Laboratorio IaC

Karen Paola Duran Vivas

2143597

URL del repositorio:

https://github.com/k26duran/TerraformLab

La siguiente imagen corresponde al servicio desplegado desde la consola de Azure mediante conexión ssh a la máquina virtual:

No es seguro rtdvwg.eastus.cloudapp.azure.com

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org. Commercial support is available at nginx.com.

Thank you for using nginx.

El siguiente texto corresponde al contenido del archivo terraform.tfstate:

```
"version": 4,
"terraform_version": "0.12.9",
"serial": 11,
"lineage": "73cab30f-572e-f558-9237-457b8758d623",
"outputs": {
 "vmss\_public\_ip": \{
  "value": "rtdvwg.eastus.cloudapp.azure.com",
"type": "string"
}
},
"resources": [
  "mode": "managed",
  "type": "azurerm_lb",
  "name": "vmss",
  "provider": "provider.azurerm",
  "instances": [
    "schema_version": 0,
    "attributes": {
     "frontend_ip_configuration": [
        "inbound_nat_rules": [],
        "load_balancer_rules": [],
        "name": "PublicIPAddress",
        "outbound_rules": [],
        "private_ip_address": "",
```

```
"private_ip_address_allocation": "Dynamic",
                                          "public ip address id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef 48d 33/resource Groups/Conu Terraform Lab/providers/Microsoft. Network/public IPAddresses/vmss-public-ip", and the contraction of the c
                                          "public_ip_prefix_id": "",
                                          "subnet_id": "",
                                          "zones": null
                                   }
                              ],
                                "id": "/subscriptions/5bce270c-15c2-4be1-82a2-
 675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-lb",
                               "location": "eastus",
                              "name": "vmss-lb",
                               "private_ip_address": "",
                                "private_ip_addresses": [],
                                "resource_group_name": "ConuTerraformLab",
                               "sku": "Basic",
                               "tags": {
                                     "environment": "codelab"
                         },
                          "private": "bnVsbA==",
                          "depends_on": [
                              "azurerm_public_ip.vmss",
                               "azurerm_resource_group.vmss"
         },
                 "mode": "managed",
                 "type": "azurerm_lb_backend_address_pool",
               "name": "bpepool",
                 "provider": "provider.azurerm",
                 "instances": [
                          "schema_version": 0,
                          "attributes": {
                               "backend_ip_configurations": [],
                               "id": "/subscriptions/5bce270c-15c2-4be1-82a2-
 675 ffef 48d 33/resource Groups/Conu Terra form Lab/providers/Microsoft. Network/load Balancers/vmss-lb/backend Address Pools/Back End Address Pool", and the provider of th
                               "load_balancing_rules": [],
                               "loadbalancer_id": "/subscriptions/5bce270c-15c2-4be1-82a2-
 675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-lb",
                               "location": null,
                                "name": "BackEndAddressPool",
                               "resource_group_name": "ConuTerraformLab"
                          "private": "bnVsbA==",
                          "depends_on": [
                              "azurerm_lb.vmss",
                                "azurerm_resource_group.vmss"
         },
                 "mode": "managed",
                 "type": "azurerm_lb_probe",
                 "name": "vmss",
                 "provider": "provider.azurerm",
                  "instances": [
                          "schema_version": 0,
                         "attributes": {
                               "id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef 48d 33/resource Groups/Conu Terra form Lab/providers/Microsoft. Network/load Balancers/vmss-lb/probes/ssh-running-probe", and the sum of the su
                               "interval in seconds": 15,
                               "load_balancer_rules": [],
                                "loadbalancer id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef 48d 33/resource Groups/Conu Terra form Lab/providers/Microsoft. Network/load Balancers/vmss-lb", and the sum of the sum o
```

```
"location": null,
                                     "name": "ssh-running-probe",
                                   "number_of_probes": 2,
                                     "port": 80,
                                     "protocol": "Tcp",
                                     "request_path": "",
                                     "resource_group_name": "ConuTerraformLab"
                             "private": "bnVsbA==",
                               "depends_on": [
                                   "azurerm lb.vmss",
                                   "azurerm_resource_group.vmss"
                   "mode": "managed",
                  "type": "azurerm_lb_rule",
                  "name": "lbnatrule",
