

```
{
  "AWSTemplateFormatVersion": "2010-09-09",
  "Parameters": {
    "VpcId": {
      "Type": "AWS::EC2::VPC::Id",
      "Description": "Enter the vpc ID"
    },
    "subneteks": {
      "Type": "List<AWS::EC2::Subnet::Id>",
      "Description": "Select the VPC under the selected VPC.P"
    },
    "Name": {
      "Type": "String",
      "Description": "Enter the Name"
    },
    "Owner": {
      "Type": "String",
      "Description": "Enter the Ownerr"
    },
    "Project": {
      "Type": "String",
      "Description": "Enter the Project"
    },
    "Application": {
      "Type": "String",
      "Description": "Enter the Application"
    },
    "Environment": {
      "Type": "String",
      "Description": "Enter the Environment"
    },
    "SecondaryOwner": {
      "Type": "String",
      "Description": "Enter the SecondaryOwner"
    },
    "SecretManagerName": {
      "Type": "String",
      "Description": "Enter the SecretManager"
    },
    "EKSSsgProtocol": {
      "Type": "String",
      "Description": "Enter the EKS security group protocol to allow"
    },
    "EKSSsgFromport": {
      "Type": "Number",
      "Description": "Enter the EKS security group fromport to allow"
    }
  }
}
```

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},
"EKSsgToport": {
  "Type": "Number",
  "Description": "Enter the EKS security group toport to allow"
},
"EKSsgCIDR": {
  "Type": "String",
  "Description": "Enter the EKS security group cidr range to allow"
},
"EKSversion": {
  "Type": "String",
  "Description": "Enter the EKS version"
},
"EndpointPublicAccess": {
  "Type": "String",
  "AllowedValues": [
    "true",
    "false"
  ],
  "Default": "false",
  "Description": "Select the cluster to be public"
},
"EndpointPrivateAccess": {
  "Type": "String",
  "AllowedValues": [
    "true",
    "false"
  ],
  "Default": "true",
  "Description": "Select the cluster to be private"
},
"NGCapacityType": {
  "Type": "String",
  "Description": "Enter the Nodegroup CapacityType"
},
"NGMinSize": {
  "Type": "Number",
  "Description": "Enter the min number of nodes in node group"
},
"NGDesiredSize": {
  "Type": "Number",
  "Description": "Enter the desired number of nodes in node group"
},
"NGMaxSize": {
  "Type": "Number",
  "Description": "Enter the max number of nodes in node group"
},
"NGInstanceTypes": {
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```
    "Type": "List<String>",
    "Description": "Enter the instance type of node"
  },
  "TemplateVolumeSize": {
    "Type": "Number",
    "Description": "Enter the Volume size"
  },
  "TemplateVolumeType": {
    "Type": "String",
    "Description": "Enter the Volume type"
  },
  "TemplateDeviceName": {
    "Type": "String",
    "Description": "Enter the temple device name"
  },
  "DBsgFromport": {
    "Type": "Number",
    "Description": "Enter the DB security group fromport"
  },
  "DBsgToport": {
    "Type": "Number",
    "Description": "Enter the DB security group toport"
  },
  "DBsgProtocol": {
    "Type": "String",
    "Description": "Enter the DB security group protocol"
  },
  "DBsgCIDR": {
    "Type": "String",
    "Description": "Enter the DB security group cidr range"
  },
  "DBAllocatedStorage": {
    "Type": "Number",
    "Description": "Enter the AllocatedStorage"
  },
  "DBInstanceClass": {
    "Type": "String",
    "Description": "Enter the DB instance class"
  },
  "DBEngine": {
    "Type": "String",
    "Description": "Enter the DB engine"
  },
  "DBEngineVersion": {
    "Type": "String",
    "Description": "Enter the DB engine version"
  },
  "DBMasterUsername": {
```

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    "Type": "String",
