variable "tenancy\_ocid" {}

variable "user\_ocid" {}

variable "fingerprint" {}

variable "private\_key\_path" {}

variable "compartment\_ocid" {}

variable "region" {}

variable "vcn\_id" {}

variable "subnet" {}

variable "lb\_id" {}

variable "ssh\_public\_key" {}

variable "instance\_image\_ocid" {

  type = "map"

  default = {

    # See https://docs.us-phoenix-1.oraclecloud.com/images/

    # Oracle-provided image "Oracle-Linux-7.7-Gen2-GPU-2019.11.12-0"

   # us-phoenix-1 = "ocid1.image.oc1.phx.aaaaaaaaoqj42sokaoh42l76wsyhn3k2beuntrh5maj3gmgmzeyr55zzrwwa"

   ap-sydney-1 = "ocid1.image.oc1.ap-sydney-1.aaaaaaaae5qy5o6s2ve2lt4aetmd7s4ydpupowhs6fdl25w4qpkdidbuva5q"

   # us-ashburn-1   = "ocid1.image.oc1.iad.aaaaaaaageeenzyuxgia726xur4ztaoxbxyjlxogdhreu3ngfj2gji3bayda"

    #eu-frankfurt-1 = "ocid1.image.oc1.eu-frankfurt-1.aaaaaaaaitzn6tdyjer7jl34h2ujz74jwy5nkbukbh55ekp6oyzwrtfa4zma"

    #uk-london-1    = "ocid1.image.oc1.uk-london-1.aaaaaaaa32voyikkkzfxyo4xbdmadc2dmvorfxxgdhpnk6dw64fa3l4jh7wa"

  }

}

variable "instance\_shape" {

  default = "VM.Standard.E2.1"

}

variable "instance\_shape1" {

default = "VM.Standard.E2.2"

}

variable "availability\_domain" {

  default = 3

}

provider "oci" {

  tenancy\_ocid     = "${var.tenancy\_ocid}"

  user\_ocid        = "${var.user\_ocid}"

  fingerprint      = "${var.fingerprint}"

  private\_key\_path = "${var.private\_key\_path}"

  region           = "${var.region}"

#  vcn\_id   = "${var.vcn\_id}"

#  subnet           = "${var.subnet}"

}

data "oci\_identity\_availability\_domain" "ad1" {

  compartment\_id = "${var.tenancy\_ocid}"

  ad\_number      = 1

}

data "oci\_identity\_availability\_domain" "ad2" {

  compartment\_id = "${var.tenancy\_ocid}"

  ad\_number      = 1

}

/\* load balancer \*/

resource "oci\_load\_balancer\_backend\_set" "lb-bes1" {

  name             = "lb-bes1"

  load\_balancer\_id = "${var.lb\_id}"

   policy           = "ROUND\_ROBIN"

health\_checker {

    port                = "80"

    protocol            = "HTTP"

    response\_body\_regex = ".\*"

    url\_path            = "/"

  }

}

resource "oci\_load\_balancer\_backend\_set" "lb-bes2" {

name = "lb-bes2"

load\_balancer\_id = "${var.lb\_id}"

policy = "ROUND\_ROBIN"

health\_checker {

port = "80"

protocol = "HTTP"

response\_body\_regex = ".\*"

url\_path = "/"

}

}

resource "oci\_core\_instance" "instances-saurabh" {

count =2

availability\_domain = "${data.oci\_identity\_availability\_domain.ad1.name}"

compartment\_id = "${var.compartment\_ocid}"

display\_name = "saurabh.${count.index}"

shape = "${var.instance\_shape}"

metadata = {

user\_data = "${base64encode(var.user-data)}

ssh\_authorized\_keys = "${var.ssh\_public\_key}"

}

create\_vnic\_details {

subnet\_id = "${var.subnet}"

#hostname\_label = "saurabh.${count.index}"

}

source\_details {

source\_type = "image"

source\_id = "${var.instance\_image\_ocid[var.region]}"

}

}

resource "oci\_core\_instance" "instances-saurabhnew" {

count =2

availability\_domain = "${data.oci\_identity\_availability\_domain.ad1.name}"

compartment\_id = "${var.compartment\_ocid}"

display\_name = "saurabhnew.${count.index}"

shape = "${var.instance\_shape1}"

#ssh\_authorized\_keys = "${var.ssh\_public\_key}"

metadata = {

user\_data = "${base64encode(var.user-data)}"

ssh\_authorized\_keys = "${var.ssh\_public\_key}"

}

create\_vnic\_details {

subnet\_id = "${var.subnet}"

#hostname\_label = "saurabh#.${count.index}"

}

source\_details {

source\_type = "image"

source\_id = "${var.instance\_image\_ocid[var.region]}"

}

}

resource "oci\_load\_balancer\_backend" "lb-be1" {

 count = 2

 load\_balancer\_id = "${var.lb\_id}"

 backendset\_name  = "${oci\_load\_balancer\_backend\_set.lb-bes1.name}"

 ip\_address       = "${oci\_core\_instance.instances-saurabh[count.index].private\_ip}"

 port             = 80

 backup           = false

 drain            = false

 offline          = false

 weight           = 1

}

variable "user-data" {

  default = <<EOF

#!/bin/bash -x

echo '################### webserver userdata begins #####################'

touch ~opc/userdata.`date +%s`.start

# echo '########## yum update all ###############'

# yum update -y

echo '########## basic webserver ##############'

yum install -y httpd

systemctl enable  httpd.service

systemctl start  httpd.service

echo '<html><head></head><body><pre><code>' > /var/www/html/index.html

hostname >> /var/www/html/index.html

echo '' >> /var/www/html/index.html

cat /etc/os-release >> /var/www/html/index.html

echo '</code></pre></body></html>' >> /var/www/html/index.html

firewall-offline-cmd --add-service=http

systemctl enable  firewalld

systemctl restart  firewalld

touch ~opc/userdata.`date +%s`.finish

echo '################### webserver userdata ends #######################'

EOF

}

[opc@instance-20191126-1003 lb\_full]$