## EJERCICIO 3: Configuración del acceso de red a una máquina virtual mediante un grupo de seguridad de red

**CÓDIGO**

**Requesting a Cloud Shell.Succeeded**.

**Connecting terminal...**

**Welcome to Azure Cloud Shell**

**Type "az" to use Azure CLI**

**Type "help" to learn about Cloud Shell**

**francis@Azure:~$** **az vm create \**

**> --resource-group learn-487cff37-a82c-4105-bd2f-57389183ead9 \**

**> --name my-vm \**

**> --image UbuntuLTS \**

**> --admin-username azureuser \**

**> --generate-ssh-keys**

**It 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 be changed from Basic to Standard in the future.**

**{**

**"fqdns": "",**

**"id": "/subscriptions/02dd49b6-b1df-4b19-bce6-b6188492ff0b/resourceGroups/learn-487cff37-a82c-4105-bd2f-57389183ead9/providers/Microsoft.Compute/virtualMachines/my-vm",**

"location": "westus",

"macAddress": "00-0D-3A-32-D7-B0",

"powerState": "VM running",

"privateIpAddress": "10.0.0.4",

"publicIpAddress": "20.245.121.189",

"resourceGroup": "learn-487cff37-a82c-4105-bd2f-57389183ead9",

"zones": ""

}

**francis@Azure:~$ az vm extension set \**

**> --resource-group learn-487cff37-a82c-4105-bd2f-57389183ead9 \**

**> --vm-name my-vm \**

**> --name customScript \**

**> --publisher Microsoft.Azure.Extensions \**

**> --version 2.1 \**

**> --settings '{"fileUris":["https://raw.githubusercontent.com/MicrosoftDocs/mslearn-welcome-to-azure/master/configure-nginx.sh"]}' \**

**> --protected-settings '{"commandToExecute": "./configure-nginx.sh"}'**

**{**

**"autoUpgradeMinorVersion": true,**

**"enableAutomaticUpgrade": null,**

**"forceUpdateTag": null,**

**"id": "/subscriptions/02dd49b6-b1df-4b19-bce6-b6188492ff0b/resourceGroups/learn-487cff37-a82c-4105-bd2f-57389183ead9/providers/Microsoft.Compute/virtualMachines/my-vm/extensions/customScript",**

"instanceView": null,

"location": "westus",

"name": "customScript",

"protectedSettings": null,

"protectedSettingsFromKeyVault": null,

"provisioningState": "Succeeded",

"publisher": "Microsoft.Azure.Extensions",

"resourceGroup": "learn-487cff37-a82c-4105-bd2f-57389183ead9",

"settings": {

"fileUris": [

"https://raw.githubusercontent.com/MicrosoftDocs/mslearn-welcome-to-azure/master/configure-nginx.sh"

]

