muhammad@Azure:~$ az group create --name msagroup --location westus2

{

"id": "/subscriptions/5d2deb94-44c1-4f65-88dc-22e6a9841a7f/resourceGroups/msagroup",

"location": "westus2",

"managedBy": null,

"name": "msagroup",

"properties": {

"provisioningState": "Succeeded"

},

"tags": null,

"type": "Microsoft.Resources/resourceGroups"

}

muhammad@Azure:~$

muhammad@Azure:~$ az group list --output table

Name Location Status

-------------------------- ---------- ---------

cloud-shell-storage-westus westus Succeeded

msagroup westus2 Succeeded

muhammad@Azure:~$ az vm list-skus --location westus2 --size Standard\_B1s --all --output table

ResourceType Locations Name Zones Restrictions

--------------- ----------- ------------ ------- --------------

virtualMachines westus2 Standard\_B1s 1,2,3 None

muhammad@Azure:~$

muhammad@Azure:~$ az vm create --resource-group msagroup --size Standard\_B1s --name centos1 --admin-username student --image OpenLogic:CentOS:7.5:latest --generate-ssh-keysIt is recommended to use parameter "--public-ip-sku Standard" to create new VM with Standard public IP. Please note that the default public IP used for VM creation will bechanged from Basic to Standard in the future.

\ Running ..

muhammad@Azure:~$ az vm create --resource-group msagroup --size Standard\_B1s --name centos1 --admin-username student --image OpenLogic:CentOS:7.5:latest --generate-ssh-keysIt is recommended to use parameter "--public-ip-sku Standard" to create new VM with Standard public IP. Please note that the default public IP used for VM creation will bechanged from Basic to Standard in the future.

{

"fqdns": "",

"id": "/subscriptions/5d2deb94-44c1-4f65-88dc-22e6a9841a7f/resourceGroups/msagroup/providers/Microsoft.Compute/virtualMachines/centos1",

"location": "westus2",

"macAddress": "00-0D-3A-6D-80-00",

"powerState": "VM running",

"privateIpAddress": "10.0.0.4",

"publicIpAddress": "20.112.94.140",

"resourceGroup": "msagroup",

"zones": ""

}

muhammad@Azure:~$

Read more about the command in reference docs

muhammad@Azure:~$ az vm list-ip-addresses --name centos1 --resource-group msagroup --output table

VirtualMachine PublicIPAddresses PrivateIPAddresses

---------------- ------------------- --------------------

centos1 20.112.94.140 10.0.0.4

muhammad@Azure:~$

copy id\_rsa content for azure bash instance to my laptop ubuntu and change permisson 700