    "Description": "Enter the DB username"
  },
  "DBSubnetGroupName": {
    "Type": "String",
    "Description": "Enter the Subnetgroup name"
  },
  "DBKmsKeyId": {
    "Type": "String",
    "Description": "Enter the KMS key id"
  },
  "DBBackupRetentionPeriod": {
    "Type": "Number",
    "Description": "Enter the backup retention period"
  }
},
"Metadata": {
  "AWS::CloudFormation::Designer": {
    "da3dda13-6525-4ba2-924a-d234f3b30f23": {
      "size": {
        "width": 60,
        "height": 60
      },
      "position": {
        "x": 240,
        "y": 390
      },
      "z": 1,
      "embeds": []
    },
    "8781427f-b8bf-450c-8599-e5dd1f0a075e": {
      "size": {
        "width": 60,
        "height": 60
      },
      "position": {
        "x": 90,
        "y": 480
      },
      "z": 1,
      "embeds": []
    },
    "6d973b60-12a0-4f91-a14e-ca9a92e718b3": {
      "size": {
        "width": 60,
        "height": 60
      },
      "position": {

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```
      "x": 60,
      "y": 330
    },
    "z": 1,
    "embeds": []
  },
  "452dd6c1-e667-4127-9b56-1a72f4562630": {
    "size": {
      "width": 60,
      "height": 60
    },
    "position": {
      "x": 240,
      "y": 270
    },
    "z": 1,
    "embeds": []
  },
  "fe730ab5-1a14-4fb8-88fd-ed6345c6a3cb": {
    "size": {
      "width": 60,
      "height": 60
    },
    "position": {
      "x": 240,
      "y": 540
    },
    "z": 1,
    "embeds": []
  },
  "6a984354-180c-4595-addb-4933b96a4bb8": {
    "size": {
      "width": 60,
      "height": 60
    },
    "position": {
      "x": 270,
      "y": 660
    },
    "z": 1,
    "embeds": []
  },
  "544851b7-9add-4bd7-bc60-6f78dfafa3cb": {
    "size": {
      "width": 60,
      "height": 60
    },
    "position": {
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```
      "x": 360,
      "y": 480
    },
    "z": 1,
    "embeds": [],
    "dependson": [
      "fe730ab5-1a14-4fb8-88fd-ed6345c6a3cb"
    ]
  },
  "0966724c-5ed8-46a9-b6c5-be3a6c575184": {
    "size": {
      "width": 60,
      "height": 60
    },
    "position": {
      "x": 510,
      "y": 480
    },
    "z": 1,
    "embeds": []
  },
  "715d3048-300d-4401-a24a-d3cbd70781db": {
    "size": {
      "width": 60,
      "height": 60
    },
    "position": {
      "x": 690,
      "y": 420
    },
    "z": 1,
    "embeds": []
  },
  "c01ef687-0d66-46e1-9d16-a5fa518b8487": {
    "size": {
      "width": 60,
      "height": 60
    },
    "position": {
      "x": 750,
      "y": 540
    },
    "z": 1,
    "embeds": []
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  "12620a76-4479-49f5-802f-62c8787f5206": {
    "size": {
      "width": 60,
```

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        "height": 60
      },
      "position": {
        "x": 510,
        "y": 330
      },
      "z": 1,
      "embeds": []
    }
  },
  "Resources": {
    "EKS": {
      "Type": "AWS::EKS::Cluster",
      "Properties": {
        "Name": {
          "Fn::Join": [
            "",
            [
              {
                "Ref": "Name"
              },
              "-eks"
            ]
          ]
        },
        "Version": {
          "Ref": "EKSVersion"
        },
        "RoleArn": {
          "Fn::GetAtt": [
            "demo",
            "Arn"
          ]
        },
        "ResourcesVpcConfig": {
          "SecurityGroupIds": [
            {
              "Ref": "sgeks"
            }
          ],
          "SubnetIds": {
            "Ref": "subneteks"
          },
          "EndpointPublicAccess": {
            "Ref": "EndpointPublicAccess"
          },
          "EndpointPrivateAccess": {

