations:         <none>
Selector:            app=springboot-app
Type:                LoadBalancer
IP:                  10.100.39.105
LoadBalancer Ingress: a03888e7abe2f40f38d3eb690addc3d7-1059905175.ap-south-1.elb.amazonaws.com
Port:                http 80/TCP
TargetPort:          8085/TCP
NodePort:            http 31704/TCP
Endpoints:           192.168.10.208:8085,192.168.20.193:8085
```

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

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11:20

28-09-2024

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

EC2

```
IP:                  10.100.0.1
Port:                https 443/TCP
TargetPort:          443/TCP
Endpoints:           192.168.105.136:443,192.168.71.249:443
Session Affinity:    None
Events:              <none>

Name:                springboot-app
Namespace:           default
Labels:              app=springboot-app,k8s-app=springboot-app
Annotations:         <none>
Selector:            app=springboot-app
Type:                LoadBalancer
IP:                  10.100.39.105
LoadBalancer Ingress: a03888e7abe2f40f38d3eb690addc3d7-1059905175.ap-south-1.elb.amazonaws.com
Port:                http 80/TCP
TargetPort:          8085/TCP
NodePort:            http 31704/TCP
Endpoints:           192.168.10.208:8085,192.168.20.193:8085
Session Affinity:    None
External Traffic Policy: Cluster
Events:
  Type      Reason      Age    From          Message
  ----      -
  Normal    EnsuringLoadBalancer 22m    service-controller Ensuring load balancer
  Normal    EnsuredLoadBalancer 22m    service-controller Ensured load balancer
```

i-02bcac702e3973e52 (VM-EKS)

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11:19

28-09-2024

ap-south-1-console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

jenkins@jenkins:~\$ kubectl get pods -A

NAMESPACE	NAME	READY	STATUS	RESTARTS	AGE
default	springboot-app-ff9cf6cb-6ft5b	0/1	Pending	0	21m
default	springboot-app-ff9cf6cb-dxgn7	0/1	Pending	0	21m
default	springboot-app-ff9cf6cb-gzblr	1/1	Running	0	21m
default	springboot-app-ff9cf6cb-wvzgt	1/1	Running	0	21m
kube-system	aws-node-v257k	2/2	Running	0	98m
kube-system	aws-node-vff04	2/2	Running	0	97m
kube-system	coredns-6c5b85fbb-5v6d5	1/1	Running	0	101m
kube-system	coredns-6c5b85fbb-78nhf	1/1	Running	0	101m
kube-system	kube-proxy-ba74x	1/1	Running	0	98m
kube-system	kube-proxy-tcgl6	1/1	Running	0	97m

jenkins@jenkins:~\$

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

CloudShell Feedback

Type here to search

ap-south-1-console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

jenkins@jenkins:~\$ docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
public.ecr.aws/u016f6d9/javaapp	latest	76de68340868	6 minutes ago	285MB
public.ecr.aws/u016f6d9/javaapp	<none>	db578c5b29f6	21 minutes ago	285MB
public.ecr.aws/u016f6d9/springboot	latest	c08f80e6f00a3	40 hours ago	285MB
public.ecr.aws/u016f6d9/springboot	<none>	9788492c36b6	41 hours ago	285MB
public.ecr.aws/u016f6d9/springboot	<none>	37d9af2e3562	41 hours ago	285MB
public.ecr.aws/u016f6d9/springboot	<none>	86dbeaef08f3	41 hours ago	285MB
public.ecr.aws/u016f6d9/springboot	<none>	33736d5ec14a	41 hours ago	285MB
public.ecr.aws/u016f6d9/springboot	<none>	a9aa2f2c280b	41 hours ago	285MB
lolehns/baseimage-openjre	latest	7990e5390b8d	4 years ago	264MB

jenkins@jenkins:~\$ docker ps -a

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
--------------	-------	---------	---------	--------	-------	-------

jenkins@jenkins:~\$

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

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11:17 28-09-2024

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

EC2

