

```
jees-macbook:zone1 jeesantony$ terraform apply
data.aws_caller_identity.current: Reading...
data.aws_ami.amazon_linux_2: Reading...
module.vpc.aws_vpc.this: Refreshing state...
[id=vpc-053709b140b8e11ad]
module.project_rds_p.aws_rds_cluster_parameter_group.cluste
r_pg: Refreshing state... [id=udacity-pg-p]
module.vpc.aws_eip.nat[0]: Refreshing state...
[id=eipalloc-058f7bbec478db58a]
module.project_rds_s.aws_rds_cluster_parameter_group.cluste
r_pg-s: Refreshing state... [id=udacity-pg-s]
module.vpc_west.aws_eip.nat[0]: Refreshing state...
[id=eipalloc-0efbb8efc197aadee]
module.vpc_west.aws_vpc.this: Refreshing state...
[id=vpc-099aea294f35d1a58]
data.aws_caller_identity.current: Read complete after 1s
[id=810716384126]
data.aws_ami.amazon_linux_2: Read complete after 2s
[id=ami-0bc75de602edc8f79]
module.vpc.aws_route_table.private[2]: Refreshing state...
[id=rtb-0aef3876e25349b58]
module.vpc.aws_subnet.private[0]: Refreshing state...
[id=subnet-0e54459cb463ffab1]
module.vpc.aws_route_table.private[1]: Refreshing state...
[id=rtb-02dd434dab1b10118]
module.vpc.aws_route_table.private[0]: Refreshing state...
[id=rtb-005ebe65294da4619]
module.vpc.aws_subnet.private[2]: Refreshing state...
[id=subnet-01a3c2ea1a6caebb9]
module.vpc.aws_subnet.public[0]: Refreshing state...
[id=subnet-0f1cc1eed05a66a33]
module.vpc.aws_subnet.private[1]: Refreshing state...
```

[id=subnet-052f3718c483c2550]  
module.vpc.aws\_route\_table.public[0]: Refreshing state...  
[id=rtb-025af0c1ed4bb30e7]  
module.vpc.aws\_subnet.public[1]: Refreshing state...  
[id=subnet-0fa2102da4022c580]  
module.vpc.aws\_subnet.public[2]: Refreshing state...  
[id=subnet-07ca8a68c6d929652]  
module.vpc.aws\_internet\_gateway.this[0]: Refreshing state...  
[id=igw-080421f1087bc11fb]  
module.vpc\_west.aws\_route\_table.public[0]: Refreshing state...  
[id=rtb-03bde5a0843602c34]  
module.vpc\_west.aws\_internet\_gateway.this[0]: Refreshing  
state... [id=igw-069551330176ca83f]  
module.vpc\_west.aws\_route\_table.private[1]: Refreshing state...  
[id=rtb-0de88d1cd12eb24ae]  
module.vpc\_west.aws\_route\_table.private[0]: Refreshing state...  
[id=rtb-0002cc7bee5ba3571]  
module.vpc\_west.aws\_subnet.public[0]: Refreshing state...  
[id=subnet-0b372db6494eb3995]  
module.vpc\_west.aws\_subnet.public[1]: Refreshing state...  
[id=subnet-024b92ccfef86b705]  
module.vpc\_west.aws\_subnet.private[1]: Refreshing state...  
[id=subnet-07e48fcbaa301e007]  
module.vpc\_west.aws\_subnet.private[0]: Refreshing state...  
[id=subnet-0ed8114a8eb572da0]  
module.project\_rds\_p.aws\_security\_group.db\_sg\_1: Refreshing  
state... [id=sg-0e4ebea236f7b05eb]  
module.project\_alb.aws\_lb\_target\_group.udacity: Refreshing  
state...  
[id=arn:aws:elasticloadbalancing:us-east-2:810716384126:targe  
tgroup/udacity-lb-tg/a2e1d0e1b8f00115]  
module.project\_ec2.aws\_security\_group.ec2\_sg: Refreshing

state... [id=sg-0eef01a0ec97962f4]  
module.vpc\_west.aws\_route.public\_internet\_gateway[0]:  
Refreshing state... [id=r-rtb-03bde5a0843602c341080289494]  
module.vpc\_west.aws\_route.public\_internet\_gateway[1]:  
Refreshing state... [id=r-rtb-03bde5a0843602c341080289494]  
module.vpc.aws\_route\_table\_association.private[1]: Refreshing  
state... [id=rtbassoc-097ca689a7f1dead9]  
module.vpc.aws\_route\_table\_association.private[2]: Refreshing  
state... [id=rtbassoc-0f441edb313d8b510]  
module.vpc.aws\_route\_table\_association.private[0]: Refreshing  
state... [id=rtbassoc-0905e823eef7fc0be]  
module.vpc.aws\_route.public\_internet\_gateway[0]: Refreshing  
state... [id=r-rtb-025af0c1ed4bb30e71080289494]  
module.vpc.aws\_route.public\_internet\_gateway[1]: Refreshing  
state... [id=r-rtb-025af0c1ed4bb30e71080289494]  
module.vpc.aws\_route.public\_internet\_gateway[2]: Refreshing  
state... [id=r-rtb-025af0c1ed4bb30e71080289494]  
module.vpc.aws\_nat\_gateway.this[0]: Refreshing state...  
[id=nat-06cf53d083bf95052]  
module.project\_rds\_s.aws\_security\_group.db\_sg\_2: Refreshing  
state... [id=sg-0c4d30af793abe4e8]  
module.vpc.aws\_route\_table\_association.public[1]: Refreshing  
state... [id=rtbassoc-0a8af9de1f7317bc3]  
module.vpc.aws\_route\_table\_association.public[0]: Refreshing  
state... [id=rtbassoc-0281cb81704153201]  
module.vpc.aws\_route\_table\_association.public[2]: Refreshing  
state... [id=rtbassoc-0658ebdde2b8cd181]  
module.vpc\_west.aws\_nat\_gateway.this[0]: Refreshing state...  
[id=nat-0d4227cb01e496f0d]  
module.vpc\_west.aws\_route\_table\_association.public[0]:  
Refreshing state... [id=rtbassoc-07d05f3f7e4c384c3]  
module.project\_rds\_p.aws\_db\_subnet\_group.udacity\_db\_subne

t\_group: Refreshing state... [id=udacity\_db\_subnet\_group]  
module.vpc\_west.aws\_route\_table\_association.public[1]:  
Refreshing state... [id=rtbassoc-088e3ee7961d5554f]  
module.project\_ec2.aws\_instance.ubuntu[1]: Refreshing state...  
[id=i-08423b8400384bc00]  
module.project\_ec2.aws\_instance.ubuntu[2]: Refreshing state...  
[id=i-03661362707e43848]  
module.vpc\_west.aws\_route\_table\_association.private[0]:  
Refreshing state... [id=rtbassoc-0b00f2f0f835663ca]  
module.project\_ec2.aws\_instance.ubuntu[0]: Refreshing state...  
[id=i-0020c6a799fc8ad2a]  
module.vpc\_west.aws\_route\_table\_association.private[1]:  
Refreshing state... [id=rtbassoc-04f1d0a1f0382c168]  
module.vpc.aws\_route.private\_nat\_gateway[0]: Refreshing  
state... [id=r-rtb-005ebe65294da46191080289494]  
module.vpc.aws\_route.private\_nat\_gateway[1]: Refreshing  
state... [id=r-rtb-02dd434dab1b101181080289494]  
module.vpc.aws\_route.private\_nat\_gateway[2]: Refreshing  
state... [id=r-rtb-0aef3876e25349b581080289494]  
module.project\_alb.aws\_lb.udacity: Refreshing state...  
[id=arn:aws:elasticloadbalancing:us-east-2:810716384126:loadb  
alancer/app/udacity-lb-tf/16a78825d7a1f17b]  
module.vpc\_west.aws\_route.private\_nat\_gateway[1]:  
Refreshing state... [id=r-rtb-0de88d1cd12eb24ae1080289494]  
module.vpc\_west.aws\_route.private\_nat\_gateway[0]:  
Refreshing state... [id=r-rtb-0002cc7bee5ba35711080289494]  
module.project\_rds\_s.aws\_db\_subnet\_group.udacity\_db\_subne  
t\_group: Refreshing state... [id=udacity\_db\_subnet\_group]  
module.project\_eks.data.aws\_iam\_policy\_document.eks\_assum  
e\_role\_policy: Reading...  
module.project\_eks.data.aws\_iam\_policy\_document.eks\_assum  
e\_role\_policy: Read complete after 0s [id=3552664922]

module.project\_eks.data.aws\_iam\_policy\_document.eks\_node\_assume\_role\_policy: Reading...