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```
      "Ref": "EndpointPrivateAccess"
    }
  },
  "Tags": [
    {
      "Key": "Owner",
      "Value": {
        "Ref": "Owner"
      }
    },
    {
      "Key": "Project",
      "Value": {
        "Ref": "Project"
      }
    },
    {
      "Key": "Name",
      "Value": {
        "Fn::Join": [
          "",
          [
            {
              "Ref": "Name"
            },
            "-eks"
          ]
        ]
      }
    },
    {
      "Key": "Application",
      "Value": {
        "Ref": "Application"
      }
    },
    {
      "Key": "Environment",
      "Value": {
        "Ref": "Environment"
      }
    },
    {
      "Key": "SecondaryOwner",
      "Value": {
        "Ref": "SecondaryOwner"
      }
    }
  ]
}
```



```

    ]
  },
  "Metadata": {
    "AWS::CloudFormation::Designer": {
      "id": "da3dda13-6525-4ba2-924a-d234f3b30f23"
    }
  }
},
"demo": {
  "Type": "AWS::IAM::Role",
  "Properties": {
    "RoleName": {
      "Fn::Join": [
        "",
        [
          {
            "Ref": "Name"
          },
          "-eks-role"
        ]
      ]
    }
  },
  "AssumeRolePolicyDocument": {
    "Version": "2012-10-17",
    "Statement": [
      {
        "Effect": "Allow",
        "Principal": {
          "Service": [
            "ec2.amazonaws.com"
          ]
        },
        "Action": [
          "sts:AssumeRole"
        ]
      },
      {
        "Effect": "Allow",
        "Principal": {
          "Service": [
            "eks.amazonaws.com"
          ]
        },
        "Action": [
          "sts:AssumeRole"
        ]
      }
    ]
  }
}
]

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},
"ManagedPolicyArns": [
  "arn:aws:iam::aws:policy/AmazonSSMManagedInstanceCore"
],
"Tags": [
  {
    "Key": "Owner",
    "Value": {
      "Ref": "Owner"
    }
  },
  {
    "Key": "Project",
    "Value": {
      "Ref": "Project"
    }
  },
  {
    "Key": "Name",
    "Value": {
      "Fn::Join": [
        "",
        [
          {
            "Ref": "Name"
          },
          "-eks-role"
        ]
      ]
    }
  },
  {
    "Key": "Application",
    "Value": {
      "Ref": "Application"
    }
  },
  {
    "Key": "Environment",
    "Value": {
      "Ref": "Environment"
    }
  },
  {
    "Key": "SecondaryOwner",
    "Value": {
      "Ref": "SecondaryOwner"
    }
  }
]
```

```

    }
  ]
},
"Metadata": {
  "AWS::CloudFormation::Designer": {
    "id": "8781427f-b8bf-450c-8599-e5dd1f0a075e"
  }
}
},
"policy": {
  "Type": "AWS::IAM::Policy",
  "Properties": {
    "PolicyName": {
      "Fn::Join": [
        "",
        [
          {
            "Ref": "Name"
          },
          "-eks-restricted-policy"
        ]
      ]
    }
  },
  "PolicyDocument": {
    "Version": "2012-10-17",
    "Statement": [
      {
        "Effect": "Allow",
        "Action": [
          "ec2:DescribeInstances",
          "ec2:DescribeSnapshots",
          "elasticloadbalancing:DescribeLoadBalancerPolicies",
          "elasticloadbalancing>DeleteLoadBalancerListeners",
          "elasticloadbalancing:RegisterInstancesWithLoadBalancer",
          "elasticloadbalancing>CreateLoadBalancerListeners",
          "elasticloadbalancing>CreateLoadBalancer",
          "elasticloadbalancing:ModifyTargetGroup",
          "route53:AssociateVPCWithHostedZone",
          "ec2:DescribeVolumes",
          "ec2:DescribeAccountAttributes",
          "logs:CreateLogGroup",
          "iam:ListAttachedRolePolicies",
          "ecr:BatchCheckLayerAvailability",
          "ec2:DescribeNetworkInterfaces",
          "ec2:DescribeDhcpOptions",
          "elasticloadbalancing:ModifyLoadBalancerAttributes",
