**3. terraform local file ansible inventory**

--- **note** – here, the created instance ip addresses will be stored in ansible inventory file.

--- this is also called as terraform ansible dynamic inventory.

--- cat local\_file.tf

resource "local\_file" "hosts\_cfg" {

  content = templatefile("hosts.tpl",

    {

      server1 = aws\_instance.Docker-swarm-master-1.0.public\_ip

      server2 = aws\_instance.Docker-swarm-master-2-and-3.0.public\_ip

      server3 = aws\_instance.Docker-swarm-master-2-and-3.1.public\_ip

      server4 = aws\_instance.Docker-swarm-workder-nodes.0.public\_ip

      server5 = aws\_instance.Docker-swarm-workder-nodes.1.public\_ip

      server6 = aws\_instance.Docker-swarm-workder-nodes.2.public\_ip

    }

  )

  filename = "/etc/ansible/hosts.cfg"

}

--- **note** – it will create dynamic hosts.cfg in /etc/ansible/hosts.cfg.

--- cat hosts.tpl

[docker\_servers]

Docker-swarm-master-0        ansible\_host=${server1}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

Docker-swarm-master-1        ansible\_host=${server2}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

Docker-swarm-master-2        ansible\_host=${server3}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

Docker-swarm-workder-nodes-1 ansible\_host=${server4}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

Docker-swarm-workder-nodes-2 ansible\_host=${server5}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

Docker-swarm-workder-nodes-3 ansible\_host=${server6}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

[docker\_master]

Docker-swarm-master-0        ansible\_host=${server1}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

[docker\_managers]

Docker-swarm-master-1        ansible\_host=${server2}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

Docker-swarm-master-2        ansible\_host=${server3}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

[docker\_workers]

Docker-swarm-workder-nodes-1 ansible\_host=${server4}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

Docker-swarm-workder-nodes-2 ansible\_host=${server5}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22

Docker-swarm-workder-nodes-3 ansible\_host=${server6}   ansible\_connection=ssh     ansible\_user=ansadmin   ansible\_port=22