module.project\_eks.data.aws\_iam\_policy\_document.eks\_node\_assume\_role\_policy: Read complete after 0s [id=2851119427]

module.project\_eks.aws\_security\_group.eks-cluster: Refreshing state... [id=sg-057ab8ac50102dda6]

module.project\_rds\_p.aws\_rds\_cluster.udacity\_cluster: Refreshing state... [id=udacity-db-cluster]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Refreshing state... [id=udacity-db-instance-0]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Refreshing state... [id=udacity-db-instance-1]

module.project\_alb.aws\_lb\_listener.udacity: Refreshing state... [id=arn:aws:elasticloadbalancing:us-east-2:810716384126:listener/app/udacity-lb-tf/16a78825d7a1f17b/3fdd3351dc7dca3f]

module.project\_rds\_s.aws\_rds\_cluster.udacity\_cluster-s: Refreshing state... [id=udacity-db-cluster-s]

module.project\_rds\_s.aws\_rds\_cluster\_instance.udacity\_instance-s[1]: Refreshing state... [id=udacity-db-instance-1-s]

module.project\_rds\_s.aws\_rds\_cluster\_instance.udacity\_instance-s[0]: Refreshing state... [id=udacity-db-instance-0-s]

module.project\_alb.aws\_lb\_target\_group\_attachment.udacity[1]: Refreshing state... [id=arn:aws:elasticloadbalancing:us-east-2:810716384126:targetgroup/udacity-lb-tg/a2e1d0e1b8f00115-20231219052745159200000006]

module.project\_alb.aws\_lb\_target\_group\_attachment.udacity[0]: Refreshing state... [id=arn:aws:elasticloadbalancing:us-east-2:810716384126:targetgroup/udacity-lb-tg/a2e1d0e1b8f00115-20231219052744748900000005]

Terraform used the selected providers to generate the following

execution plan. Resource actions are indicated with the following symbols:

- + create
- ~ update in-place
- /+ destroy and then create replacement
- <= read (data resources)

Terraform will perform the following actions:

# **data.aws\_eks\_cluster.cluster** will be read during apply

# (config refers to values not yet known)

```
<= data "aws_eks_cluster" "cluster" {
  + arn                = (known after apply)
  + certificate_authority = (known after apply)
  + cluster_id         = (known after apply)
  + created_at          = (known after apply)
  + enabled_cluster_log_types = (known after apply)
  + endpoint            = (known after apply)
  + id                  = (known after apply)
  + identity            = (known after apply)
  + kubernetes_network_config = (known after apply)
  + name                = (known after apply)
  + outpost_config      = (known after apply)
  + platform_version    = (known after apply)
  + role_arn            = (known after apply)
  + status              = (known after apply)
  + tags                = (known after apply)
  + version              = (known after apply)
  + vpc_config          = (known after apply)
}
```

# **data.aws\_eks\_cluster\_auth.cluster** will be read during apply

# (config refers to values not yet known)

```
<= data "aws_eks_cluster_auth" "cluster" {
  + id = (known after apply)
```

```

+ name = (known after apply)
+ token = (sensitive value)
}
# kubernetes_namespace.udacity will be created
+ resource "kubernetes_namespace" "udacity" {
+ id = (known after apply)
+ wait_for_default_service_account = false
+ metadata {
+ generation = (known after apply)
+ name = "udacity"
+ resource_version = (known after apply)
+ uid = (known after apply)
+ }
}
# kubernetes_service.grafana-external will be created
+ resource "kubernetes_service" "grafana-external" {
+ id = (known after apply)
+ status = (known after apply)
+ wait_for_load_balancer = true
+ metadata {
+ annotations = {
+
"service.beta.kubernetes.io/aws-load-balancer-nlb-target-type" =
"ip"
+ "service.beta.kubernetes.io/aws-load-balancer-type"
= "nlb"
+ }
+ generation = (known after apply)
+ name = "grafana-external"
+ namespace = "monitoring"
+ resource_version = (known after apply)
+ uid = (known after apply)

```

```

    }
+ spec {
  + allocate_load_balancer_node_ports = true
  + cluster_ip                        = (known after apply)
  + cluster_ips                      = (known after apply)
  + external_traffic_policy          = (known after apply)
  + health_check_node_port           = (known after apply)
  + internal_traffic_policy           = (known after apply)
  + ip_families                     = (known after apply)
  + ip_family_policy                 = (known after apply)
  + publish_not_ready_addresses      = false
  + selector                        = {
    + "app.kubernetes.io/name" = "grafana"
  }
  + session_affinity                = "None"
  + type                            = "LoadBalancer"
  + port {
    + node_port = (known after apply)
    + port      = 80
    + protocol  = "TCP"
    + target_port = "3000"
  }
}
}

```

# **module.project\_eks.aws\_eks\_cluster.cluster** will be created

```

+ resource "aws_eks_cluster" "cluster" {
  + arn                = (known after apply)
  + certificate_authority = (known after apply)
  + cluster_id         = (known after apply)
  + created_at         = (known after apply)
  + endpoint           = (known after apply)
  + id                 = (known after apply)

```



```

+ identity          = (known after apply)
+ name              = "udacity-cluster"
+ platform_version  = (known after apply)
+ role_arn          = (known after apply)
+ status            = (known after apply)
+ tags_all          = {
  + "Name"           = "udacity"
  + "Terraform"      = "true"
}
+ version           = "1.28"
+ vpc_config {
  + cluster_security_group_id = (known after apply)
  + endpoint_private_access   = false
  + endpoint_public_access    = true
  + public_access_cidrs       = (known after apply)
  + security_group_ids        = [
    + "sg-057ab8ac50102dda6",
  ]
  + subnet_ids                = [
    + "subnet-01a3c2ea1a6caebb9",
    + "subnet-052f3718c483c2550",
    + "subnet-0e54459cb463ffab1",
  ]
  + vpc_id                    = (known after apply)
}
}

```

**# module.project\_eks.aws\_eks\_node\_group.node** will be created

```

+ resource "aws_eks_node_group" "node" {
  + ami_type          = (known after apply)
  + arn                = (known after apply)
  + capacity_type      = (known after apply)

```

```
+ cluster_name      = "udacity-cluster"
+ disk_size         = (known after apply)
+ id                = (known after apply)
+ instance_types    = [
  + "t3.medium",
]
+ node_group_name    = "app-udacity-node-group"
+ node_group_name_prefix = (known after apply)
+ node_role_arn      = (known after apply)
+ release_version    = (known after apply)
+ resources          = (known after apply)
+ status             = (known after apply)
+ subnet_ids         = [
  + "subnet-01a3c2ea1a6caebb9",
  + "subnet-052f3718c483c2550",
  + "subnet-0e54459cb463ffab1",
]
+ tags               = {
  + "Name" = "eks-udacity-nodes"
}
+ tags_all           = {
  + "Name"      = "eks-udacity-nodes"
  + "Terraform" = "true"
}
+ version            = (known after apply)
+ scaling_config {
  + desired_size = 2
  + max_size     = 2
  + min_size     = 2
}
}
#
```

**module.project\_eks.aws\_iam\_policy.eks\_cluster\_role\_cloudwatch\_policy** will be created

```
+ resource "aws_iam_policy"
"eks_cluster_role_cloudwatch_policy" {
  + arn          = (known after apply)
  + description = "Policy allowing cloudwatch access to udacity
resources."
  + id          = (known after apply)
  + name        = "app-udacity-eks-cluster-role-cloudwatch-policy"
  + name_prefix = (known after apply)
  + path        = "/"
  + policy      = jsonencode(
    {
      + Statement = [
        + {
          + Action = [
            + "cloudwatch:*",
            + "logs:DescribeLogGroups",
            + "logs:DescribeLogStreams",
            + "logs:CreateLogGroup",
            + "logs:CreateLogStream",
            + "logs:PutLogEvents",
          ]
          + Effect = "Allow"
          + Resource = "*"
        },
      ]
      + Version = "2012-10-17"
    }
  )
  + policy_id = (known after apply)
  + tags_all  = {
```

```

+ "Name"      = "udacity"
+ "Terraform" = "true"
}
}
#

```

**module.project\_eks.aws\_iam\_policy.eks\_node\_instance\_policy**  
will be created

```

+ resource "aws_iam_policy" "eks_node_instance_policy" {
+   arn          = (known after apply)
+   description = "Policy allowing access to udacity resources."
+   id          = (known after apply)
+   name        = "app-udacity-instance-policy"
+   name_prefix = (known after apply)
+   path        = "/"
+   policy      = jsonencode(
    {
      + Statement = [
        + {
          + Action   = "s3:*"
          + Effect   = "Allow"
          + Resource = [
            + "arn:aws:s3:::*\"",
            + "arn:aws:s3:::*/\"",
            + "arn:aws:s3:*:*:job/*",
          ]
        },
        + {
          + Action = [
            + "logs:CreateLogGroup",
            + "logs:CreateLogStream",
            + "logs:PutLogEvents",
          ]