```
jenkins@jenkins:~$ kubectl get svc
NAME                TYPE          CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
kubernetes           ClusterIP      10.100.0.1       <none>            443/TCP          102m
springboot-app       LoadBalancer  10.100.39.105    a03888e7abe2f40f38d3eb690addc3d7-1059905175.ap-south-1.elb.amazonaws.com  80:31704/TCP    17m
jenkins@jenkins:~$ kubectl get deploy
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
springboot-app       2/4     4             2           18m
jenkins@jenkins:~$ kubectl get deployment
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
springboot-app       2/4     4             2           18m
jenkins@jenkins:~$ kubectl get namespaces
NAME                STATUS   AGE
default              Active   103m
kube-node-lease      Active   103m
kube-public           Active   103m
kube-system           Active   103m
jenkins@jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

CloudShell Feedback

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ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

EC2

```
jenkins@jenkins:~$ kubectl get svc
NAME                TYPE          CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
kubernetes           ClusterIP      10.100.0.1       <none>            443/TCP          102m
springboot-app       LoadBalancer  10.100.39.105    a03888e7abe2f40f38d3eb690addc3d7-1059905175.ap-south-1.elb.amazonaws.com  80:31704/TCP    17m
jenkins@jenkins:~$ kubectl get deploy
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
springboot-app       2/4     4             2           18m
jenkins@jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

Browser tabs: EKS-CICD/arc/m..., Inbox (21,443) ·, Instances | EC2 |, JavaProject #5 C..., EC2 Instance Co..., Elastic Containe..., rm | IAM | Glob..., My Awesome S...

Address bar: ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&addressFamili...

AWS Services Search [Alt+S]

EC2

```
jenkins@jenkins:~$ kubectl get pods -o wide
```

NAME	READY	STATUS	RESTARTS	AGE	IP	NODE	NOMINATED NODE	READINESS GATE
springboot-app-ff9cfd6cb-6ft5b	0/1	Pending	0	16m	<none>	<none>	<none>	<none>
springboot-app-ff9cfd6cb-dxgn7	0/1	Pending	0	16m	<none>	<none>	<none>	<none>
springboot-app-ff9cfd6cb-gzblr	1/1	Running	0	16m	192.168.10.208	ip-192-168-30-111.ap-south-1.compute.internal	<none>	<none>
springboot-app-ff9cfd6cb-wvzgt	1/1	Running	0	16m	192.168.20.193	ip-192-168-30-111.ap-south-1.compute.internal	<none>	<none>

jenkins@jenkins:~\$

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

CloudShell Feedback

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Address

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Browser tabs: Add webhook ·, Inbox (21,443) ·, Instances | EC2 |, JavaProject Conf..., EC2 Instance Co..., Elastic Containe..., rm | IAM | Glob..., My Awesome S...

Address bar: github.com/Nidhyapandian/EKS-CICD/settings/hooks/new

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Environments

Codespaces

Pages

Security

Code security

Deploy keys

Secrets and variables

Integrations

GitHub Apps

Webhooks / Add webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

Payload URL *

http://13.233.212.87:8080/github-webhook

Content type *

application/json

Secret

SSL verification

By default, we verify SSL certificates when delivering payloads.

☒ Enable SSL verification ☐ Disable (not recommended)

Which events would you like to trigger this webhook?

☒ Just the push event.

☐ Send me everything.

☐ Let me select individual events.

Services

Search

[Alt+S]

EC2

jenkins@jenkins:~\$ kubectl get pods

NAME	READY	STATUS	RESTARTS	AGE
springboot-app-ff9cf6d6b-6ft5b	0/1	Pending	0	5m23s
springboot-app-ff9cf6d6b-dxgn7	0/1	Pending	0	5m23s
springboot-app-ff9cf6d6b-gzblr	1/1	Running	0	5m23s
springboot-app-ff9cf6d6b-wvzgt	1/1	Running	0	5m23s

jenkins@jenkins:~\$

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

CloudShell

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Address

Not secure a03888e7abe2f40f38d3eb690addc3d7-1059905175.ap-south-1.elb.amazonaws.com

My Awesome Spring Boot App Running on EKS Cluster

First Name:

Last Name:

Submit

Get All Customers!

ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address=...

Services Search [Alt+S] Mumbai Nidhya

EC2