                  "provider": "provider.azurerm",
                   "instances": [
                             "schema_version": 0,
                             "attributes": {
                                  "backend_address_pool_id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef 48 d 33/resource Groups/Conu Terraform Lab/providers/Microsoft. Network/load Balancers/vmss-lb/backend Address Pools/BackEnd Address Pool", and the sum of the sum of
                                     "backend_port": 80,
                                     "disable_outbound_snat": false,
                                     "enable_floating_ip": false,
                                     "frontend_ip_configuration_id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef 48d 33/resource Groups/ConuTerra form Lab/providers/Microsoft. Network/load Balancers/vmss-lb/frontend IPC on figurations/Public IPA ddress", and the sum of the first of the fi
                                     "frontend ip configuration name": "PublicIPAddress",
                                     "frontend_port": 80,
                                   "id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef 48d 33/resource Groups/ConuTerra form Lab/providers/Microsoft. Network/load Balancers/vmss-lb/load Balancing Rules/http", and the sum of the su
                                     "idle_timeout_in_minutes": 4,
                                     "load_distribution": "Default",
                                     "loadbalancer id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef48 d33/resource Groups/Conu Terra form Lab/providers/Microsoft. Network/load Balancers/vmss-lb", and the substitution of the substitutio
                                   "location": null,
                                   "name": "http",
                                     "probe id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef 48d 33/resource Groups/Conu Terraform Lab/providers/Microsoft. Network/load Balancers/vmss-lb/probes/ssh-running-probe", and the sum of the sum
                                     "protocol": "Tcp",
                                   "resource_group_name": "ConuTerraformLab"
                             "private": "bnVsbA==",
                               "depends_on": [
                                   "azurerm_lb.vmss",
                                     "azurerm_lb_backend_address_pool.bpepool",
                                  "azurerm_lb_probe.vmss",
                                     "azurerm_resource_group.vmss"
           }.
                  "mode": "managed",
                  "type": "azurerm_public_ip",
                  "name": "vmss",
                  "provider": "provider.azurerm",
                   "instances": [
                             "schema_version": 0,
                             "attributes": {
                                   "allocation method": "Static",
                                   "domain_name_label": "rtdvwg",
                                     "fqdn": "rtdvwg.eastus.cloudapp.azure.com",
```

```
"id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/publicIPAddresses/vmss-public-ip",
              "idle_timeout_in_minutes": 4,
              "ip_address": "52.170.149.114",
              "ip_version": "IPv4",
              "location": "eastus",
              "name": "vmss-public-ip",
              "public_ip_address_allocation": "Static",
              "public_ip_prefix_id": null,
              "resource_group_name": "ConuTerraformLab",
              "reverse_fqdn": "",
              "sku": "Basic",
              "tags": {
                 "environment": "codelab"
              "zones": null
           },
            "private": "bnVsbA==",
            "depends_on": [
             "azurerm_resource_group.vmss",
              "random_string.fqdn"
       "mode": "managed",
       "type": "azurerm_resource_group",
       "name": "vmss",
       "provider": "provider.azurerm",
       "instances": [
            "schema_version": 0,
           "attributes": {
              "id": "/subscriptions/5bce270c-15c2-4be1-82a2-675ffef48d33/resourceGroups/ConuTerraformLab",
             "location": "eastus",
              "name": "ConuTerraformLab",
              "tags": {
                "environment": "codelab"
             }
           },
            "private": "bnVsbA=="
    },
       "mode": "managed",
       "type": "azurerm_subnet",
       "name": "vmss",
       "provider": "provider.azurerm",
       "instances": [
            "schema_version": 0,
           "attributes": {
              "address_prefix": "10.0.2.0/24",
             "delegation": [],
              "id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef 48d 33/resource Groups/Conu Terra form Lab/providers/Microsoft. Network/virtual Networks/vmss-vnet/subnets/vmss-subnet", and the subnet of the su
              "ip_configurations": [],
              "name": "vmss-subnet",
              "network_security_group_id": "",
              "resource\_group\_name": "ConuTerraformLab",
              "route table id": "",
              "service_endpoints": null,
              "virtual_network_name": "vmss-vnet"
            "private": "bnVsbA==",
            "depends_on": [
              "azurerm_resource_group.vmss",
              "azurerm_virtual_network.vmss"
```

