# google\_client\_config and kubernetes provider must be explicitly specified like the following.  
data "google\_client\_config" "default" {}  
  
provider "kubernetes" {  
  host                   = "https://${module.gke.endpoint}"  
  token                  = data.google\_client\_config.default.access\_token  
  cluster\_ca\_certificate = base64decode(module.gke.ca\_certificate)  
}  
  
data "google\_project" "project" {  
  project\_id = var.project\_id  
}  
  
module "gke" {  
  source                     = "terraform-google-modules/kubernetes-engine/google//modules/private-cluster"  
  project\_id                 = var.project\_id  
  name                       = [var.gke\_cluster.name](http://var.gke_cluster.name/)  
  region                     = var.gke\_cluster.region  
  zones                      = var.gke\_cluster.zones  
  network                    = var.gke\_cluster.vpc.vpc\_name  
  subnetwork                 = var.gke\_cluster.vpc.vpc\_subnet  
  ip\_range\_pods              = var.gke\_cluster.vpc.vpc\_sec\_pod  
  ip\_range\_services          = var.gke\_cluster.vpc.vpc\_sec\_svc  
  http\_load\_balancing        = true  
  network\_policy             = false  
  horizontal\_pod\_autoscaling = true  
  filestore\_csi\_driver       = false  
  enable\_private\_endpoint    = false  
  enable\_private\_nodes       = true  
  master\_ipv4\_cidr\_block     = var.gke\_cluster.master\_ipv4\_cidr\_block  
  remove\_default\_node\_pool   = true  
  cluster\_resource\_labels    = { "mesh\_id" : "proj-${data.google\_project.project.number}" }  
  create\_service\_account     = false  
  identity\_namespace         = "${var.project\_id}.svc.id.goog"  
  
  master\_authorized\_networks = var.gke\_cluster.master\_authorized\_networks  
  
  node\_pools = var.gke\_cluster.node\_pool  
  
}  
  
module "cloud\_router" {  
  source  = "terraform-google-modules/cloud-router/google"  
  name    = [var.router.name](http://var.router.name/)  
  project = var.project\_id  
  region  = var.router.region  
  network = var.router.network  
}  
  
module "cloud-nat" {  
  depends\_on                         = [module.cloud\_router]  
  source                             = "terraform-google-modules/cloud-nat/google"  
  project\_id                         = var.project\_id  
  region                             = var.router.region  
  router                             = [var.router.name](http://var.router.name/)  
  name                               = var.router.nat\_name  
  source\_subnetwork\_ip\_ranges\_to\_nat = "ALL\_SUBNETWORKS\_ALL\_IP\_RANGES"  
}