```
jenkins@Jenkins:~$ kubectl get all
```

NAME	READY	STATUS	RESTARTS	AGE
pod/springboot-app-ff9cf6cb-6ft5b	0/1	Pending	0	2m27s
pod/springboot-app-ff9cf6cb-dxgn7	0/1	Pending	0	2m27s
pod/springboot-app-ff9cf6cb-gzblr	1/1	Running	0	2m27s
pod/springboot-app-ff9cf6cb-wvzgt	1/1	Running	0	2m27s

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
service/kubernetes	ClusterIP	10.100.0.1	<none>	443/TCP	87m
service/springboot-app	LoadBalancer	10.100.39.105	a03888e7abe2f40f38d3eb690addc3d7-1059905175.ap-south-1.elb.amazonaws.com	80:31704/TCP	2m28s

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
deployment.apps/springboot-app	2/4	4	2	2m28s

NAME	DESIRED	CURRENT	READY	AGE
replicaset.apps/springboot-app-ff9cf6cb	4	4	2	2m28s

```
jenkins@Jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)

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ap-south-1.console.aws.amazon.com/ecr/repositories/public/992382789479/javaapp?region=ap-south-1

Services Search [Alt+S] Mumbai Nidhya

EC2

Amazon Elastic Container Registry

- Private registry
 - Repositories
 - Features & Settings
- Public registry
 - Repositories
 - Images
 - Gallery detail
 - Permissions
 - Repository tags
 - Settings

ECR public gallery Amazon ECS Amazon EKS

Image scan overview, status, and full vulnerabilities has moved to the Image detail page. To access, click an image tag.

Amazon ECR > Public Registry > Repositories > javaapp

javaapp View public listing View push commands

Images (1) Search artifacts Delete Details

	Image tag	Artifact type	Pushed at	Size (MB)	Image URI	Digest
<input type="checkbox"/>	latest	Image	September 28, 2024, 10:56:20 (UTC+05.5)	129.79	Copy URI	sha256:14ee73993290d1...

The screenshot displays the Jenkins web interface for a job named "JavaProject > #4". The left sidebar contains navigation links: Status, Changes, Console Output (selected), Edit Build Information, Timings, Git Build Data, Pipeline Overview, Pipeline Console, Thread Dump, Pause/resume, Replay, Pipeline Steps, Workspaces, and Previous Build.

Console Output

```

Started by user Nidhya
Obtained Jenkinsfile-K8S from git https://github.com/Nidhyapandian/EKS-CICD.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/JavaProject
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/JavaProject/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Nidhyapandian/EKS-CICD.git # timeout=10
Fetching upstream changes from https://github.com/Nidhyapandian/EKS-CICD.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/Nidhyapandian/EKS-CICD.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 5a1bb661d8e43ede62023d1fcf8a9b85f3bb22b (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 5a1bb661d8e43ede62023d1fcf8a9b85f3bb22b # timeout=10
Commit message: "Update Jenkinsfile-K8S"

+ . . .
[Pipeline] envVarsForTool
[Pipeline] withEnv
[Pipeline] {
[Pipeline] script
[Pipeline] {
[Pipeline] sh
+ kubectl apply -f eks-deploy-k8s.yaml
deployment.apps/springboot-app created
service/springboot-app created
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
    
```

The bottom portion of the console output shows the continuation of the pipeline, including environment variable setup, script execution, shell commands for Kubernetes deployment, and the final success status.

ap-south-1-console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address...