          "ecr:GetDownloadUrlForLayer",
          "ec2:DetachVolume",

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"elasticloadbalancing:DescribeTargetGroups",
"ec2:DescribeAvailabilityZones",
"elasticloadbalancing:DescribeTargetGroupAttributes",
"elasticloadbalancing:DetachLoadBalancerFromSubnets",
"ec2:DescribeSubnets",
"elasticloadbalancing>DeleteLoadBalancer",
"elasticloadbalancing>CreateLoadBalancerPolicy",
"ecr:BatchGetImage",
"elasticloadbalancing>DeleteTargetGroup",
"elasticloadbalancing:SetLoadBalancerPoliciesOfListener",
"ecr:GetLifecyclePolicy",
"ec2>DeleteRoute",
"autoscaling:DescribeAutoScalingGroups",
"elasticloadbalancing:DeregisterTargets",
"elasticloadbalancing:SetLoadBalancerPoliciesForBackendServer",
"elasticloadbalancing:ConfigureHealthCheck",
"elasticloadbalancing:ModifyTargetGroupAttributes",
"elasticloadbalancing:AttachLoadBalancerToSubnets",
"eks:UpdateClusterVersion",
"ecr:GetRepositoryPolicy",
"elasticloadbalancing>DeleteListener",
"ec2:DescribeRouteTables",
"ec2:AuthorizeSecurityGroupIngress",
"elasticloadbalancing:RegisterTargets",
"ec2:CreateTags",
"ec2:DetachNetworkInterface",
"ecr:DescribeImageScanFindings",
"logs:PutLogEvents",
"ecr:DescribeRepositories",
"ecr:DescribeImages",
"ecr:ListTagsForResource",
"ec2:ModifyVolume",
"ecr:ListImages",
"logs:DescribeLogStreams",
"ec2>DeleteTags",
"elasticloadbalancing:DescribeLoadBalancerAttributes",
"ec2:DescribeTags",
"elasticloadbalancing>CreateTargetGroup",
"ec2>DeleteSecurityGroup",
"ecr:GetLifecyclePolicyPreview",
"ec2:CreateNetworkInterface",
"ec2:DescribeInternetGateways",
"ec2:DescribeSecurityGroups",
"ec2:CreateRoute",
"elasticloadbalancing:DescribeLoadBalancers",
"ec2>DeleteVolume",
"kms:DescribeKey",
"ecr:GetAuthorizationToken",

```

    "ec2:AttachNetworkInterface",
    "elasticloadbalancing:CreateListener",
    "elasticloadbalancing:ApplySecurityGroupsToLoadBalancer",
    "ec2:ModifyNetworkInterfaceAttribute",
    "elasticloadbalancing:DescribeTargetHealth",
    "ec2:AttachVolume",
    "elasticloadbalancing:AddTags",
    "ec2:CreateVolume",
    "ec2:UnassignPrivateIpAddresses",
    "ec2:ModifyInstanceAttribute",
    "ec2:CreateSnapshot",
    "logs:CreateLogStream",
    "ec2:RevokeSecurityGroupIngress",
    "ec2:DescribeInstanceTypes",
    "ec2:CreateSecurityGroup",
    "ec2:DescribeVolumesModifications",
    "ec2:DescribeInstanceAttribute",
    "elasticloadbalancing:DeregisterInstancesFromLoadBalancer",
    "elasticloadbalancing:ModifyListener",
    "ec2>DeleteNetworkInterface",
    "ec2:AssignPrivateIpAddresses",
    "ec2:DescribeVpcs",
    "ec2:CreateNetworkInterfacePermission",
    "autoscaling:UpdateAutoScalingGroup",
    "ec2:DescribeAddresses",
    "elasticloadbalancing:DescribeListeners",
    "ec2:DescribeLaunchTemplateVersions",
    "ec2:CreateLaunchTemplateVersion",
    "ec2:CreateLaunchTemplate",
    "ec2:DescribeLaunchTemplates",
    "iam:PassRole",
    "eks:CreateNodegroup",
    "eks:DescribeCluster",
    "eks:JoinNodeGroup"
  ],
  "Resource": "*",
  "Condition": {
    "StringEquals": {
      "aws:PrincipalTag/Owner": {
        "Ref": "Owner"
      },
      "aws:PrincipalTag/Project": {
        "Ref": "Project"
      },
      "aws:PrincipalTag/Application": {
        "Ref": "Application"
      },
      "aws:PrincipalTag/Environment": {

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        "Ref": "Environment"
      },
      "aws:PrincipalTag/SecondaryOwner": {
        "Ref": "SecondaryOwner"
      }
    }
  ],
  "Roles": [
    {
      "Ref": "demo"
    }
  ],
  "Metadata": {
    "AWS::CloudFormation::Designer": {
      "id": "6d973b60-12a0-4f91-a14e-ca9a92e718b3"
    }
  }
},
"sgeks": {
  "Type": "AWS::EC2::SecurityGroup",