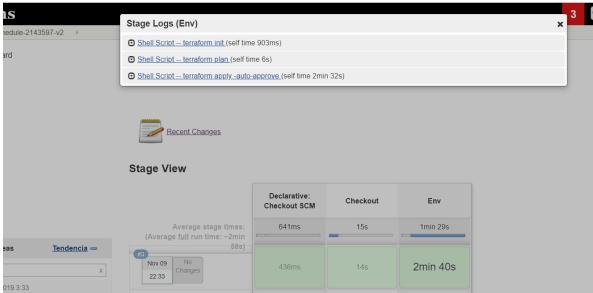
```
]
      },
            "mode": "managed",
           "type": "azurerm_virtual_machine_scale_set",
          "name": "vmss",
           "provider": "provider.azurerm",
            "instances": [
                  "schema_version": 1,
                  "attributes": {
                     "automatic_os_upgrade": false,
                     "boot_diagnostics": [],
                    "eviction_policy": "",
                     "extension": [],
                     "health_probe_id": null,
                     "id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Compute/virtualMachineScaleSets/vmscaleset",
                     "identity": [],
                     "license_type": "",
                      "location": "eastus",
                     "name": "vmscaleset",
                     "network_profile": [
                            "accelerated_networking": false,
                            "dns_settings": [
                                   "dns_servers": []
                              }
                             "ip_configuration": [
                                    "application_gateway_backend_address_pool_ids": [],
                                   "application_security_group_ids": [],
                                   "load_balancer_backend_address_pool_ids": [
                                      "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef 48d 33/resource Groups/Conu Terra form Lab/providers/Microsoft. Network/load Balancers/vmss-lb/backend Address Pools/BackEnd Pools/Ba
                                   "load_balancer_inbound_nat_rules_ids": [],
                                   "name": "IPConfiguration",
                                   "primary": true,
                                   "public_ip_address_configuration": [],
                                    "subnet_id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef 48d 33/resource Groups/Conu Terra form Lab/providers/Microsoft. Network/virtual Networks/vmss-vnet/subnets/vmss-subnet" (a.g., a.g., 
                              }
                            "ip_forwarding": false,
                            "name": "terraformnetworkprofile",
                            "network_security_group_id": "",
                            "primary": true
                    ],
                      "os_profile": [
                            "admin password": "Conu2019Lab*",
                            "admin_username": "azureuser",
                            "computer_name_prefix": "vmlab",
                            "custom_data": "I2Nsb3VkLWNvbmZpZwpwYWNrYWdlczoKLSBuZ2lueAo="
                      "os_profile_linux_config": [
                            "disable_password_authentication": false,
                            "ssh_keys": []
                        }
                      "os profile secrets": [],
                      "os_profile_windows_config": [],
```

```
"overprovision": true,
   "plan": [],
   "priority": "",
   "proximity_placement_group_id": null,
   "resource_group_name": "ConuTerraformLab",
   "rolling_upgrade_policy": [],
   "single_placement_group": true,
   "sku": [
     "capacity": 2,
     "name": "Standard_DS1_v2",
     "tier": "Standard"
  ],
   "storage_profile_data_disk": [
     "caching": "ReadWrite",
     "create_option": "Empty",
     "disk_size_gb": 10,
     "lun": 0,
     "managed_disk_type": "Standard_LRS"
  ],
   "storage_profile_image_reference": [
     "id": "",
     "offer": "UbuntuServer",
     "publisher": "Canonical",
     "sku": "16.04-LTS",
     "version": "latest"
   "storage_profile_os_disk": [
   {
     "caching": "ReadWrite",
     "create_option": "FromImage",
     "image": "",
     "managed_disk_type": "Standard_LRS",
     "name": "",
"os_type": "",
     "vhd_containers": []
  ],
   "tags": {
    "environment": "codelab"
   "upgrade_policy_mode": "Manual",
   "zones": null
 },
  "private": "eyJzY2hlbWFfdmVyc2lvbil6ljEifQ==",
  "depends_on": [
  "azurerm_lb_backend_address_pool.bpepool",
   "azurerm_resource_group.vmss",
   "azurerm_subnet.vmss"
"mode": "managed",
"type": "azurerm_virtual_network",
"name": "vmss",
"provider": "provider.azurerm",
"instances": [
 "schema_version": 0,
 "attributes": {
   "address_space": [
   "10.0.0.0/16"
  ],
```

```
"ddos\_protection\_plan": [],
                     "dns servers": null,
                     "id": "/subscriptions/5bce270c-15c2-4be1-82a2-
675 ffef48 d33/resource Groups/Conu Terra form Lab/providers/Microsoft. Network/virtual Networks/vmss-vnet", and the substitution of the substit
                      "location": "eastus",
                      "name": "vmss-vnet",
                      "resource_group_name": "ConuTerraformLab",
                     "subnet": [],
                      "tags": {
                        "environment": "codelab"
                },
                 "private": "bnVsbA==",
                  "depends_on": [
                     "azurerm_resource_group.vmss"
            }
          ]
      },
           "mode": "managed",
           "type": "random_string",
           "name": "fqdn",
           "provider": "provider.random",
           "instances": [
                 "schema_version": 1,
                "attributes": {
                     "id": "rtdvwg",
                     "keepers": null,
                     "length": 6,
                     "lower": true,
                     "min_lower": 0,
                      "min_numeric": 0,
                      "min_special": 0,
                     "min_upper": 0,
                      "number": false,
                      "override_special": null,
                      "result": "rtdvwg",
                     "special": false,
                      "upper": false
                  "private": "eyJzY2hlbWFfdmVyc2lvbil6ljEifQ=="
        ]
 ]
```