```

```
+ Effect = "Allow"
+ Resource = [
    + "arn:aws:logs:*:*:log-group:*",
    + "arn:aws:logs:*:*:log-group:*:*:*",
]
},
+ {
    + Action = [
        + "ecr:BatchCheckLayerAvailability",
        + "ecr:BatchGetImage",
        + "ecr:DescribeImages",
        + "ecr:DescribeRepositories",
        + "ecr:GetAuthorizationToken",
        + "ecr:GetDownloadUrlForLayer",
        + "ecr:GetRepositoryPolicy",
        + "ecr:ListImages",
    ]
    + Effect = "Allow"
    + Resource = "*"
},
+ {
    + Action = [
        + "sqs:ReceiveMessage",
        + "sqs:SendMessage",
        + "sqs:SendMessageBatch",
        + "sqs:DeleteMessage",
        + "sqs:DeleteMessageBatch",
        + "sqs:ChangeMessageVisibility",
        + "sqs:ChangeMessageVisibilityBatch",
    ]
    + Effect = "Allow"
    + Resource = [
```

```

        + "*",
    ]
    },
    + {
        + Action   = "eks:DescribeCluster"
        + Effect    = "Allow"
        + Resource  = "*"
    },
    ]
    + Version = "2012-10-17"
}
)
+ policy_id = (known after apply)
+ tags_all = {
    + "Name"      = "udacity"
    + "Terraform" = "true"
}
}

```

# **module.project\_eks.aws\_iam\_role.eks\_cluster\_role** will be created

```

+ resource "aws_iam_role" "eks_cluster_role" {
    + arn = (known after apply)
    + assume_role_policy = jsonencode(
        {
            + Statement = [
                + {
                    + Action   = "sts:AssumeRole"
                    + Effect    = "Allow"
                    + Principal = {
                        + Service = "eks.amazonaws.com"
                    }
                }
            ],
        },
    )
}

```

```

    ]
    + Version = "2012-10-17"
  }
)
+ create_date      = (known after apply)
+ force_detach_policies = false
+ id               = (known after apply)
+ managed_policy_arns = (known after apply)
+ max_session_duration = 3600
+ name             = "app-udacity-eks-cluster-role"
+ name_prefix      = (known after apply)
+ path             = "/"
+ tags_all         = {
  + "Name"      = "udacity"
  + "Terraform" = "true"
}
+ unique_id       = (known after apply)
}

```

# **module.project\_eks.aws\_iam\_role.eks\_node\_cluster\_role** will be created

```

+ resource "aws_iam_role" "eks_node_cluster_role" {
  + arn          = (known after apply)
  + assume_role_policy = jsonencode(
    {
      + Statement = [
        + {
          + Action   = "sts:AssumeRole"
          + Effect    = "Allow"
          + Principal = {
            + Service = "ec2.amazonaws.com"
          }
        }
      ],
    },
  )
}

```

```

    ]
    + Version = "2012-10-17"
  }
)
+ create_date      = (known after apply)
+ force_detach_policies = false
+ id               = (known after apply)
+ managed_policy_arns = (known after apply)
+ max_session_duration = 3600
+ name             = "app-udacity-eks-node-role"
+ name_prefix      = (known after apply)
+ path             = "/"
+ tags_all         = {
  + "Name"      = "udacity"
  + "Terraform" = "true"
}
+ unique_id       = (known after apply)
}
#
module.project_eks.aws_iam_role_policy_attachment.cluster_A
mazonEKSCloudwatchPolicy will be created
+ resource "aws_iam_role_policy_attachment"
"cluster_AmazonEKSCloudwatchPolicy" {
  + id      = (known after apply)
  + policy_arn = (known after apply)
  + role     = "app-udacity-eks-node-role"
}
#
module.project_eks.aws_iam_role_policy_attachment.cluster_A
mazonEKSClusterPolicy will be created
+ resource "aws_iam_role_policy_attachment"
"cluster_AmazonEKSClusterPolicy" {

```



```

+ id      = (known after apply)
+ policy_arn =
"arn:aws:iam::aws:policy/AmazonEKSClusterPolicy"
+ role     = "app-udacity-eks-cluster-role"
}
#
module.project_eks.aws_iam_role_policy_attachment.cluster_A
amazonEKSServicePolicy will be created
+ resource "aws_iam_role_policy_attachment"
"cluster_AmazonEKSServicePolicy" {
+ id      = (known after apply)
+ policy_arn =
"arn:aws:iam::aws:policy/AmazonEKSServicePolicy"
+ role     = "app-udacity-eks-cluster-role"
}
#
module.project_eks.aws_iam_role_policy_attachment.node_Am
amazonEC2ContainerRegistryReadOnly will be created
+ resource "aws_iam_role_policy_attachment"
"node_AmazonEC2ContainerRegistryReadOnly" {
+ id      = (known after apply)
+ policy_arn =
"arn:aws:iam::aws:policy/AmazonEC2ContainerRegistryReadOnly"
+ role     = "app-udacity-eks-node-role"
}
#
module.project_eks.aws_iam_role_policy_attachment.node_Am
amazonEKSEKSWorkerNodePolicy will be created
+ resource "aws_iam_role_policy_attachment"
"node_AmazonEKSEKSWorkerNodePolicy" {
+ id      = (known after apply)

```

```

    + policy_arn =
"arn:aws:iam::aws:policy/AmazonEKSWorkerNodePolicy"
    + role      = "app-udacity-eks-node-role"
  }
#
module.project_eks.aws_iam_role_policy_attachment.node_AmazonEKS_CNI_Policy will be created
  + resource "aws_iam_role_policy_attachment"
"node_AmazonEKS_CNI_Policy" {
    + id      = (known after apply)
    + policy_arn =
"arn:aws:iam::aws:policy/AmazonEKS_CNI_Policy"
    + role    = "app-udacity-eks-node-role"
  }
#
module.project_eks.aws_iam_role_policy_attachment.node_CloudWatchAgentServerPolicy will be created
  + resource "aws_iam_role_policy_attachment"
"node_CloudWatchAgentServerPolicy" {
    + id      = (known after apply)
    + policy_arn =
"arn:aws:iam::aws:policy/CloudWatchAgentServerPolicy"
    + role    = "app-udacity-eks-node-role"
  }
#
module.project_eks.aws_iam_role_policy_attachment.node_harmony_policy_attachment will be created
  + resource "aws_iam_role_policy_attachment"
"node_harmony_policy_attachment" {
    + id      = (known after apply)
    + policy_arn = (known after apply)
    + role    = "app-udacity-eks-node-role"
  }

```

```

}
# module.project_rds_p.aws_rds_cluster.udacity_cluster must
be replaced
-/+ resource "aws_rds_cluster" "udacity_cluster" {
    ~ allocated_storage          = 1 -> (known after apply)
    + apply_immediately          = (known after apply)
    ~ arn                        =
"arn:aws:rds:us-east-2:810716384126:cluster:udacity-db-cluster" ->
(known after apply)
    ~ availability_zones        = [ # forces replacement
      - "us-east-2c",
        # (2 unchanged elements hidden)
    ]
    - backtrack_window          = 0 -> null
    + cluster_identifier_prefix  = (known after apply)
    ~ cluster_members           = [
      - "udacity-db-instance-0",
      - "udacity-db-instance-1",
    ] -> (known after apply)
    ~ cluster_resource_id       =
"cluster-SXW42LW5THKZJ3IQEKBE3QQJWM" -> (known after
apply)
    + db_system_id              = (known after apply)
    - deletion_protection       = false -> null
    - enabled_cloudwatch_logs_exports = [] -> null
    ~ endpoint                  =
"udacity-db-cluster.cluster-c7ynrb7gzpbc.us-east-2.rds.amazonaws.
com" -> (known after apply)
    ~ engine_version_actual     = "5.7.mysql_aurora.2.07.9"
-> (known after apply)
    ~ hosted_zone_id            = "Z2XHWR1WZ565X2" ->
(known after apply)

```

```

- iam_database_authentication_enabled = false -> null
~ iam_roles                          = [] -> (known after apply)
~ id                                 = "udacity-db-cluster" -> (known after
apply)
- iops                              = 0 -> null
+ kms_key_id                        = (known after apply)
~ master_user_secret                = [] -> (known after apply)
+ master_user_secret_kms_key_id     = (known after apply)
~ network_type                      = "IPV4" -> (known after apply)
~ port                              = 3306 -> (known after apply)
~ preferred_backup_window            = "08:47-09:17" -> (known
after apply)
~ preferred_maintenance_window      =
"mon:09:28-mon:09:58" -> (known after apply)
~ reader_endpoint                    =
"udacity-db-cluster.cluster-ro-c7ynrb7gzpbc.us-east-2.rds.amazona
ws.com" -> (known after apply)
+ storage_type                      = (known after apply)
- tags                              = {} -> null
# (18 unchanged attributes hidden)
}
#
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0] must be replaced
-/+ resource "aws_rds_cluster_instance" "udacity_instance" {
+ apply_immediately                = (known after apply)
~ arn                              =
"arn:aws:rds:us-east-2:810716384126:db:udacity-db-instance-0" ->
(known after apply)
~ availability_zone                 = "us-east-2a" -> (known after
apply)
~ ca_cert_identifier                = "rds-ca-2019" -> (known after