  "Properties": {
    "GroupName": {
      "Fn::Join": [
        "",
        [
          {
            "Ref": "Name"
          },
          "-eks-sg"
        ]
      ]
    }
  },
  "Tags": [
    {
      "Key": "Owner",
      "Value": {
        "Ref": "Owner"
      }
    },
    {
      "Key": "Project",
      "Value": {
        "Ref": "Project"
      }
    }
  ]
}

```

```

    },
    {
      "Key": "Name",
      "Value": {
        "Fn::Join": [
          "",
          [
            {
              "Ref": "Name"
            },
            "-eks-sg"
          ]
        ]
      }
    },
    {
      "Key": "Application",
      "Value": {
        "Ref": "Application"
      }
    },
    {
      "Key": "Environment",
      "Value": {
        "Ref": "Environment"
      }
    },
    {
      "Key": "SecondaryOwner",
      "Value": {
        "Ref": "SecondaryOwner"
      }
    }
  ],
  "VpcId": {
    "Ref": "VpcId"
  },
  "GroupDescription": {
    "Fn::Join": [
      "",
      [
        {
          "Ref": "Name"
        },
        "-eks-sg"
      ]
    ]
  }
},

```

```
"SecurityGroupIngress": [  
  {  
    "IpProtocol": "tcp",  
    "FromPort": 80,  
    "ToPort": 80,  
    "CidrIp": {  
      "Ref": "EKSsgCIDR"  
    }  
  },  
  {  
    "IpProtocol": {  
      "Ref": "EKSsgProtocol"  
    },  
    "FromPort": {  
      "Ref": "EKSsgFromport"  
    },  
    "ToPort": {  
      "Ref": "EKSsgToport"  
    },  
    "CidrIp": {  
      "Ref": "EKSsgCIDR"  
    }  
  },  
  {  
    "IpProtocol": "tcp",  
    "FromPort": 5432,  
    "ToPort": 5432,  
    "CidrIp": {  
      "Ref": "EKSsgCIDR"  
    }  
  },  
  {  
    "IpProtocol": "tcp",  
    "FromPort": 443,  
    "ToPort": 443,  
    "CidrIp": {  
      "Ref": "EKSsgCIDR"  
    }  
  },  
  {  
    "IpProtocol": "tcp",  
    "FromPort": 9080,  
    "ToPort": 9080,  
    "CidrIp": {  
      "Ref": "EKSsgCIDR"  
    }  
  },  
  {  
    "IpProtocol": "tcp",  
    "FromPort": 80,  
    "ToPort": 80,  
    "CidrIp": {  
      "Ref": "EKSsgCIDR"  
    }  
  }  
]
```



```

        "IpProtocol": "tcp",
        "FromPort": 9090,
        "ToPort": 9090,
        "CidrIp": {
            "Ref": "EKSsgCIDR"
        }
    },
    {
        "IpProtocol": "tcp",
        "FromPort": 4444,
        "ToPort": 4444,
        "CidrIp": {
            "Ref": "EKSsgCIDR"
        }
    },
    {
        "IpProtocol": "tcp",
        "FromPort": 9651,
        "ToPort": 9651,
        "CidrIp": {
            "Ref": "EKSsgCIDR"
        }
    }
],
"SecurityGroupEgress": [
    {
        "IpProtocol": "-1",
        "FromPort": 0,
        "ToPort": 0,
        "CidrIp": "0.0.0.0/0"
    }
]
},
"Metadata": {
    "AWS::CloudFormation::Designer": {
        "id": "452dd6c1-e667-4127-9b56-1a72f4562630"
    }
}
},
"EKSADDON": {
    "Type": "AWS::EKS::Addon",
    "DependsOn": [
        "EKSNG"
    ],
    "Properties": {
        "AddonName": "aws-ebs-csi-driver",
        "AddonVersion": "v1.25.0-eksbuild.1",
        "ClusterName": {

```

```
        "Ref": "EKS"
    },
    "Tags": [
        {
            "Key": "Owner",
            "Value": {
                "Ref": "Owner"
            }
        },
        {
            "Key": "Project",
            "Value": {
                "Ref": "Project"
            }
        },
        {
            "Key": "Name",
            "Value": {
                "Fn::Join": [
                    "",
                    [
                        {
                            "Ref": "Name"
                        },
                        "-eks-addon"
                    ]
                ]
            }
        },
        {
            "Key": "Application",
            "Value": {