Services Search [Alt+S] Mumbai Nidhya

EC2

```
- ap-south-1
command: aws
env:
  - name: AWS_STS_REGIONAL_ENDPOINTS
    value: regional
  provideClusterInfo: false
name: arn:aws:eks:ap-south-1:992382789479:cluster/javaproject
user:
  exec:
    apiVersion: client.authentication.k8s.io/v1alpha1
    args:
      - --region
      - ap-south-1
      - eks
      - get-token
      - --cluster-name
      - javaproject
    command: aws
jenkins@Jenkins:~$ kubectl get ns
NAME          STATUS   AGE
default       Active   42m
kube-node-lease Active   42m
kube-public   Active   42m
kube-system   Active   42m
jenkins@Jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)

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Type here to search Address 31°C 10:14 28-09-2024

ap-south-1-console.aws.amazon.com/ec2/home?region=ap-south-1#Instancesv=3;\$case=tag:true%5C,client:false;\$regex=tags:false%5C,client:false

Services Search [Alt+S] Mumbai Nidhya

Instances (1/3) Info

Last updated less than a minute ago

Find instance by attribute or tag (case-sensitive) All states

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/>	VM-EKS	i-02bcac702e3973e52	Running	t2.medium	2/2 checks p...	View alarms +	ap-south-1a
<input type="checkbox"/>	javaproject-ng-2818c901-Node	i-0dc799abd610f6724	Running	t2.micro	2/2 checks p...	View alarms +	ap-south-1a
<input type="checkbox"/>	javaproject-ng-2818c901-Node	i-098b6aa5f252cf5e6	Running	t2.micro	2/2 checks p...	View alarms +	ap-south-1b

i-02bcac702e3973e52 (VM-EKS)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-02bcac702e3973e52 (VM-EKS)	13.233.212.87 open address	172.31.35.62
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-13-233-212-87.ap-south-1.compute.amazonaws.com open address
Hostname type	Private IP DNS name (IPv4 only)	

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ap-south-1-console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address...

Services

Search

[Alt+S]

EC2

2024-09-28 04:12:05 [i] no tasks

2024-09-28 04:12:05 [✓] all EKS cluster resources for "javaproject" have been created

2024-09-28 04:12:05 [✓] created 0 nodegroup(s) in cluster "javaproject"

2024-09-28 04:12:05 [i] nodegroup "ng-2818c901" has 2 node(s)

2024-09-28 04:12:05 [i] node "ip-192-168-30-111.ap-south-1.compute.internal" is ready

2024-09-28 04:12:05 [i] node "ip-192-168-38-46.ap-south-1.compute.internal" is ready

2024-09-28 04:12:05 [i] waiting for at least 2 node(s) to become ready in "ng-2818c901"

2024-09-28 04:12:05 [i] nodegroup "ng-2818c901" has 2 node(s)

2024-09-28 04:12:05 [i] node "ip-192-168-30-111.ap-south-1.compute.internal" is ready

2024-09-28 04:12:05 [i] node "ip-192-168-38-46.ap-south-1.compute.internal" is ready

2024-09-28 04:12:05 [✓] created 1 managed nodegroup(s) in cluster "javaproject"

2024-09-28 04:12:05 [i] kubectl command should work with "/var/lib/jenkins/.kube/config", try 'kubectl get nodes'

2024-09-28 04:12:05 [✓] EKS cluster "javaproject" in "ap-south-1" region is ready

jenkins@Jenkins:~\$ kubectl get nodes

NAME STATUS ROLES AGE VERSION

ip-192-168-30-111.ap-south-1.compute.internal Ready <none> 8m v1.30.4-eks-a737599

ip-192-168-38-46.ap-south-1.compute.internal Ready <none> 8m19s v1.30.4-eks-a737599

jenkins@Jenkins:~\$ kubectl get pods

No resources found in default namespace.

jenkins@Jenkins:~\$ kubectl get all

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE

service/kubernetes ClusterIP 10.100.0.1 <none> 443/TCP 16m

jenkins@Jenkins:~\$ aws eks update-kubeconfig --name javaproject --region ap-south-1

Added new context arn:aws:eks:ap-south-1:992382789479:cluster/javaproject to /var/lib/jenkins/.kube/config

jenkins@Jenkins:~\$

i-02bcac702e3973e52 (VM-EKS)

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Address

ap-south-1-console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address...

Services

Search

[Alt+S]

EC2

2024-09-28 04:12:04 [i] waiting for the control plane to become ready

2024-09-28 04:12:05 [✓] saved kubeconfig as "/var/lib/jenkins/.kube/config"

2024-09-28 04:12:05 [i] no tasks

2024-09-28 04:12:05 [✓] all EKS cluster resources for "javaproject" have been created

2024-09-28 04:12:05 [✓] created 0 nodegroup(s) in cluster "javaproject"

2024-09-28 04:12:05 [i] nodegroup "ng-2818c901" has 2 node(s)

2024-09-28 04:12:05 [i] node "ip-192-168-30-111.ap-south-1.compute.internal" is ready

2024-09-28 04:12:05 [i] node "ip-192-168-38-46.ap-south-1.compute.internal" is ready

2024-09-28 04:12:05 [i] waiting for at least 2 node(s) to become ready in "ng-2818c901"

2024-09-28 04:12:05 [i] nodegroup "ng-2818c901" has 2 node(s)

2024-09-28 04:12:05 [i] node "ip-192-168-30-111.ap-south-1.compute.internal" is ready

2024-09-28 04:12:05 [i] node "ip-192-168-38-46.ap-south-1.compute.internal" is ready

2024-09-28 04:12:05 [✓] created 1 managed nodegroup(s) in cluster "javaproject"

2024-09-28 04:12:05 [i] kubectl command should work with "/var/lib/jenkins/.kube/config", try 'kubectl get nodes'

2024-09-28 04:12:05 [✓] EKS cluster "javaproject" in "ap-south-1" region is ready

jenkins@Jenkins:~\$ kubectl get nodes

NAME STATUS ROLES AGE VERSION

ip-192-168-30-111.ap-south-1.compute.internal Ready <none> 8m v1.30.4-eks-a737599

ip-192-168-38-46.ap-south-1.compute.internal Ready <none> 8m19s v1.30.4-eks-a737599

jenkins@Jenkins:~\$ kubectl get pods

No resources found in default namespace.

jenkins@Jenkins:~\$ kubectl get all

NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE

service/kubernetes ClusterIP 10.100.0.1 <none> 443/TCP 16m

jenkins@Jenkins:~\$

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