```

```

apply)
  ~ cluster_identifier          = "udacity-db-cluster" # forces
replacement -> (known after apply) # forces replacement
  ~ db_parameter_group_name    =
"default.aurora-mysql5.7" -> (known after apply)
  ~ dbi_resource_id            =
"db-4D474ZTF7TZ2CX2EHBBOAOKXPM" -> (known after
apply)
  ~ endpoint                    =
"udacity-db-instance-0.c7ynrb7gzpbc.us-east-2.rds.amazonaws.com
" -> (known after apply)
  ~ engine_version              = "5.7.mysql_aurora.2.07.9" ->
(known after apply)
  ~ engine_version_actual       = "5.7.mysql_aurora.2.07.9"
-> (known after apply)
  ~ id                          = "udacity-db-instance-0" -> (known
after apply)
  + identifier_prefix           = (known after apply)
  + kms_key_id                  = (known after apply)
  + monitoring_role_arn         = (known after apply)
  ~ network_type                = "IPV4" -> (known after
apply)
  ~ performance_insights_enabled = false -> (known after
apply)
  + performance_insights_kms_key_id = (known after apply)
  ~ performance_insights_retention_period = 0 -> (known after
apply)
  ~ port                        = 3306 -> (known after apply)
  ~ preferred_backup_window      = "08:47-09:17" ->
(known after apply)
  ~ preferred_maintenance_window =
"mon:07:26-mon:07:56" -> (known after apply)

```

```

~ publicly_accessible          = false -> (known after apply)
~ storage_encrypted            = false -> (known after apply)
- tags                         = {} -> null
~ writer                       = false -> (known after apply)
  # (9 unchanged attributes hidden)
}
#
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1] must be replaced
-/+ resource "aws_rds_cluster_instance" "udacity_instance" {
  + apply_immediately          = (known after apply)
  ~ arn                       =
"arn:aws:rds:us-east-2:810716384126:db:udacity-db-instance-1" ->
(known after apply)
  ~ availability_zone          = "us-east-2c" -> (known after
apply)
  ~ ca_cert_identifier         = "rds-ca-2019" -> (known after
apply)
  ~ cluster_identifier         = "udacity-db-cluster" # forces
replacement -> (known after apply) # forces replacement
  ~ db_parameter_group_name    =
"default.aurora-mysql5.7" -> (known after apply)
  ~ dbi_resource_id           =
"db-HQSV2I4FTV5HHMFCUJL7VZGMCA" -> (known after
apply)
  ~ endpoint                   =
"udacity-db-instance-1.c7ynrb7gzpbc.us-east-2.rds.amazonaws.com
" -> (known after apply)
  ~ engine_version             = "5.7.mysql_aurora.2.07.9" ->
(known after apply)
  ~ engine_version_actual      = "5.7.mysql_aurora.2.07.9"
-> (known after apply)

```

```

    ~ id = "udacity-db-instance-1" -> (known
after apply)
    + identifier_prefix = (known after apply)
    + kms_key_id = (known after apply)
    + monitoring_role_arn = (known after apply)
    ~ network_type = "IPV4" -> (known after
apply)
    ~ performance_insights_enabled = false -> (known after
apply)
    + performance_insights_kms_key_id = (known after apply)
    ~ performance_insights_retention_period = 0 -> (known after
apply)
    ~ port = 3306 -> (known after apply)
    ~ preferred_backup_window = "08:47-09:17" ->
(known after apply)
    ~ preferred_maintenance_window =
"sun:10:20-sun:10:50" -> (known after apply)
    ~ publicly_accessible = false -> (known after apply)
    ~ storage_encrypted = false -> (known after apply)
    - tags = {} -> null
    ~ writer = true -> (known after apply)
    # (9 unchanged attributes hidden)
}
# module.project_rds_s.aws_rds_cluster.udacity_cluster-s will
be updated in-place
    ~ resource "aws_rds_cluster" "udacity_cluster-s" {
        id = "udacity-db-cluster-s"
        ~ replication_source_identifier =
"arn:aws:rds:us-east-2:810716384126:cluster:udacity-db-cluster" ->
(known after apply)
        tags = {}
        # (38 unchanged attributes hidden)

```

```
}
```

**Plan:** 19 to add, 1 to change, 3 to destroy.

### **Warning: Reference to undefined provider**

on main.tf line 41, in module "vpc\_west":

```
41:   aws = aws.usw1
```

There is no explicit declaration for local provider name "aws" in module.vpc\_west, so Terraform is

assuming you mean to pass a configuration for "hashicorp/aws".

If you also control the child module, add a required\_providers entry named "aws" with the source

address "hashicorp/aws".

(and one more similar warning elsewhere)

### **Warning: Argument is deprecated**

with module.vpc\_west.aws\_eip.nat,

on modules/vpc/routes.tf line 54, in resource "aws\_eip" "nat":

```
54:   vpc = true
```

use domain attribute instead

(and 3 more similar warnings elsewhere)

### **Do you want to perform these actions?**

Terraform will perform the actions described above.

Only 'yes' will be accepted to approve.



```
Enter a value: yes
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Destroying... [id=udacity-db-instance-1]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Destroying... [id=udacity-db-instance-0]
module.project_eks.aws_iam_policy.eks_cluster_role_cloudwatch_policy: Creating...
module.project_eks.aws_iam_policy.eks_node_instance_policy: Creating...
module.project_eks.aws_iam_role.eks_cluster_role: Creating...
module.project_eks.aws_iam_role.eks_node_cluster_role: Creating...
module.project_eks.aws_iam_policy.eks_node_instance_policy: Creation complete after 2s
[id=arn:aws:iam::810716384126:policy/app-udacity-instance-policy]
module.project_eks.aws_iam_policy.eks_cluster_role_cloudwatch_policy: Creation complete after 2s
[id=arn:aws:iam::810716384126:policy/app-udacity-eks-cluster-role-cloudwatch-policy]
module.project_eks.aws_iam_role.eks_node_cluster_role: Creation complete after 3s [id=app-udacity-eks-node-role]
module.project_eks.aws_iam_role_policy_attachment.node_AmazonEKS_CNI_Policy: Creating...
module.project_eks.aws_iam_role_policy_attachment.node_CloudWatchAgentServerPolicy: Creating...
module.project_eks.aws_iam_role_policy_attachment.node_AmazonEC2ContainerRegistryReadOnly: Creating...
module.project_eks.aws_iam_role_policy_attachment.node_harmony_policy_attachment: Creating...
module.project_eks.aws_iam_role_policy_attachment.cluster_AmazonEKSCloudwatchPolicy: Creating...
```

module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_AmazonEKSServicePolicy: Creating...

module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_AmazonEKSWorkerNodePolicy: Creating...

module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_AmazonEKSClusterPolicy: Creating...

module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_AmazonEKSServicePolicy: Creating...

module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_harmony\_policy\_attachment: Creation complete after 1s [id=app-udacity-eks-node-role-20231219061655992600000002]

module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_CloudWatchAgentServerPolicy: Creation complete after 1s [id=app-udacity-eks-node-role-20231219061656033900000003]

module.project\_eks.aws\_iam\_role\_policy\_attachment.cluster\_AmazonEKSClusterPolicy: Creation complete after 1s [id=app-udacity-eks-node-role-20231219061656303700000005]

module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_AmazonEKSServicePolicy: Creation complete after 1s [id=app-udacity-eks-node-role-20231219061656317300000006]

module.project\_eks.aws\_iam\_role\_policy\_attachment.cluster\_AmazonEKSClusterPolicy: Creation complete after 1s [id=app-udacity-eks-cluster-role-20231219061656387700000008]

module.project\_eks.aws\_iam\_role\_policy\_attachment.cluster\_AmazonEKSServicePolicy: Creation complete after 1s [id=app-udacity-eks-cluster-role-20231219061656363000000007]

module.project\_eks.aws\_eks\_cluster.cluster: Creating...

module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_AmazonEC2ContainerRegistryReadOnly: Creation complete after 1s

[id=app-udacity-eks-node-role-202312190616559919000000001]  
module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_AmazonEKS\_CNI\_Policy: Creation complete after 1s  
[id=app-udacity-eks-node-role-202312190616560420000000004]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 10s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating... [10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 20s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating... [20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 30s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating... [30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 40s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating... [40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 50s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating... [50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m0s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating... [1m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m10s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating... [1m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m20s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating... [1m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m30s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[1m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m40s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[1m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m50s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[1m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m0s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[2m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m10s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[2m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m20s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[2m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m30s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[2m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m40s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[2m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m50s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[2m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 3m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 3m0s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[3m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 3m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 3m10s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[3m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 3m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 3m20s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[3m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 3m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 3m30s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[3m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 3m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 3m40s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[3m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 3m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 3m50s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[3m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m0s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[4m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m10s elapsed]



module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[4m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m20s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[4m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m30s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[4m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m40s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[4m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m50s elapsed]

```
module.project_eks.aws_eks_cluster.cluster: Still creating...  
[4m50s elapsed]  
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m0s elapsed]  
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m0s elapsed]  
module.project_eks.aws_eks_cluster.cluster: Still creating...  
[5m0s elapsed]  
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m10s elapsed]  
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m10s elapsed]  
module.project_eks.aws_eks_cluster.cluster: Still creating...  
[5m10s elapsed]  
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m20s elapsed]  
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m20s elapsed]  
module.project_eks.aws_eks_cluster.cluster: Still creating...  
[5m20s elapsed]  
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m30s elapsed]  
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m30s elapsed]
```

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[5m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m40s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[5m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m50s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[5m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 6m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 6m0s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[6m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 6m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 6m10s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[6m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 6m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 6m20s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[6m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 6m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 6m30s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[6m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 6m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 6m40s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[6m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 6m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 6m50s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[6m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 7m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 7m0s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[7m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 7m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 7m10s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[7m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Destruction complete after 7m19s

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 7m20s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[7m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 7m30s elapsed]

module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[7m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 7m40s

elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[7m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 7m50s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[7m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 8m0s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[8m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 8m10s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[8m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 8m20s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[8m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 8m30s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating...  
[8m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 8m40s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating...