                "Ref": "Application"
            }
        },
        {
            "Key": "Environment",
            "Value": {
                "Ref": "Environment"
            }
        },
        {
            "Key": "SecondaryOwner",
            "Value": {
                "Ref": "SecondaryOwner"
            }
        }
    ]
}
```

```
    },
    "Metadata": {
      "AWS::CloudFormation::Designer": {
        "id": "544851b7-9add-4bd7-bc60-6f78dfafa3cb"
      }
    }
  },
  "EKSNG": {
    "Type": "AWS::EKS::Nodegroup",
    "Properties": {
      "ClusterName": {
        "Ref": "EKS"
      },
      "NodegroupName": {
        "Fn::Join": [
          "",
          [
            {
              "Ref": "Name"
            }
          ],
          "-eks-node-group"
        ]
      },
      "NodeRole": {
        "Fn::GetAtt": [
          "demo",
          "Arn"
        ]
      },
      "Subnets": {
        "Ref": "subneteks"
      },
      "CapacityType": {
        "Ref": "NGCapacityType"
      },
      "ScalingConfig": {
        "MinSize": {
          "Ref": "NGMinSize"
        },
        "DesiredSize": {
          "Ref": "NGDesiredSize"
        },
        "MaxSize": {
          "Ref": "NGMaxSize"
        }
      },
      "InstanceTypes": {
```

```

        "Ref": "NGInstanceTypes"
    },
    "LaunchTemplate": {
        "Id": {
            "Ref": "launchtemplate"
        },
        "Version": "$Latest"
    },
    "Tags": {
        "Owner": {
            "Ref": "Owner"
        },
        "Project": {
            "Ref": "Project"
        },
        "Name": {
            "Fn::Join": [
                "",
                [
                    {
                        "Ref": "Name"
                    }
                ]
            ]
        },
        "-eks-node-group"
    ]
},
"Application": {
    "Ref": "Application"
},
"Environment": {
    "Ref": "Environment"
},
"SecondaryOwner": {
    "Ref": "SecondaryOwner"
}
},
"Metadata": {
    "AWS::CloudFormation::Designer": {
        "id": "fe730ab5-1a14-4fb8-88fd-ed6345c6a3cb"
    }
}
},
"launchtemplate": {
    "Type": "AWS::EC2::LaunchTemplate",
    "Properties": {
        "LaunchTemplateName": {
            "Fn::Join": [

```

```
        "",
        [
            {
                "Ref": "Name"
            },
            "-eks-template"
        ]
    ],
    "LaunchTemplateData": {
        "BlockDeviceMappings": [
            {
                "Ebs": {
                    "VolumeSize": {
                        "Ref": "TemplateVolumeSize"
                    },
                    "VolumeType": {
                        "Ref": "TemplateVolumeType"
                    },
                    "DeleteOnTermination": true,
                    "Encrypted": true
                },
                "DeviceName": {
                    "Ref": "TemplateDeviceName"
                }
            }
        ],
        "TagSpecifications": [
            {
                "ResourceType": "instance",
                "Tags": [
                    {
                        "Key": "Owner",
                        "Value": {
                            "Ref": "Owner"
                        }
                    },
                    {
                        "Key": "Project",
                        "Value": {
                            "Ref": "Project"
                        }
                    },
                    {
                        "Key": "Name",
                        "Value": {
                            "Fn::Join": [
                                "",
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    [
      {
        "Ref": "Name"
      },
      "-eks-node"
    ]
  ]
}
},
{