},

"suppressFailures": null,

"tags": null,

"type": "Microsoft.Compute/virtualMachines/extensions",

"typeHandlerVersion": "2.1",

"typePropertiesType": "customScript**"**

}

**francis@Azure:~$** **IPADDRESS="$(az vm list-ip-addresses \**

**> --resource-group learn-487cff37-a82c-4105-bd2f-57389183ead9 \**

**> --name my-vm \**

**> --query "[].virtualMachine.network.publicIpAddresses[\*].ipAddress" \**

**> --output tsv)"**

**francis@Azure:~$** **curl --connect-timeout 5 http://$IPADDRESS**

^[[curl: (28) Connection timed out after 5001 milliseconds

**francis@Azure:~$** **echo $IPADDRESS**

20.245.121.189

**francis@Azure:~$** **az network nsg list \**

**> --resource-group learn-487cff37-a82c-4105-bd2f-57389183ead9 \**

**> --query '[].name' \**

**> --output tsv**

my-vmNSG

**francis@Azure:~$** **az network nsg rule list \**

**> --resource-group learn-487cff37-a82c-4105-bd2f-57389183ead9 \**

**> --nsg-name my-vmNSG**

[

**{**

**"access": "Allow",**

**"description": null,**

**"destinationAddressPrefix": "\*",**

**"destinationAddressPrefixes": [],**

**"destinationApplicationSecurityGroups": null,**

**"destinationPortRange": "22",**

**"destinationPortRanges": [],**

**"direction": "Inbound",**

**"etag": "W/\"7c547200-499c-4914-9f11-21fed10ff428\"",**

**"id": "/subscriptions/02dd49b6-b1df-4b19-bce6-b6188492ff0b/resourceGroups/learn-487cff37-a82c-4105-bd2f-57389183ead9/providers/Microsoft.Network/networkSecurityGroups/my-vmNSG/securityRules/default-allow-ssh",**

**"name": "default-allow-ssh",**

"priority": 1000,

"protocol": "Tcp",

"provisioningState": "Succeeded",

"resourceGroup": "learn-487cff37-a82c-4105-bd2f-57389183ead9",

"sourceAddressPrefix": "\*",

"sourceAddressPrefixes": [],

"sourceApplicationSecurityGroups": null,

"sourcePortRange": "\*",

"sourcePortRanges": [],

"type": "Microsoft.Network/networkSecurityGroups/securityRules"

}

]

**francis@Azure:~$** **az network nsg rule list \**

**> --resource-group learn-487cff37-a82c-4105-bd2f-57389183ead9 \**

**> --nsg-name my-vmNSG \**

**> --query '[].{Name:name, Priority:priority, Port:destinationPortRange, Access:access}' \**

**> --output tabl**e

Name Priority Port Access

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

default-allow-ssh 1000 22 Allow

**francis@Azure:~$** **az network nsg rule create \**

**> --resource-group learn-487cff37-a82c-4105-bd2f-57389183ead9 \**

**> --nsg-name my-vmNSG \**

**> --name allow-http \**

**> --protocol tcp \**

**> --priority 100 \**

**> --destination-port-ranges 80 \**

**> --access Allow**

**{**

**"access": "Allow",**

**"description": null,**

**"destinationAddressPrefix": "\*",**

**"destinationAddressPrefixes": [],**

**"destinationApplicationSecurityGroups": null,**

**"destinationPortRange": "80",**

**"destinationPortRanges": [],**

**"direction": "Inbound",**

**"etag": "W/\"64794d6d-eb8e-4ef4-b564-dc6772771bfa\"",**

**"id": "/subscriptions/02dd49b6-b1df-4b19-bce6-b6188492ff0b/resourceGroups/learn-487cff37-a82c-4105-bd2f-57389183ead9/providers/Microsoft.Network/networkSecurityGroups/my-vmNSG/securityRules/allow-http",**

"name": "allow-http",

"priority": 100,

"protocol": "Tcp",

"provisioningState": "Succeeded",

"resourceGroup": "learn-487cff37-a82c-4105-bd2f-57389183ead9",

"sourceAddressPrefix": "\*",

"sourceAddressPrefixes": [],

"sourceApplicationSecurityGroups": null,

"sourcePortRange": "\*",

"sourcePortRanges": [],

"type": "Microsoft.Network/networkSecurityGroups/securityRules"

}

**francis@Azure:~$** **az network nsg rule list \**

**> --resource-group learn-487cff37-a82c-4105-bd2f-57389183ead9 \**

**> --nsg-name my-vmNSG \**

**> --query '[].{Name:name, Priority:priority, Port:destinationPortRange, Access:access}' \**

**> --output table**

Name Priority Port Access

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

default-allow-ssh 1000 22 Allow

allow-http 100 80 Allow

**francis@Azure:~$** **curl --connect-timeout 5 http://$IPADDRESS**

<html><body><h2>Welcome to Azure! My name is my-vm.</h2></body></html>

**francis@Azure:~$**

**CAPTURA DE PANTALLA**