[8m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 8m50s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Still creating... [8m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m0s elapsed]  
module.project\_eks.aws\_eks\_cluster.cluster: Creation complete after 8m58s [id=udacity-cluster]  
data.aws\_eks\_cluster\_auth.cluster: Reading...  
module.project\_eks.aws\_eks\_node\_group.node: Creating...  
data.aws\_eks\_cluster.cluster: Reading...  
data.aws\_eks\_cluster\_auth.cluster: Read complete after 0s [id=udacity-cluster]  
data.aws\_eks\_cluster.cluster: Read complete after 0s [id=udacity-cluster]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m10s elapsed]  
module.project\_eks.aws\_eks\_node\_group.node: Still creating... [10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m20s elapsed]  
module.project\_eks.aws\_eks\_node\_group.node: Still creating... [20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m30s elapsed]  
module.project\_eks.aws\_eks\_node\_group.node: Still creating...

[30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m40s elapsed]  
module.project\_eks.aws\_eks\_node\_group.node: Still creating... [40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m50s elapsed]  
module.project\_eks.aws\_eks\_node\_group.node: Still creating... [50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m0s elapsed]  
module.project\_eks.aws\_eks\_node\_group.node: Still creating... [1m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m10s elapsed]  
module.project\_eks.aws\_eks\_node\_group.node: Still creating... [1m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m20s elapsed]  
module.project\_eks.aws\_eks\_node\_group.node: Still creating... [1m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m30s elapsed]  
module.project\_eks.aws\_eks\_node\_group.node: Still creating... [1m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance



ce[0]: Still destroying... [id=udacity-db-instance-0, 10m40s elapsed]

module.project\_eks.aws\_eks\_node\_group.node: Still creating... [1m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m50s elapsed]

module.project\_eks.aws\_eks\_node\_group.node: Still creating... [1m50s elapsed]

module.project\_eks.aws\_eks\_node\_group.node: Creation complete after 1m50s [id=udacity-cluster:app-udacity-node-group]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m0s elapsed]

kubernetes\_namespace.udacity: Creating...

kubernetes\_service.grafana-external: Creating...

kubernetes\_namespace.udacity: Creation complete after 3s [id=udacity]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance

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ce[0]: Still destroying... [id=udacity-db-instance-0, 11m50s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 12m0s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Destruction complete after 12m2s
module.project_rds_p.aws_rds_cluster.udacity_cluster:
Destroying... [id=udacity-db-cluster]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
destroying... [id=udacity-db-cluster, 10s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
destroying... [id=udacity-db-cluster, 20s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
destroying... [id=udacity-db-cluster, 30s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
destroying... [id=udacity-db-cluster, 40s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
destroying... [id=udacity-db-cluster, 50s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
destroying... [id=udacity-db-cluster, 1m0s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
destroying... [id=udacity-db-cluster, 1m10s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster:
Destruction complete after 1m13s
module.project_rds_p.aws_rds_cluster.udacity_cluster:
Creating...
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
creating... [10s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
creating... [20s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
```

creating... [30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster.udacity\_cluster: Still  
creating... [40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster.udacity\_cluster: Still  
creating... [50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster.udacity\_cluster: Still  
creating... [1m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster.udacity\_cluster:  
Creation complete after 1m4s [id=udacity-db-cluster]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[0]: Creating...  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[1]: Creating...  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[1]: Still creating... [10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[0]: Still creating... [10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[1]: Still creating... [20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[0]: Still creating... [20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[0]: Still creating... [30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[1]: Still creating... [30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[0]: Still creating... [40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[1]: Still creating... [40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[0]: Still creating... [50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan

ce[1]: Still creating... [50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [1m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [1m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [1m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [1m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [1m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [1m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [1m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [1m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [1m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [1m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [1m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [1m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance

ce[1]: Still creating... [2m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [3m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [3m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [3m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [3m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [3m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [3m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [3m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance

ce[1]: Still creating... [3m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [3m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [3m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [3m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [3m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [4m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [4m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [4m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [4m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [4m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [4m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [4m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [4m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [4m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [4m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [4m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance

ce[1]: Still creating... [4m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance

ce[0]: Still creating... [6m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [7m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [7m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [7m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [7m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [7m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [7m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [7m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance



```
ce[0]: Still creating... [7m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [7m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [7m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [7m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [7m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [8m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [8m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [8m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [8m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [8m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Creation complete after 8m44s
[id=udacity-db-instance-1]
```

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [8m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [9m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [9m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [9m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [9m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [9m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [9m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [10m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [10m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [10m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [10m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [10m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [10m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [11m1s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [11m11s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [11m21s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [11m31s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [11m41s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [11m51s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [12m1s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [12m11s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [12m21s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [12m31s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [12m41s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [12m51s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [13m1s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [13m11s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [13m21s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [13m31s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [13m41s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [13m51s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [14m1s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [14m11s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [14m21s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [14m31s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [14m41s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [14m51s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [15m1s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [15m11s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [15m21s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [15m31s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [15m41s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [15m51s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [16m1s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [16m11s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [16m21s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [16m31s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Creation complete after 16m36s

```
[id=udacity-db-instance-0]
```

```
Error: namespaces "monitoring" not found
```

```
    with kubernetes_service.grafana-external,  
    on project.tf line 10, in resource "kubernetes_service"  
"grafana-external":  
    10: resource "kubernetes_service" "grafana-external" {
```

```
jees-macbook:zone1 jeesantony$ aws eks --region us-east-2  
update-kubeconfig --name udacity-cluster  
Updated context  
arn:aws:eks:us-east-2:810716384126:cluster/udacity-cluster in  
/Users/jeesantony/.kube/config
```

```
jees-macbook:zone1 jeesantony$ kubectl config use-context  
arn:aws:eks:us-east-2:810716384126:cluster/udacity-cluster  
Switched to context
```

```
"arn:aws:eks:us-east-2:810716384126:cluster/udacity-cluster".
```

```
jees-macbook:zone1 jeesantony$ kubectl create namespace  
monitoring
```

```
namespace/monitoring created
```

```
jees-macbook:zone1 jeesantony$ terraform apply
```

```
data.aws_caller_identity.current: Reading...
```

```
data.aws_ami.amazon_linux_2: Reading...
```

```
module.vpc.aws_eip.nat[0]: Refreshing state...
```

```
[id=eipalloc-058f7bbee478db58a]
```

```
module.vpc.aws_vpc.this: Refreshing state...
```

```
[id=vpc-053709b140b8e11ad]
```

```
module.project_rds_p.aws_rds_cluster_parameter_group.cluste  
r_pg: Refreshing state... [id=udacity-pg-p]
```