  "Key": "Application",
  "Value": {
    "Ref": "Application"
  }
},
{
  "Key": "Environment",
  "Value": {
    "Ref": "Environment"
  }
},
{
  "Key": "SecondaryOwner",
  "Value": {
    "Ref": "SecondaryOwner"
  }
}
]
}
]
}
}
},
"Metadata": {
  "AWS::CloudFormation::Designer": {
    "id": "6a984354-180c-4595-addb-4933b96a4bb8"
  }
}
},
"RDSDBI2QFNJ": {
  "Type": "AWS::RDS::DBInstance",
  "Properties": {
    "DBInstanceIdentifier": {
      "Fn::Join": [
        "",
        [
          {
            "Ref": "Name"
          }
        ]
      ]
    }
  }
}
},

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```

        "rds"
    ]
]
},
"DBInstanceClass": {
    "Ref": "DBInstanceClass"
},
"AllocatedStorage": {
    "Ref": "DBAllocatedStorage"
},
"Engine": {
    "Ref": "DBEngine"
},
"DBName": watermelondb,
"EngineVersion": {
    "Ref": "DBEngineVersion"
},
"MasterUsername": {
    "Ref": "DBMasterUsername"
},
"MasterUserPassword": {
    "Fn::Join": [
        "",
        [
            "{{resolve:secretsmanager:",
            {
                "Ref": "SecretManager"
            },
            ":SecretString:password}}"
        ]
    ]
},
"DBSubnetGroupName": {
    "Ref": "DBSubnetGroupName"
},
"DBParameterGroupName": {
    "Ref": "DBparametergroup"
},
"StorageEncrypted": true,
"EnableCloudwatchLogsExports": [
    "postgresql"
],
"BackupRetentionPeriod": {
    "Ref": "DBBackupRetentionPeriod"
},
"AutoMinorVersionUpgrade": false,
"VPCSecurityGroups": [
    {

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        "Ref": "BDSG"
    }
],
"KmsKeyId": {
    "Ref": "DBKmsKeyId"
},
"Tags": [
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        "Key": "Owner",
        "Value": {
            "Ref": "Owner"
        }
    },
    {
        "Key": "Project",
        "Value": {
            "Ref": "Project"
        }
    },
    {
        "Key": "Name",
        "Value": {
            "Fn::Join": [
                "",
                [
                    {
                        "Ref": "Name"
                    },
                    "-db"
                ]
            ]
        }
    },
    {
        "Key": "Application",
        "Value": {
            "Ref": "Application"
        }
    },
    {
        "Key": "Environment",
        "Value": {
            "Ref": "Environment"
        }
    },
    {
        "Key": "SecondaryOwner",
        "Value": {

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        "Ref": "SecondaryOwner"
    }
}
]
},
"Metadata": {
    "AWS::CloudFormation::Designer": {
        "id": "0966724c-5ed8-46a9-b6c5-be3a6c575184"
    }
}
},
"BDSG": {
    "Type": "AWS::EC2::SecurityGroup",
    "Properties": {
        "GroupName": {
            "Fn::Join": [
                "",
                [
                    {
                        "Ref": "Name"
                    },
                    "-db-sg"
                ]
            ]
        }
    },
    "Tags": [
        {
            "Key": "Owner",
            "Value": {
                "Ref": "Owner"
            }
        },
        {
            "Key": "Project",
            "Value": {
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            }
        },
        {
            "Key": "Name",
            "Value": {
                "Fn::Join": [
                    "",
                    [
                        {
                            "Ref": "Name"
                        },
                        "-db-sg"
                    ]
                ]
            }
        }
    ]
}

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```

        ]
    ]
}
},
{
    "Key": "Application",
    "Value": {
        "Ref": "Application"
    }
