Acceso de red a una máquina virtual

Creación de Máquina Virtual

```
Requesting a Cloud Shell .Succeeded.
Connecting terminal...

Melcome to Azure Cloud Shell
Type "az" to use Azure ClI
Type "help" to learn about Cloud Shell

Type "ar" to use Azure ClI
Type "help" to learn about Cloud Shell

JaviergAzure:-$ az wm create

Examples from AI knowledge base:

az wm create -name HyWm --resource-group MyResourceGroup --image RedMat:RHEL:7-RAM:7.4.2018010506

Create a defails RedMat WW with automatic SSH authentication using an image URN.

az vm create -name MyWm --resource-group rg1 --image debian --assign-identity /subscriptions/9999999-1bf0-4dda-aec3-cb9272f09590/res

our ceropusy/RRS/providers/Microsoft.ManagedIdentity/userAssignedIdentities/myID

create a debian WW with a user assigned identity.

az group create --location westus --resource-group MyResourceGroup

Create a new resource group in the Nest Us region.

https://docs.microsoft.com/en-Us/cli/azure/wmfaz_vm_create

Read more about the command in reference docs

JaviergMax-microsoft.com/en-Us/cli/azure/wmfaz_vm_create

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JaviergMax-microsoft.com/en-Us/cli/azure/wmfaz_vm_create

Read more about the command in reference docs

JaviergMax-microsoft.com/en-Us/cli/azure/shv/di-sa/vm_create

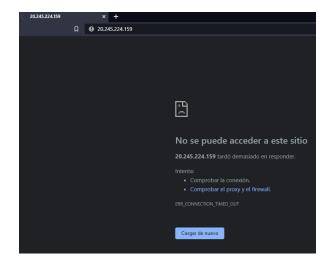
Read more about the command in reference docs

JaviergMax-microsoft.com/en-U
```

Configuración de Nginx y establecer la página principal

```
--resource-group learn-1d999c6f-e772-47de-bde8-e61fc6a105e1 \
   --vm-name my-vm \
   --name customScript \
   --publisher Microsoft.Azure.Extensions \
   --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/293caa52-ebff-42e6-9e6f-48771148aeed/resourceGroups/learn-1d999c6f-e772-47de-bde8-e61fc6a105e1/providers/Micro
oft.Compute/virtualMachines/my-vm/extensions/customScript",
"instanceView": null,
"location": "westus",
"name": "customScript",
 "protectedSettings": null,
"protectedSettingsFromKeyVault": null,
"provisioningState": "Succeeded",
 provises in Microsoft. Azure. Extensions",
"publisher": "Microsoft. Azure. Extensions",
"resourceGroup": "learn-1d999c6f-e772-47de-bde8-e61fc6a105e1",
 "settings": {
    "fileUris": [
       "https://raw.githubusercontent.com/MicrosoftDocs/mslearn-welcome-to-azure/master/configure-nginx.sh"
},
"suppressFailures": null,
suppressration es . Hour;
"tags": null,
"type": "Microsoft.Compute/virtualMachines/extensions",
"typeHandlerVersion": "2.1",
"typePropertiesType": "customScript"
```

Obtención de IP e intento de conexión



Grupo de seguridad y sus reglas

Se muestra la regla default-allow-ssh

Se leen el nombre (default-allow-ssh), su prioridad (1000) que en este caso es baja, el puerto (22) y el acceso (Allow)

Creación de una nueva regla llamada allow-http que permite el acceso Enel puerto 80

```
javier@Azure:~$ az network nsg rule create \
    --resource-group learn-1d999c6f-e772-47de-bde8-e61fc6a105e1 \
    --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/\"9538324f-00b9-4514-b906-6239cb684094\"",
"id": "/subscriptions/293caa52-ebff-42e6-9e6f-48771148aeed/resourceGroups/learn-1d999c6f-e772-47de-bde8-e61fc6a105e1/providers/Micro
 oft.Network/networkSecurityGroups/my-vmNSG/securityRules/allow-http",
   "name": "allow-http",
  "priority": 100,
"protocol": "Tcp",
   "provisioningState": "Succeeded",
  "resourceGroup": "learn-1d999c6f-e772-47de-bde8-e61fc6a105e1",
"sourceAddressPrefix": "*",
  "sourceAddressPrefixes": [],
  "sourceApplicationSecurityGroups": null,
  "sourcePortRange": "*"
  "sourcePortRanges": [],
   "type": "Microsoft.Network/networkSecurityGroups/securityRules"
javier@Azure:~$ az network nsg rule list \
    --resource-group learn-1d999c6f-e772-47de-bde8-e61fc6a105e1 \
     --nsg-name my-vmNSG \
    --query '[].{Name:name, Priority:priority, Port:destinationPortRange, Access:access}' \
--output table
                     Priority
                                   Port
                                            Access
default-allow-ssh
                     1000
                                             Allow
allow-http
                                   80
                                             Allow
```

Acceso al servidor

javier@Azure:~\$ curl --connect-timeout 5 http://\$IPADDRESS
<html><body><h2>Welcome to Azure! My name is my-vm.</h2></body></html>
iavier@Azure:~\$



Welcome to Azure! My name is my-vm.