```
data.aws_caller_identity.current: Read complete after 0s
```

[id=810716384126]  
module.vpc\_west.aws\_vpc.this: Refreshing state...  
[id=vpc-099aea294f35d1a58]  
module.vpc\_west.aws\_eip.nat[0]: Refreshing state...  
[id=eipalloc-0efbb8efc197aadee]  
module.project\_rds\_s.aws\_rds\_cluster\_parameter\_group.cluste  
r\_pg-s: Refreshing state... [id=udacity-pg-s]  
data.aws\_ami.amazon\_linux\_2: Read complete after 1s  
[id=ami-0bc75de602edc8f79]  
module.vpc.aws\_subnet.public[0]: Refreshing state...  
[id=subnet-0f1cc1eed05a66a33]  
module.vpc.aws\_subnet.public[2]: Refreshing state...  
[id=subnet-07ca8a68c6d929652]  
module.vpc.aws\_route\_table.public[0]: Refreshing state...  
[id=rtb-025af0c1ed4bb30e7]  
module.vpc.aws\_subnet.public[1]: Refreshing state...  
[id=subnet-0fa2102da4022c580]  
module.vpc.aws\_route\_table.private[1]: Refreshing state...  
[id=rtb-02dd434dab1b10118]  
module.vpc.aws\_route\_table.private[2]: Refreshing state...  
[id=rtb-0aef3876e25349b58]  
module.vpc.aws\_route\_table.private[0]: Refreshing state...  
[id=rtb-005ebe65294da4619]  
module.vpc.aws\_internet\_gateway.this[0]: Refreshing state...  
[id=igw-080421f1087bc11fb]  
module.vpc.aws\_subnet.private[0]: Refreshing state...  
[id=subnet-0e54459cb463ffab1]  
module.vpc.aws\_subnet.private[1]: Refreshing state...  
[id=subnet-052f3718c483c2550]  
module.vpc.aws\_subnet.private[2]: Refreshing state...  
[id=subnet-01a3c2ea1a6caebb9]  
module.project\_rds\_p.aws\_security\_group.db\_sg\_1: Refreshing

state... [id=sg-0e4e4bea236f7b05eb]  
module.project\_alb.aws\_lb\_target\_group.udacity: Refreshing  
state...  
[id=arn:aws:elasticloadbalancing:us-east-2:810716384126:targetgroup/udacity-lb-tg/a2e1d0e1b8f00115]  
module.project\_ec2.aws\_security\_group.ec2\_sg: Refreshing  
state... [id=sg-0eef01a0ec97962f4]  
module.vpc.aws\_route\_table\_association.public[2]: Refreshing  
state... [id=rtbassoc-0658ebdde2b8cd181]  
module.vpc.aws\_route\_table\_association.public[1]: Refreshing  
state... [id=rtbassoc-0a8af9de1f7317bc3]  
module.vpc.aws\_route\_table\_association.public[0]: Refreshing  
state... [id=rtbassoc-0281cb81704153201]  
module.vpc.aws\_route.public\_internet\_gateway[0]: Refreshing  
state... [id=r-rtb-025af0c1ed4bb30e71080289494]  
module.vpc.aws\_route.public\_internet\_gateway[1]: Refreshing  
state... [id=r-rtb-025af0c1ed4bb30e71080289494]  
module.vpc.aws\_route.public\_internet\_gateway[2]: Refreshing  
state... [id=r-rtb-025af0c1ed4bb30e71080289494]  
module.vpc.aws\_nat\_gateway.this[0]: Refreshing state...  
[id=nat-06cf53d083bf95052]  
module.vpc.aws\_route\_table\_association.private[2]: Refreshing  
state... [id=rtbassoc-0f441edb313d8b510]  
module.vpc.aws\_route\_table\_association.private[1]: Refreshing  
state... [id=rtbassoc-097ca689a7f1dead9]  
module.vpc.aws\_route\_table\_association.private[0]: Refreshing  
state... [id=rtbassoc-0905e823eef7fc0be]  
module.project\_ec2.aws\_instance.ubuntu[1]: Refreshing state...  
[id=i-08423b8400384bc00]  
module.project\_ec2.aws\_instance.ubuntu[2]: Refreshing state...  
[id=i-03661362707e43848]  
module.project\_ec2.aws\_instance.ubuntu[0]: Refreshing state...

[id=i-0020c6a799fc8ad2a]  
module.project\_rds\_p.aws\_db\_subnet\_group.udacity\_db\_subne  
t\_group: Refreshing state... [id=udacity\_db\_subnet\_group]  
module.vpc.aws\_route.private\_nat\_gateway[2]: Refreshing  
state... [id=r-rtb-0aef3876e25349b581080289494]  
module.vpc.aws\_route.private\_nat\_gateway[0]: Refreshing  
state... [id=r-rtb-005ebe65294da46191080289494]  
module.vpc.aws\_route.private\_nat\_gateway[1]: Refreshing  
state... [id=r-rtb-02dd434dab1b101181080289494]  
module.project\_alb.aws\_lb.udacity: Refreshing state...  
[id=arn:aws:elasticloadbalancing:us-east-2:810716384126:loadb  
alancer/app/udacity-lb-tf/16a78825d7a1f17b]  
module.project\_eks.data.aws\_iam\_policy\_document.eks\_node\_  
assume\_role\_policy: Reading...  
module.project\_eks.data.aws\_iam\_policy\_document.eks\_assum  
e\_role\_policy: Reading...  
module.project\_eks.aws\_iam\_policy.eks\_cluster\_role\_cloudwatc  
h\_policy: Refreshing state...  
[id=arn:aws:iam::810716384126:policy/app-udacity-eks-cluster-  
role-cloudwatch-policy]  
module.project\_eks.data.aws\_iam\_policy\_document.eks\_assum  
e\_role\_policy: Read complete after 0s [id=3552664922]  
module.project\_eks.data.aws\_iam\_policy\_document.eks\_node\_  
assume\_role\_policy: Read complete after 0s [id=2851119427]  
module.project\_eks.aws\_iam\_policy.eks\_node\_instance\_policy:  
Refreshing state...  
[id=arn:aws:iam::810716384126:policy/app-udacity-instance-po  
licy]  
module.project\_eks.aws\_security\_group.eks-cluster: Refreshing  
state... [id=sg-057ab8ac50102dda6]  
module.project\_eks.aws\_iam\_role.eks\_cluster\_role: Refreshing  
state... [id=app-udacity-eks-cluster-role]



module.project\_eks.aws\_iam\_role.eks\_node\_cluster\_role:  
Refreshing state... [id=app-udacity-eks-node-role]  
module.vpc\_west.aws\_route\_table.private[0]: Refreshing state...  
[id=rtb-0002cc7bee5ba3571]  
module.vpc\_west.aws\_route\_table.private[1]: Refreshing state...  
[id=rtb-0de88d1cd12eb24ae]  
module.vpc\_west.aws\_internet\_gateway.this[0]: Refreshing  
state... [id=igw-069551330176ca83f]  
module.vpc\_west.aws\_subnet.private[0]: Refreshing state...  
[id=subnet-0ed8114a8eb572da0]  
module.vpc\_west.aws\_subnet.private[1]: Refreshing state...  
[id=subnet-07e48fcbaa301e007]  
module.vpc\_west.aws\_route\_table.public[0]: Refreshing state...  
[id=rtb-03bde5a0843602c34]  
module.vpc\_west.aws\_subnet.public[1]: Refreshing state...  
[id=subnet-024b92ccfef86b705]  
module.vpc\_west.aws\_subnet.public[0]: Refreshing state...  
[id=subnet-0b372db6494eb3995]  
module.project\_rds\_p.aws\_rds\_cluster.udacity\_cluster:  
Refreshing state... [id=udacity-db-cluster]  
module.project\_alb.aws\_lb\_listener.udacity: Refreshing state...  
[id=arn:aws:elasticloadbalancing:us-east-2:810716384126:listen  
er/app/udacity-lb-tf/16a78825d7a1f17b/3fdd3351dc7dca3f]  
module.project\_eks.aws\_iam\_role\_policy\_attachment.cluster\_A  
mazonEKSServicePolicy: Refreshing state...  
[id=app-udacity-eks-cluster-role-20231219061656387700000008  
]  
module.project\_eks.aws\_iam\_role\_policy\_attachment.cluster\_A  
mazonEKSClusterPolicy: Refreshing state...  
[id=app-udacity-eks-cluster-role-20231219061656363000000007  
]  
module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_Am

amazonEKS\_CNI\_Policy: Refreshing state...  
[id=app-udacity-eks-node-role-20231219061656042000000004]  
module.project\_rds\_s.aws\_security\_group.db\_sg\_2: Refreshing  
state... [id=sg-0c4d30af793abe4e8]  
module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_Am  
azonEKSWorkerNodePolicy: Refreshing state...  
[id=app-udacity-eks-node-role-202312190616563173000000006]  
module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_har  
mony\_policy\_attachment: Refreshing state...  
[id=app-udacity-eks-node-role-202312190616559926000000002]  
module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_Am  
azonEC2ContainerRegistryReadOnly: Refreshing state...  
[id=app-udacity-eks-node-role-202312190616559919000000001]  
module.project\_eks.aws\_iam\_role\_policy\_attachment.cluster\_A  
mazonEKSCloudwatchPolicy: Refreshing state...  
[id=app-udacity-eks-node-role-202312190616563037000000005]  
module.project\_eks.aws\_iam\_role\_policy\_attachment.node\_Clo  
udWatchAgentServerPolicy: Refreshing state...  
[id=app-udacity-eks-node-role-202312190616560339000000003]  
module.vpc\_west.aws\_route\_table\_association.private[0]:  
Refreshing state... [id=rtbassoc-0b00f2f0f835663ca]  
module.vpc\_west.aws\_route\_table\_association.private[1]:  
Refreshing state... [id=rtbassoc-04f1d0a1f0382c168]  
module.vpc\_west.aws\_route.public\_internet\_gateway[0]:  
Refreshing state... [id=r-rtb-03bde5a0843602c341080289494]  
module.vpc\_west.aws\_route.public\_internet\_gateway[1]:  
Refreshing state... [id=r-rtb-03bde5a0843602c341080289494]  
module.project\_eks.aws\_eks\_cluster.cluster: Refreshing state...  
[id=udacity-cluster]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan  
ce[1]: Refreshing state... [id=udacity-db-instance-1]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instan

ce[0]: Refreshing state... [id=udacity-db-instance-0]  
module.vpc\_west.aws\_route\_table\_association.public[0]:  
Refreshing state... [id=rtbassoc-07d05f3f7e4c384c3]  
module.vpc\_west.aws\_route\_table\_association.public[1]:  
Refreshing state... [id=rtbassoc-088e3ee7961d5554f]  
module.vpc\_west.aws\_nat\_gateway.this[0]: Refreshing state...  
[id=nat-0d4227cb01e496f0d]  
module.project\_rds\_s.aws\_db\_subnet\_group.udacity\_db\_subne  
t\_group: Refreshing state... [id=udacity\_db\_subnet\_group]  
module.project\_alb.aws\_lb\_target\_group\_attachment.udacity[1  
]: Refreshing state...  
[id=arn:aws:elasticloadbalancing:us-east-2:810716384126:targe  
tgroup/udacity-lb-tg/a2e1d0e1b8f00115-20231219052745159200  
000006]  
module.project\_alb.aws\_lb\_target\_group\_attachment.udacity[0  
]: Refreshing state...  
[id=arn:aws:elasticloadbalancing:us-east-2:810716384126:targe  
tgroup/udacity-lb-tg/a2e1d0e1b8f00115-20231219052744748900  
000005]  
module.vpc\_west.aws\_route.private\_nat\_gateway[1]:  
Refreshing state... [id=r-rtb-0de88d1cd12eb24ae1080289494]  
module.vpc\_west.aws\_route.private\_nat\_gateway[0]:  
Refreshing state... [id=r-rtb-0002cc7bee5ba35711080289494]  
data.aws\_eks\_cluster\_auth.cluster: Reading...  
data.aws\_eks\_cluster.cluster: Reading...  
data.aws\_eks\_cluster\_auth.cluster: Read complete after 0s  
[id=udacity-cluster]  
module.project\_eks.aws\_eks\_node\_group.node: Refreshing  
state... [id=udacity-cluster:app-udacity-node-group]  
data.aws\_eks\_cluster.cluster: Read complete after 0s  
[id=udacity-cluster]  
module.project\_rds\_s.aws\_rds\_cluster.udacity\_cluster-s:

Refreshing state... [id=udacity-db-cluster-s]

kubernetes\_namespace.udacity: Refreshing state... [id=udacity]

module.project\_rds\_s.aws\_rds\_cluster\_instance.udacity\_instance-s[0]: Refreshing state... [id=udacity-db-instance-0-s]

module.project\_rds\_s.aws\_rds\_cluster\_instance.udacity\_instance-s[1]: Refreshing state... [id=udacity-db-instance-1-s]

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:

+ create

~ update in-place

-/+ destroy and then create replacement

Terraform will perform the following actions:

+ create

~ update in-place

-/+ destroy and then create replacement

Terraform will perform the following actions:

# **kubernetes\_service.grafana-external** will be created

+ resource "kubernetes\_service" "grafana-external" {

+ id = (known after apply)

+ status = (known after apply)

+ wait\_for\_load\_balancer = true

+ metadata {

+ annotations = {

+ "service.beta.kubernetes.io/aws-load-balancer-nlb-target-type" =

"ip"

+ "service.beta.kubernetes.io/aws-load-balancer-type" =

"nlb"

+ generation = (known after apply)

+ name = "grafana-external"

+ namespace = "monitoring"

+ resource\_version = (known after apply)

+ uid = (known after apply)

}

}

}