create user student on laptop in order to access via ubuntu to clound vm

muhammad@Azure:~/.ssh$ ll

total 20K

drwx------ 2 muhammad muhammad 4.0K Oct 26 20:14 ./

drwxr-xr-x 4 muhammad muhammad 4.0K Oct 26 22:36 ../

-rw------- 1 muhammad muhammad 1.7K Oct 25 22:32 id\_rsa

-rw-r--r-- 1 muhammad muhammad 380 Oct 25 22:32 id\_rsa.pub

-rw-r--r-- 1 muhammad muhammad 222 Oct 26 20:14 known\_hosts

muhammad@Azure:~/.ssh$ cat id\_rsa

-----BEGIN RSA PRIVATE KEY-----

MIIEpAIBAAKCAQEAoBQCDxRbWlBZOU9CpqSc+mK4GiYHFdvyda7qEx69fXQi4HRh

tYLwvRM+GAdJcJd72vgH5fnGA4/3yvNHpjuiOdgXbQTFAUQsch7um6G3OJFcNDNx

/BaD/RTpOvbL1M17K0+LQQ7aV2Lg7i3gZSMnQoAkSmqqAmVsfkk3beKxN73NwDBz

x/eM27rlGRTBDIS5CF0cfnZq9KcuZ35lWz4pOeBIQ0DoH/l7MXNcKQbp2g5OvuKR

jYPsOrskvOU7fbLN0AyMV2GGI+6vZqplel0HItLlRb80gCCDHpduVdbc/aRnvzVu

W22hU6CAbeXbe3U+WhJUDnUjMb2840fcs+KLgwIDAQABAoIBABmKF6oAPXLzTsjt

9FxR9xmblnPVjVvXc5+DAKV8Sg8x8D6PUud6tJ316/o5b2YfRQtydxAiAY2f8pDW

r5+98+v2pgYmtKe3EMBEXx1Fd832oxdQ/eaSUQyXwX4+0dZp0jTexADlNcCrbeeS

OjLooOLjPucAjY9ET0L2u3k0qcGSrhDZGEogYXyU4RTPMooDPKKBHCFYIVwb7HFW

BcgLthvZKlriGAVhm13buggjiBVlonHkDwduGUdtXEco2sBDW1ZaKhc+lT46cgoC

T6sxQ3/VZNvwXIRmolGbPiCzBsWzGQTGjxJQ6vlAQfs7lZCPyijZHwKBxIfeEh3T

2NTJ4MECgYEA03HL4aFscQpeB7R6x3wjoFpvIs9hs93sH5e/mBE3TUQhpWXByfyv

XhbKt7mjMtvMP2p4+XDIdu8zRuPXzl5TnirmWGNiAGQFJxrg2Nqu8CfmL1pyfTpx

60dIDtEdilQ4wOLO1oYONS6inoTMBIhDUNDkQblr2MXZEqK/K1MUAF0CgYEAwc9L

eM3+lSJ+BheeTMdG4hZh9n1sAZxhJAhKeknLXEO30yVFdhh6FUhRe8u0A/JdrmLx

gRw3CKYOJD/0HMoE/52ST7tgK+yT7m4nVEZXWiLcJI1Z0/LApPVWbk7U9AoiO4c1

VgASgzQwuqbC2sQONpRDnuB5viO//TRwokfdfV8CgYBV6tmTl0o/LJ1EuDtjr7ey

Qs0B8g6bTcPSmpDJs8Uq6lJZqN1zu+9uZgh9WztLQTDfW95ITWHHoi7N0Wsxefa0

QG5U4B1EV2AYob1XoJSRFUVdXH1FEWiU1+QZ0TMVsF9XUVIGrXY8efSuQPu9o7jm

r9rwMe32qX4pKmRPsHRiKQKBgQC1yRkSS61R9xNb5YVeoL/0ymfCiqvm6uYWpQwu

nc74ULA4hUoc1iKUmcuMIWpNFWUXb8j0gCGCpDa5e58d7cM4e3TEAo3XRUUQLBQJ

sRy39+CjDE5IRfa6A0C5oImQCX1Idq7pZpH2rNpUCJzWE3T9bp3qhMTMOr4W4rwP

CvdOYwKBgQDEFHAOKHnf5gp3Nu/23ZRYLF8wV1nTbf/Yk/2NZkZsrK+hAFWYZQq1

oXIvUdPxSrrHyW1KDFxK48AreP1RaNKcFIAY6ZXA+XQeUFxu3nu9jAEnkI8MuXM7

TtuwVKR2ioNgaC7fxvqY5AhPMjtKuFqcr39eA5fnOwen7j16RrJKdA==

-----END RSA PRIVATE KEY-----

muhammad@Azure:~/.ssh$ ls -ltr

muhammad@Azure:~/.ssh$ az vm list-ip-addresses -o table

VirtualMachine PublicIPAddresses PrivateIPAddresses

---------------- ------------------- --------------------

centos1 20.112.94.140 10.0.0.4

muhammad@Azure:~/.ssh$

muhammad@Azure:~/.ssh$

muhammad@Azure:~/.ssh$ az vm list -o table

Name ResourceGroup Location Zones

------- --------------- ---------- -------

centos1 MSAGROUP westus2

muhammad@Azure:~/.ssh$

az vm stop --name centos1 --resource-group msagroup

muhammad@Azure:~/.ssh$ az vm stop --name centos1 --resource-group msagroup

About to power off the specified VM...

It will continue to be billed. To deallocate a VM, run: az vm deallocate.

muhammad@Azure:~/.ssh$

## az vm get-instance-view --name centos1 --resource-group msagroup

muhammad@Azure:~/.ssh$ az vm get-instance-view --name centos1 --resource-group msagroup | grep -i power

"code": "PowerState/stopped",

muhammad@Azure:~/.ssh

az vm start --resource-group msagroup --name centos1

muhammad@Azure:~/.ssh$ az vm get-instance-view --name centos1 --resource-group msagroup | grep -i poer

muhammad@Azure:~/.ssh$ az vm get-instance-view --name centos1 --resource-group msagroup | grep -i power

"code": "PowerState/stopped",

muhammad@Azure:~/.ssh$ az vm start --resource-group msagroup --name centos1

muhammad@Azure:~/.ssh$ az vm get-instance-view --name centos1 --resource-group msagroup | grep -i power

"code": "PowerState/running",

muhammad@Azure:~/.ssh$