**CAPSTONE-104**

* Create a new resource group:

New-AzResourceGroup -Name tosoRG -Location "eastUS"

* Created Load Balancer using Bicep – attached (load balancer with attached VMs-Vnet-NICs-NSG, inbound-outbound rules)

See code here:

<https://github.com/lucasbench/Azure-BootUp/blob/main/toso-plb>

* Upload to Shell and Deploy the bicep file

New-AzResourceGroupDeployment -ResourceGroupName tosoRG -TemplateFile ./toso-plb.bicep

Created Custom DNS

A screenshot of a computer

Description automatically generated

Attached public IP to DNS

A black and red line

Description automatically generated

* Created Storage in bicep

See code here:

<https://github.com/lucasbench/Azure-BootUp/blob/main/storage.bicep>

Deploy the bicep file

New-AzResourceGroupDeployment -ResourceGroupName tosoRG -TemplateFile ./storage.bicep

and attached to DNS IP 52.191.61.21

A screenshot of a computer

Description automatically generated

Added Lifecycle Rules:

A screenshot of a computer

Description automatically generated

Set to delete after 30 days from creation:

A screenshot of a computer

Description automatically generated\

Created custom role for VM Contributor:

{

    "properties": {

        "roleName": "Virtual Machine Role1",

        "description": "Can Stop, Start, change size of VMs",

        "assignableScopes": [

            "/subscriptions/02af913d-5b42-442e-91a0-cb68e34470ca"

        ],

        "permissions": [

            {

                "actions": [

                    "Microsoft.Compute/virtualMachines/start/action",

                    "Microsoft.Compute/virtualMachines/powerOff/action",

                    "Microsoft.Compute/virtualMachines/deallocate/action",

                    "Microsoft.Compute/disks/write"

                ],

                "notActions": [],

                "dataActions": [],

                "notDataActions": []

            }

        ]

    }

}