```

+ spec {
  + allocate_load_balancer_node_ports = true
  + cluster_ip                        = (known after apply)
  + cluster_ips                      = (known after apply)
  + external_traffic_policy          = (known after apply)
  + health_check_node_port           = (known after apply)
  + internal_traffic_policy           = (known after apply)
  + ip_families                     = (known after apply)
  + ip_family_policy                  = (known after apply)
  + publish_not_ready_addresses      = false
  + selector                         = {
    + "app.kubernetes.io/name" = "grafana"
  }
  + session_affinity                 = "None"
  + type                             = "LoadBalancer"
  + port {
    + node_port = (known after apply)
    + port      = 80
    + protocol   = "TCP"
    + target_port = "3000"
  }
}

```

**# module.project\_rds\_p.aws\_rds\_cluster.udacity\_cluster** must be **replaced**

```

-/+ resource "aws_rds_cluster" "udacity_cluster" {
  ~ allocated_storage      = 1 -> (known after apply)
  + apply_immediately      = (known after apply)
  ~ arn                    =
"arn:aws:rds:us-east-2:810716384126:cluster:udacity-db-cluster" ->
(known after apply)
  ~ availability_zones      = [ # forces replacement

```

```

- "us-east-2c",
  # (2 unchanged elements hidden)
]
- backtrack_window = 0 -> null
+ cluster_identifier_prefix = (known after apply)
~ cluster_members = [
  - "udacity-db-instance-0",
  - "udacity-db-instance-1",
] -> (known after apply)
~ cluster_resource_id =
"cluster-KC2XQHOMO4AIAIX23I6BO36UQE" -> (known after
apply)
+ db_system_id = (known after apply)
- deletion_protection = false -> null
- enabled_cloudwatch_logs_exports = [] -> null
~ endpoint =
"udacity-db-cluster.cluster-c7ynrb7gzpbc.us-east-2.rds.amazonaws.
com" -> (known after apply)
~ engine_version_actual = "5.7.mysql_aurora.2.07.9"
-> (known after apply)
~ hosted_zone_id = "Z2XHWR1WZ565X2" ->
(known after apply)
- iam_database_authentication_enabled = false -> null
~ iam_roles = [] -> (known after apply)
~ id = "udacity-db-cluster" -> (known after
apply)
- iops = 0 -> null
+ kms_key_id = (known after apply)
~ master_user_secret = [] -> (known after apply)
+ master_user_secret_kms_key_id = (known after apply)
~ network_type = "IPV4" -> (known after apply)
~ port = 3306 -> (known after apply)

```

```

    ~ preferred_backup_window          = "06:41-07:11" -> (known
after apply)
    ~ preferred_maintenance_window    =
"wed:06:10-wed:06:40" -> (known after apply)
    ~ reader_endpoint                  =
"udacity-db-cluster.cluster-ro-c7ynrb7gzpbc.us-east-2.rds.amazona
ws.com" -> (known after apply)
    + storage_type                     = (known after apply)
    - tags                             = {} -> null
    # (18 unchanged attributes hidden)
  }
#
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0] must be replaced
-/+ resource "aws_rds_cluster_instance" "udacity_instance" {
    + apply_immediately                = (known after apply)
    ~ arn                              =
"arn:aws:rds:us-east-2:810716384126:db:udacity-db-instance-0" ->
(known after apply)
    ~ availability_zone                = "us-east-2b" -> (known after
apply)
    ~ ca_cert_identifier               = "rds-ca-2019" -> (known after
apply)
    ~ cluster_identifier               = "udacity-db-cluster" # forces
replacement -> (known after apply) # forces replacement
    ~ db_parameter_group_name         =
"default.aurora-mysql5.7" -> (known after apply)
    ~ dbi_resource_id                 =
"db-IKYI76LOGLAE3AFJ4OLLEWCR4E" -> (known after apply)
    ~ endpoint                        =
"udacity-db-instance-0.c7ynrb7gzpbc.us-east-2.rds.amazonaws.com
" -> (known after apply)

```

```

    ~ engine_version                = "5.7.mysql_aurora.2.07.9" ->
(known after apply)
    ~ engine_version_actual          = "5.7.mysql_aurora.2.07.9"
-> (known after apply)
    ~ id                            = "udacity-db-instance-0" -> (known
after apply)
    + identifier_prefix              = (known after apply)
    + kms_key_id                    = (known after apply)
    + monitoring_role_arn           = (known after apply)
    ~ network_type                  = "IPV4" -> (known after
apply)
    ~ performance_insights_enabled  = false -> (known after
apply)
    + performance_insights_kms_key_id = (known after apply)
    ~ performance_insights_retention_period = 0 -> (known after
apply)
    ~ port                          = 3306 -> (known after apply)
    ~ preferred_backup_window        = "06:41-07:11" ->
(known after apply)
    ~ preferred_maintenance_window  =
"thu:09:45-thu:10:15" -> (known after apply)
    ~ publicly_accessible            = false -> (known after apply)
    ~ storage_encrypted              = false -> (known after apply)
    - tags                          = {} -> null
    ~ writer                        = false -> (known after apply)
    # (9 unchanged attributes hidden)
  }
#
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[1] must be replaced
-/+ resource "aws_rds_cluster_instance" "udacity_instance" {
    + apply_immediately              = (known after apply)

```