```
2024-09-28 04:06:11 [i] creating addon
2024-09-28 04:06:12 [i] successfully created addon
2024-09-28 04:08:12 [i] building managed nodegroup stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 04:08:12 [i] deploying stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 04:08:12 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 04:09:40 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 04:10:11 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 04:12:04 [i] waiting for the control plane to become ready
2024-09-28 04:12:05 [i] saved kubeconfig as "/var/lib/jenkins/.kube/config"
2024-09-28 04:12:05 [i] no tasks
2024-09-28 04:12:05 [i] all EKS cluster resources for "javaproject" have been created
2024-09-28 04:12:05 [i] created 0 nodegroup(s) in cluster "javaproject"
2024-09-28 04:12:05 [i] nodegroup "ng-2818c901" has 2 node(s)
2024-09-28 04:12:05 [i] node "ip-192-168-30-111.ap-south-1.compute.internal" is ready
2024-09-28 04:12:05 [i] node "ip-192-168-38-46.ap-south-1.compute.internal" is ready
2024-09-28 04:12:05 [i] waiting for at least 2 node(s) to become ready in "ng-2818c901"
2024-09-28 04:12:05 [i] nodegroup "ng-2818c901" has 2 node(s)
2024-09-28 04:12:05 [i] node "ip-192-168-30-111.ap-south-1.compute.internal" is ready
2024-09-28 04:12:05 [i] node "ip-192-168-38-46.ap-south-1.compute.internal" is ready
2024-09-28 04:12:05 [i] created 1 managed nodegroup(s) in cluster "javaproject"
2024-09-28 04:12:05 [i] kubectl command should work with "/var/lib/jenkins/.kube/config", try 'kubectl get nodes'
2024-09-28 04:12:05 [i] EKS cluster "javaproject" in "ap-south-1" region is ready
jenkins@Jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

```
2024-09-28 03:56:09 [i] deploying stack "eksctl-javaproject-cluster"
2024-09-28 03:56:39 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 03:57:09 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 03:58:09 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 03:59:09 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 04:00:09 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 04:01:09 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 04:02:09 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 04:03:09 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 04:04:09 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 04:05:09 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 04:06:09 [i] waiting for CloudFormation stack "eksctl-javaproject-cluster"
2024-09-28 04:06:10 [i] creating addon
2024-09-28 04:06:10 [i] successfully created addon
2024-09-28 04:06:11 [i] recommended policies were found for "vpc-cni" addon, but since OIDC is disabled on the cluster, eksctl cannot configure the requested permissions; the recommended way to provide IAM permissions for "vpc-cni" addon is via pod identity associations; after addon creation is completed, add all recommended policies to the config file, under 'addon.PodIdentityAssociations', and run 'eksctl update addon'
2024-09-28 04:06:11 [i] creating addon
2024-09-28 04:06:11 [i] successfully created addon
2024-09-28 04:06:12 [i] creating addon
2024-09-28 04:06:12 [i] successfully created addon
2024-09-28 04:08:12 [i] building managed nodegroup stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 04:08:12 [i] deploying stack "eksctl-javaproject-nodegroup-ng-2818c901"
2024-09-28 04:08:12 [i] waiting for CloudFormation stack "eksctl-javaproject-nodegroup-ng-2818c901"
```