},
{
    "Key": "Environment",
    "Value": {
        "Ref": "Environment"
    }
},
{
    "Key": "SecondaryOwner",
    "Value": {
        "Ref": "SecondaryOwner"
    }
}
],
"VpcId": {
    "Ref": "VpcId"
},
"GroupDescription": {
    "Fn::Join": [
        "",
        [
            {
                "Ref": "Name"
            },
            "-db-sg"
        ]
    ]
},
"SecurityGroupIngress": [
    {
        "IpProtocol": {
            "Ref": "DBsgProtocol"
        },
        "FromPort": {
            "Ref": "DBsgFromport"
        },
        "ToPort": {
            "Ref": "DBsgToport"
        },
    },

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        "CidrIp": {
            "Ref": "DBsgCIDR"
        }
    },
    "SecurityGroupEgress": [
        {
            "IpProtocol": "-1",
            "FromPort": 0,
            "ToPort": 0,
            "CidrIp": "0.0.0.0/0"
        }
    ]
},
"Metadata": {
    "AWS::CloudFormation::Designer": {
        "id": "715d3048-300d-4401-a24a-d3cbd70781db"
    }
}
},
"DBparametergroup": {
    "Type": "AWS::RDS::DBParameterGroup",
    "Properties": {
        "DBParameterGroupName": {
            "Fn::Join": [
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                [
                    {
                        "Ref": "Name"
                    },
                    "-db-pg"
                ]
            ]
        }
    },
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        {
            "Key": "Owner",
            "Value": {
                "Ref": "Owner"
            }
        },
        {
            "Key": "Project",
            "Value": {
                "Ref": "Project"
            }
        }
    ],
    {

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    "Key": "Name",
    "Value": {
      "Fn::Join": [
        "",
        [
          {
            "Ref": "Name"
          },
          "-db-pg"
        ]
      ]
    },
    {
      "Key": "Application",
      "Value": {
        "Ref": "Application"
      }
    },
    {
      "Key": "Environment",
      "Value": {
        "Ref": "Environment"
      }
    },
    {
      "Key": "SecondaryOwner",
      "Value": {
        "Ref": "SecondaryOwner"
      }
    }
  ],
  "Family": "postgres14",
  "Description": "db"
},
"Metadata": {
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    "id": "c01ef687-0d66-46e1-9d16-a5fa518b8487"
  }
}
},
"SecretManager": {
  "Type": "AWS::SecretsManager::Secret",
  "Properties": {
    "Name": {
      "Ref": "SecretManagerName"
    },
    "GenerateSecretString": {

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    "SecretStringTemplate": "{\"username\": \"{{username}}\"}",
    "GenerateStringKey": "password",
    "PasswordLength": 10, "ExcludeCharacters": "/@\" "
  },
  "Tags": [
    {
      "Key": "Owner",
      "Value": {
        "Ref": "Owner"
      }
    },
    {
      "Key": "Project",
      "Value": {
        "Ref": "Project"
      }
    },
    {
      "Key": "Name",
      "Value": {
        "Fn::Join": [
          "",
          [
            {
              "Ref": "Name"
            },
            "-db-sm"
          ]
        ]
      }
    },
    {
      "Key": "Application",
      "Value": {
        "Ref": "Application"
      }
    },
    {
      "Key": "Environment",
      "Value": {
        "Ref": "Environment"
      }
    },
    {
      "Key": "SecondaryOwner",
      "Value": {
        "Ref": "SecondaryOwner"
      }
    }
  ]
}

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    }
  ]
},
"Metadata": {
  "AWS::CloudFormation::Designer": {
    "id": "12620a76-4479-49f5-802f-62c8787f5206"
  }
}
}
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