us-west-1.console.aws.amazon.com/eks/home?region=us-west-1#/clusters

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Clusters (2) Info

Delete   **Add cluster ▾**

🔍 Filter clusters

< 1 >

	Cluster name ▲	Status ▽	Kubernetes version ▽	Support period ▽	Support type ▽	Created ▽	P
○	abhi-eks-FUbgSxHI	⊘ Active	1.27 Upgrade now	ⓘ Extended support until July 24, 2025	Extended support	3 hours ago	El
○	abhi-eks-mtzwlapx	⊘ Active	1.27 Upgrade now	ⓘ Extended support until July 24, 2025	Extended support	2 hours ago	El

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abhi-eks-FUbgSxHI

[↻] [Delete cluster] [Upgrade version]

ⓘ End of extended support for Kubernetes version (1.27) is July 24, 2025. If you don't upgrade your cluster to a later version before that date, it will be automatically upgraded to Kubernetes version 1.28.

[Upgrade now]

▼ **Cluster info** Info

Status	Kubernetes version Info	Support period	Provider
⊘ Active	1.27	ⓘ Extended support until July 24, 2025	EKS

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Details

API server endpoint

🗐 https://5701E6DFE77E35D40F6955465F8EA465.gr7.us-west-1.eks.amazonaws.com

Certificate authority

OpenID Connect provider URL

🗐 https://oidc.eks.us-west-1.amazonaws.com/id/5701E6DFE77E35D40F6955465F8EA465

Cluster IAM role ARN

🗐 arn:aws:iam::937452760167:role/abhi-eks-FUb

Created

🗐 3 hours ago

Cluster ARN

🗐 arn:aws:eks:us-west-1:937452760167:cluster/a

🔍 Search | ENG IN   00:15 25-07-2024

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Nodes (2) Info

Filter Nodes by property or value   ‹ 1 ›

Node name	▲	Instance type	▽	Node group	▽	Created	▽	Status	▽
ip-10-0-1-70.us-west-1.compute.internal		t3.medium		node_group-20240724153117839300000012		Created ⧉ 3 hours ago		⊘ Ready	
ip-10-0-2-35.us-west-1.compute.internal		t3.medium		node_group-20240724153117839300000012		Created ⧉ 3 hours ago		⊘ Ready	

Node groups (1) Info   Edit   Delete   Add node group

	Group name	▲	Desired size	▽	AMI release version	▽	Launch template	▽	Statu
○	node_group-20240724153117839300000012		2		1.27.12-20240703		node_group-20240724153117202600000010 (1)		⊘ Ac

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| Overview | Resources | Compute | Networking | Add-ons | **Access** | Observability | Upgrade insights | Update history | Tags |

Access configuration

Manage access

Authentication mode
EKS API and ConfigMap

IAM access entries (2) Info

View details   **Delete**   **Create access entry**

🔍 Find access entry by property filtering   ⟨ 1 ⟩

	IAM principal ARN	Type	Username	Group names	Access policies
○	arn:aws:iam::937452760167:user/surya-sahoo	Standard	surya	-	AmazonEKSClusterAdminPolicy
○	arn:aws:iam::937452760167:role/node_group-eks-node-group-20240724152236622400000000a	EC2 Linux	system:node: {{EC2PrivateDNSName}}	system:nodes	-

---

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```
Command Prompt                                                    —  □  ✕

C:\Users\SURYA\Dropbox\My PC (LAPTOP-OL8M876H)\Documents\DevOps\terraform-eks-main>

C:\Users\SURYA\Dropbox\My PC (LAPTOP-OL8M876H)\Documents\DevOps\terraform-eks-main>aws configure
AWS Access Key ID [****************SMWA]: AKIA5UREJ5RTSV2B4LWS
AWS Secret Access Key [****************AyYx]: 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
Default region name [eu-central-1]:
Default output format [table]:

C:\Users\SURYA\Dropbox\My PC (LAPTOP-OL8M876H)\Documents\DevOps\terraform-eks-main>terraform init
Initializing the backend...
Initializing modules...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Reusing previous version of hashicorp/local from the dependency lock file
- Reusing previous version of hashicorp/null from the dependency lock file
- Reusing previous version of hashicorp/cloudinit from the dependency lock file
- Reusing previous version of hashicorp/random from the dependency lock file
- Reusing previous version of hashicorp/time from the dependency lock file
- Reusing previous version of hashicorp/tls from the dependency lock file
- Reusing previous version of hashicorp/kubernetes from the dependency lock file
- Using previously-installed hashicorp/local v2.1.0
- Using previously-installed hashicorp/null v3.1.1
- Using previously-installed hashicorp/cloudinit v2.2.0
- Using previously-installed hashicorp/random v3.1.3
- Using previously-installed hashicorp/time v0.12.0
- Using previously-installed hashicorp/tls v4.0.5
- Using previously-installed hashicorp/kubernetes v2.31.0
- Using previously-installed hashicorp/aws v5.59.0

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see
any changes that are required for your infrastructure. All Terraform commands
should now work.

If you ever set or change modules or backend configuration for Terraform,
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.

C:\Users\SURYA\Dropbox\My PC (LAPTOP-OL8M876H)\Documents\DevOps\terraform-eks-main>terraform plan
```

```
    + arn                             = (known after apply)
    + bypass_policy_lockout_safety_check = false
    + customer_master_key_spec        = "SYMMETRIC_DEFAULT"
    + description                      = (known after apply)
    + enable_key_rotation             = true
    + id                              = (known after apply)
    + is_enabled                      = true
    + key_id                          = (known after apply)
    + key_usage                       = "ENCRYPT_DECRYPT"
    + multi_region                    = false
    + policy                          = (known after apply)
    + rotation_period_in_days         = (known after apply)
    + tags                            = {
        + "cluster"             = "demo"
        + "terraform-aws-modules" = "eks"
      }
    + tags_all                        = {
        + "cluster"             = "demo"
        + "terraform-aws-modules" = "eks"
      }
  }

  # module.eks.module.eks_managed_node_group["node_group"].module.user_data.null_resource.validate_cluster_service_cidr will be created
  + resource "null_resource" "validate_cluster_service_cidr" {
      + id = (known after apply)
    }

Plan: 55 to add, 0 to change, 0 to destroy.

Changes to Outputs:
  + cluster_endpoint          = (known after apply)
  + cluster_id                = (known after apply)
  + cluster_security_group_id = (known after apply)
  + oidc_provider_arn         = (known after apply)
  + region                    = "us-west-1"

_____


Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if
you run "terraform apply" now.
```

```
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [50s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [1m0s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [1m10s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [1m20s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [1m30s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [1m40s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [1m50s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [2m0s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [2m10s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [2m20s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [2m30s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [2m40s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Still creating... [2m50s elapsed]
module.eks.module.eks_managed_node_group["node_group"].aws_eks_node_group.this[0]: Creation complete after 2m52s [id=abhi-eks-mtzwIapx:node_group-2024072417
2034047000000012]

Apply complete! Resources: 55 added, 0 changed, 0 destroyed.

Outputs:

cluster_endpoint = "https://FDFFA2937EEE7916204959207238B98B.gr7.us-west-1.eks.amazonaws.com"
cluster_security_group_id = "sg-0d6905d9413e718d3"
oidc_provider_arn = "arn:aws:iam::937452760167:oidc-provider/oidc.eks.us-west-1.amazonaws.com/id/FDFFA2937EEE7916204959207238B98B"
region = "us-west-1"

C:\Users\SURYA\Dropbox\My PC (LAPTOP-OL8M876H)\Documents\DevOps\terraform-eks-main>aws eks update-kubeconfig --name abhi-eks-FUbgSxHI --region

usage: aws [options] <command> <subcommand> [<subcommand> ...] [parameters]
To see help text, you can run:

  aws help
  aws <command> help
  aws <command> <subcommand> help

aws: error: argument --region: expected one argument


C:\Users\SURYA\Dropbox\My PC (LAPTOP-OL8M876H)\Documents\DevOps\terraform-eks-main>aws eks update-kubeconfig --name abhi-eks-FUbgSxHI --region us-west-1
Added new context arn:aws:eks:us-west-1:937452760167:cluster/abhi-eks-FUbgSxHI to C:\Users\SURYA\.kube\config


C:\Users\SURYA\Dropbox\My PC (LAPTOP-OL8M876H)\Documents\DevOps\terraform-eks-main>
```

github.com/ProgrammerSurya/terraform2024

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