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

Browser tabs: Nidhyapandian/EKS- x, Inbox (21,443) - nidi- x, Instances | EC2 | ap- x, Download progress- x, EC2 Instance Connect- x, Elastic Container Registry- x, IAM | Global x, +, -, x, x

Address bar: ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address=...

Services Search [Alt+S] Mumbai Nidhya

EC2

```
--ap-south-1 --cluster=javaProject'
2024-09-28 03:56:09 [i] default addons coreDNS, vpc-cni, kube-proxy were not specified, will install them as EKS addons
2024-09-28 03:56:09 [i]
2 sequential tasks: ( create cluster control plane "javaProject",
  2 sequential sub-tasks: (
    2 sequential sub-tasks: (
      1 task: ( create addons ),
      wait for control plane to become ready,
    ),
    create managed nodegroup "ng-2818c901",
  )
)
2024-09-28 03:56:09 [i] building cluster stack "eksctl-javaProject-cluster"
2024-09-28 03:56:09 [i] deploying stack "eksctl-javaProject-cluster"
2024-09-28 03:56:39 [i] waiting for CloudFormation stack "eksctl-javaProject-cluster"
2024-09-28 03:57:09 [i] waiting for CloudFormation stack "eksctl-javaProject-cluster"
2024-09-28 03:58:09 [i] waiting for CloudFormation stack "eksctl-javaProject-cluster"
2024-09-28 03:59:09 [i] waiting for CloudFormation stack "eksctl-javaProject-cluster"
2024-09-28 04:00:09 [i] waiting for CloudFormation stack "eksctl-javaProject-cluster"
2024-09-28 04:01:09 [i] waiting for CloudFormation stack "eksctl-javaProject-cluster"
2024-09-28 04:02:09 [i] waiting for CloudFormation stack "eksctl-javaProject-cluster"
2024-09-28 04:03:09 [i] waiting for CloudFormation stack "eksctl-javaProject-cluster"
2024-09-28 04:04:09 [i] waiting for CloudFormation stack "eksctl-javaProject-cluster"
2024-09-28 04:05:09 [i] waiting for CloudFormation stack "eksctl-javaProject-cluster"
```

i-02bcac702e3973e52 (VM-EKS)

PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

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Browser tabs: Nidhyapandian/EKS-CICD- x, Inbox (21,443) - nidhyapa- x, Instances | EC2 | ap-south- x, EC2 Instance Connect- x, Elastic Container Registry- x, IAM | Global x, +, -, x, x

Address bar: ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address=...

Services Search [Alt+S] Mumbai Nidhya

EC2

```
jenkins@jenkins:~$ eksctl create cluster --name javaProject --region ap-south-1 --node-type t2.micro
2024-09-28 03:56:08 [i] eksctl version 0.190.0
2024-09-28 03:56:08 [i] using region ap-south-1
2024-09-28 03:56:08 [i] skipping ap-south-1c from selection because it doesn't support the following instance type(s): t2.micro
2024-09-28 03:56:09 [i] setting availability zones to [ap-south-1a ap-south-1b]
2024-09-28 03:56:09 [i] subnets for ap-south-1a - public:192.168.0.0/19 private:192.168.64.0/19
2024-09-28 03:56:09 [i] subnets for ap-south-1b - public:192.168.32.0/19 private:192.168.96.0/19
2024-09-28 03:56:09 [i] nodegroup "ng-2818c901" will use "" [AmazonLinux2/1.30]
2024-09-28 03:56:09 [i] using Kubernetes version 1.30
2024-09-28 03:56:09 [i] creating EKS cluster "javaProject" in "ap-south-1" region with managed nodes
2024-09-28 03:56:09 [i] will create 2 separate CloudFormation stacks for cluster itself and the initial managed nodegroup
2024-09-28 03:56:09 [i] if you encounter any issues, check CloudFormation console or try 'eksctl utils describe-stacks --region=ap-south-1 --cluster
javaProject'
2024-09-28 03:56:09 [i] Kubernetes API endpoint access will use default of (publicAccess=true, privateAccess=false) for cluster "javaProject" in "ap
-south-1"
2024-09-28 03:56:09 [i] CloudWatch logging will not be enabled for cluster "javaProject" in "ap-south-1"
2024-09-28 03:56:09 [i] you can enable it with 'eksctl utils update-cluster-logging --enable-types={SPECIFY-YOUR-LOG-TYPES-HERE (e.g. all)} --region
ap-south-1 --cluster=javaProject'
2024-09-28 03:56:09 [i] default addons coreDNS, vpc-cni, kube-proxy were not specified, will install them as EKS addons
2024-09-28 03:56:09 [i]
2 sequential tasks: ( create cluster control plane "javaProject",
  2 sequential sub-tasks: (
    2 sequential sub-tasks: (
      1 task: ( create addons ),
      wait for control plane to become ready,
```

i-02bcac702e3973e52 (VM-EKS)

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```
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address...

AWS
Services Search [Alt+S] Mumbai Nidhya

EC2

ubuntu@ip-172-31-35-62:~$ aws configure
AWS Access Key ID [*****BTXY]: AKIA6ODU7U5TQ6XXBTXY
AWS Secret Access Key [*****Efff]: 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
Default region name [ap-south-1]: ap-south-1
Default output format [json]: json
ubuntu@ip-172-31-35-62:~$ sudo su - jenkins
jenkins@jenkins:~$ aws configure
AWS Access Key ID [*****BTXY]: AKIA6ODU7U5TQ6XXBTXY
AWS Secret Access Key [*****Efff]: 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
Default region name [ap-south-1]: ap-south-1
Default output format [json]: json
jenkins@jenkins:~$ whoami
jenkins
jenkins@jenkins:~$ pwd
/var/lib/jenkins
jenkins@jenkins:~$
```

i-02bcac702e3973e52 (VM-EKS)
PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

```
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ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address...