```

~ arn =
"arn:aws:rds:us-east-2:810716384126:db:udacity-db-instance-1" ->
(known after apply)
~ availability_zone = "us-east-2a" -> (known after
apply)
~ ca_cert_identifier = "rds-ca-2019" -> (known after
apply)
~ cluster_identifier = "udacity-db-cluster" # forces
replacement -> (known after apply) # forces replacement
~ db_parameter_group_name =
"default.aurora-mysql5.7" -> (known after apply)
~ dbi_resource_id =
"db-JIAGJCPVS5Z4WHBPBEBZFIWA54" -> (known after apply)
~ endpoint =
"udacity-db-instance-1.c7ynrb7gzpbc.us-east-2.rds.amazonaws.com
" -> (known after apply)
~ engine_version = "5.7.mysql_aurora.2.07.9" ->
(known after apply)
~ engine_version_actual = "5.7.mysql_aurora.2.07.9"
-> (known after apply)
~ id = "udacity-db-instance-1" -> (known
after apply)
+ identifier_prefix = (known after apply)
+ kms_key_id = (known after apply)
+ monitoring_role_arn = (known after apply)
~ network_type = "IPV4" -> (known after
apply)
~ performance_insights_enabled = false -> (known after
apply)
+ performance_insights_kms_key_id = (known after apply)
~ performance_insights_retention_period = 0 -> (known after
apply)

```

```

    ~ port = 3306 -> (known after apply)
    ~ preferred_backup_window = "06:41-07:11" ->
(known after apply)
    ~ preferred_maintenance_window = "tue:05:10-tue:05:40"
-> (known after apply)
    ~ publicly_accessible = false -> (known after apply)
    ~ storage_encrypted = false -> (known after apply)
    - tags = {} -> null
    ~ writer = true -> (known after apply)
    # (9 unchanged attributes hidden)
}
# module.project_rds_s.aws_rds_cluster.udacity_cluster-s will
be updated in-place
~ resource "aws_rds_cluster" "udacity_cluster-s" {
  id = "udacity-db-cluster-s"
  + replication_source_identifier = (known after apply)
  tags = {}
  # (38 unchanged attributes hidden)
}

```

**Plan:** 4 to add, 1 to change, 3 to destroy.

### Warning: Reference to undefined provider

on main.tf line 41, in module "vpc\_west":

```
41:   aws = aws.usw1
```

There is no explicit declaration for local provider name "aws" in module.vpc\_west, so Terraform is assuming you mean to pass a configuration for "hashicorp/aws".

If you also control the child module, add a required\_providers entry named "aws" with the source

```
address "hashicorp/aws".
```

(and one more similar warning elsewhere)

### **Warning: Argument is deprecated**

```
with module.vpc.aws_eip.nat,  
on modules/vpc/routes.tf line 54, in resource "aws_eip" "nat":  
54:   vpc = true
```

use domain attribute instead

(and 3 more similar warnings elsewhere)

### **Do you want to perform these actions?**

Terraform will perform the actions described above.

Only 'yes' will be accepted to approve.

**Enter a value:** yes

kubernetes\_service.grafana-external: Creating...

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Destroying... [id=udacity-db-instance-1]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Destroying... [id=udacity-db-instance-0]

kubernetes\_service.grafana-external: Creation complete after 4s [id=monitoring/grafana-external]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 20s elapsed]

```
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m20s elapsed]
```

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 1m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 1m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m20s

```
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 2m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 2m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 3m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 3m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 3m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance
```

```
ce[1]: Still destroying... [id=udacity-db-instance-1, 3m10s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 3m20s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[1]: Still destroying... [id=udacity-db-instance-1, 3m20s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[1]: Still destroying... [id=udacity-db-instance-1, 3m30s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 3m30s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[1]: Still destroying... [id=udacity-db-instance-1, 3m40s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 3m40s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[1]: Still destroying... [id=udacity-db-instance-1, 3m50s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 3m50s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[1]: Still destroying... [id=udacity-db-instance-1, 4m0s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 4m0s
elapsed]
```

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 4m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 4m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m0s elapsed]



```
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still destroying... [id=udacity-db-instance-1, 5m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 5m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance
```

```
ce[1]: Still destroying... [id=udacity-db-instance-1, 5m50s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[1]: Still destroying... [id=udacity-db-instance-1, 6m0s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 6m0s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[1]: Destruction complete after 6m6s
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 6m10s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 6m20s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 6m30s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 6m40s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 6m50s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 7m0s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 7m10s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
```

```
ce[0]: Still destroying... [id=udacity-db-instance-0, 7m20s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 7m30s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 7m40s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 7m50s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 8m0s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 8m10s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 8m20s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 8m30s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 8m40s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 8m50s
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still destroying... [id=udacity-db-instance-0, 9m0s
elapsed]
```

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 9m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still destroying... [id=udacity-db-instance-0, 10m50s elapsed]

```
elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still destroying... [id=udacity-db-instance-0, 11m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Destruction complete after 12m0s
module.project_rds_p.aws_rds_cluster.udacity_cluster: Destroying... [id=udacity-db-cluster]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still destroying... [id=udacity-db-cluster, 10s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still destroying... [id=udacity-db-cluster, 20s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still destroying... [id=udacity-db-cluster, 30s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still destroying... [id=udacity-db-cluster, 40s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
```

```
destroying... [id=udacity-db-cluster, 50s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster:
Destruction complete after 52s
module.project_rds_p.aws_rds_cluster.udacity_cluster:
Creating...
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
creating... [10s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
creating... [20s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
creating... [30s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
creating... [40s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
creating... [50s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
creating... [1m1s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
creating... [1m11s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster: Still
creating... [1m21s elapsed]
module.project_rds_p.aws_rds_cluster.udacity_cluster:
Creation complete after 1m25s [id=udacity-db-cluster]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Creating...
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[1]: Creating...
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[1]: Still creating... [10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
ce[0]: Still creating... [10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instan
```

```
ce[1]: Still creating... [20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [1m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [1m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [1m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [1m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [1m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [1m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [1m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [1m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance
```

ce[0]: Still creating... [1m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [1m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [1m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [1m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [2m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [2m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance



```
ce[0]: Still creating... [3m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [3m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [3m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [3m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [3m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [3m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [3m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [3m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [3m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [3m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [3m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [3m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [4m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [4m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [4m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [4m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance
```

ce[0]: Still creating... [4m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [4m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [4m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [4m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [4m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [4m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [4m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [4m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance

ce[1]: Still creating... [5m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [5m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [5m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[0]: Still creating... [6m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [6m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance

```
ce[0]: Still creating... [7m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [7m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [7m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [7m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [7m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [7m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [7m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [7m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [7m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [7m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [7m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [7m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [8m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[0]: Still creating... [8m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance
```

```
ce[0]: Creation complete after 8m20s
[id=udacity-db-instance-0]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m20s elapsed]
module.project_rds_s.aws_rds_cluster.udacity_cluster-s:
Modifying... [id=udacity-db-cluster-s]
module.project_rds_s.aws_rds_cluster.udacity_cluster-s:
Modifications complete after 2s [id=udacity-db-cluster-s]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [8m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [9m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [9m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [9m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [9m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [9m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [9m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [10m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [10m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [10m20s elapsed]
```

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [10m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [10m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [10m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [11m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [11m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [11m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [11m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [11m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [11m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [12m0s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [12m10s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [12m20s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [12m30s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [12m40s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [12m50s elapsed]  
module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [13m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [13m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [13m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [13m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [13m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [13m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [14m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [14m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [14m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [14m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [14m40s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [14m50s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [15m0s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [15m10s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [15m20s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [15m30s elapsed]

module.project\_rds\_p.aws\_rds\_cluster\_instance.udacity\_instance[1]: Still creating... [15m40s elapsed]

```
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [15m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [16m0s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [16m10s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [16m20s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [16m30s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [16m40s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Still creating... [16m50s elapsed]
module.project_rds_p.aws_rds_cluster_instance.udacity_instance[1]: Creation complete after 16m58s
[id=udacity-db-instance-1]
```

**Apply complete! Resources: 4 added, 1 changed, 3 destroyed.**

### **Outputs:**

```
account_id = "810716384126"
caller_arn = "arn:aws:iam::810716384126:user/udacity"
caller_user = "AIDA3ZQTWJN7BIQ2VQ5H5"
private_subnet_ids = [
  "subnet-0ed8114a8eb572da0",
  "subnet-07e48fcbaa301e007",
]
public_subnet_ids = [
  "subnet-0b372db6494eb3995",
  "subnet-024b92ccfef86b705",
]
vpc_id = "vpc-099aea294f35d1a58"
jees-macbook:zone1 jeesantony$
```