AWS
Services Search [Alt+S] Mumbai Nidhya

EC2

ubuntu@ip-172-31-35-62:~$ kubectl version
Client Version: version.Info{Major:"1", Minor:"19+", GitVersion:"v1.19.6-eks-49a6c0", GitCommit:"49a6c0bf091506e7bafcd8b1b142351b69363355a", GitTreeState:"clean", BuildDate:"2020-12-23T22:13:28Z", GoVersion:"go1.15.5", Compiler:"gc", Platform:"linux/amd64"}
Error from server (Forbidden): <html><head><meta http-equiv='refresh' content='1;url=/login?from=%2Fversion%3Ftimeout%3D32s'><script id='redirect' data-redirect-url='/login?from=%2Fversion%3Ftimeout%3D32s' src='/static/706e427b/scripts/redirect.js'></script></head><body style='background-color:white; color:white;'>
Authentication required
<!--
-->
</body></html>
ubuntu@ip-172-31-35-62:~$ kubectl version --short --client
Client Version: v1.19.6-eks-49a6c0
ubuntu@ip-172-31-35-62:~$ eksctl version
0.190.0
ubuntu@ip-172-31-35-62:~$
```

i-02bcac702e3973e52 (VM-EKS)
PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

Browser tabs: Nidhyapandian/EKS, Inbox (21,443) - nidh..., Instances | EC2 | ap-sou..., EC2 Instance Connect, Elastic Container Registry, Home | EC2 | ap-sou..., yasminjeelani

Address bar: ap-south-1.console.aws.amazon.com/ecr/public-registry/repositories?region=ap-south-1

Navigation: Services, Search, [Alt+S], Mumbai, Nidhya

Amazon Elastic Container Registry

- Private registry
 - Repositories
 - Features & Settings
- Public registry
 - Repositories**
 - Settings

ECR public gallery, Amazon ECS, Amazon EKS, Getting started, Documentation

Public repositories

Repositories (1) [Refresh] View push commands Delete Actions **Create repository**

Filter status

	Repository name	URI	Created at
<input type="radio"/>	javaapp	public.ecr.aws/u0l6f6d9/javaapp	September 28, 2024, 08:42:54 (UTC+05.5)

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Browser tabs: Nidhyapandian/EKS-CICD, Inbox (21,443) - nidhyapa..., Instances | EC2 | ap-south..., EC2 Instance Connect, Elastic Container Registry, Home | EC2 | ap-south-1

Address bar: ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-02bcac702e3973e52&osUser=ubuntu&sshPort=22&address...

Navigation: Services, Search, [Alt+S], Mumbai, Nidhya

```
ubuntu@ip-172-31-35-62:~$ java --version
openjdk 17.0.12 2024-07-16
OpenJDK Runtime Environment (build 17.0.12+7-Ubuntu-lubuntu222.04)
OpenJDK 64-Bit Server VM (build 17.0.12+7-Ubuntu-lubuntu222.04, mixed mode, sharing)
ubuntu@ip-172-31-35-62:~$ jenkins --version
2.462.2
ubuntu@ip-172-31-35-62:~$ mvn --version
Apache Maven 3.6.3
Maven home: /usr/share/maven
Java version: 17.0.12, vendor: Ubuntu, runtime: /usr/lib/jvm/java-17-openjdk-amd64
Default locale: en, platform encoding: UTF-8
OS name: "linux", version: "6.8.0-1015-aws", arch: "amd64", family: "unix"
ubuntu@ip-172-31-35-62:~$ docker --version
Docker version 24.0.7, build 24.0.7-0ubuntu2~22.04.1
ubuntu@ip-172-31-35-62:~$
```

i-02bcac702e3973e52 (VM-EKS)
PublicIPs: 13.233.212.87 PrivateIPs: 172.31.35.62

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