En la siguiente imagen vemos que todos los scripts fueron ejecutados de manera exitosa, y por tanto el despliegue se realizo correctamente.





Este es todo el output de la consola:

```
Running in Durability level: MAX_SURVIVABILITY
Running on Jenkins in /var/lib/jenkins/workspace/train-schedule-2143597-v2
 [Pipeline] { (Declarative: Checkout SCM)
 [Pipelinel
No credentials specified
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url <a href="https://github.com/k26duran/TerraformLab">https://github.com/k26duran/TerraformLab</a> # timeout=10
Fetching upstream changes from <a href="https://github.com/k26duran/TerraformLab">https://github.com/k26duran/TerraformLab</a> > git --version # timeout=10
> git checkout - f c4c0f16781a7bc0569d08ade9155224fbd54b461
Commit message: "Rename JenkinsConf to Jenkinsfile"
 > git rev-list --no-walk c4c0f16781a7bc0569d08ade9155224fbd54b461 # timeout=10
[Pipeline] }
 [Pipeline] // stage
 [Pipeline]
 [Pipeline] stage
No credentials specified
  > git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/k26duran/TerraformLab  # timeout=10
Fetching upstream changes from https://github.com/k26duran/TerraformLab
> git --version # timeout=10
 Spit lev passe lets/lemotes/origin/origin/master (commit) # timedutive Checking out Revision c4c0f16781a7bc0569d08ade9155224fbd54b461 (refs/remotes/origin/master) > git config core.sparsecheckout # timeout=10 > git checkout -f c4c0f16781a7bc0569d08ade9155224fbd54b461 Commit message: "Rename JenkinsConf to Jenkinsfile"
Running in /var/lib/jenkins/workspace/train-schedule-2143597-v2/ResourceGroup
+ terraform init
 [Om [1mInitializing the backend... [Om
```

```
[Om [1mInitializing provider plugins... [Om
The following providers do not have any version constraints in configuration,
 so the latest version was installed.
To prevent automatic upgrades to new major versions that may contain breaking changes, it is recommended to add version = "..." constraints to the corresponding provider blocks in configuration, with the constraint strings % \left( 1\right) =\left( 1\right) \left( 1\right
suggested below.
 * provider.azurerm: version = "~> 1.36"
   [Om [1m [32mTerraform has been successfully initialized! [Om [32m [Om
   [0m [32m
 You may now begin working with Terraform. Try running "terraform plan" to see
 any changes that are required for your infrastructure. All Terraform commands
should now work.
 If you ever set or change modules or backend configuration for Terraform.
 rerun this command to reinitialize your working directory. If you forget, other
 commands will detect it and remind you to do so if necessary. [Om
 + terraform plan
   [Om [1mRefreshing Terraform state in-memory prior to plan... [Om
              efreshed state will be used to calculate this plan, but will not be
persisted to local or remote state storage.
 [Om [lmazurerm_resource_group.rg: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-675ffef48d33/resourceGroups/ConuTerraformLab] [Om
  [0m [1m [32mNo changes. Infrastructure is up-to-date. [0m [32m
This means that Terraform did not detect any differences between your
 configuration and real physical resources that exist. As a result, no
 actions need to be performed. [Om
 + terraform apply -auto-approve
 [Om [1mazurerm_resource_group.rg: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-675ffef48d33/resourceGroups/ConuTerraformLab] [Om
   [Om [1m [32m
 Apply complete! Resources: 0 added, 0 changed, 0 destroyed. [Om
       ipeline]
 [Pipeline] // dir
 [Pipeline] // stage
  [Pipeline] { (Env)
  [Pipeline] dir
 Running in /var/lib/jenkins/workspace/train-schedule-2143597-v2/TerraformLAB
 [Pipeline] {
[Pipeline] sh
 + terraform init
   [Om [1mInitializing the backend... [Om
  [Om [1mInitializing provider plugins... [Om
The following providers do not have any version constraints in configuration,
so the latest version was installed.
To prevent automatic upgrades to new major versions that may contain breaking changes, it is recommended to add version = "..." constraints to the
 corresponding provider blocks in configuration, with the constraint strings
suggested below.
 * provider.azurerm: version = "~> 1.36"
* provider.random: version = "~> 2.2"
   [Om [1m [32mTerraform has been successfully initialized! [Om [32m [0m
   [Om [32m
You may now begin working with Terraform. Try running "terraform plan" to see
 any changes that are required for your infrastructure. All Terraform commands
 should now work.
If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary. [0m]
  [Pipelinel sh
     terraform plan
 [0m [1mRefreshing Terraform state in-memory prior to plan... [0m The refreshed state will be used to calculate this plan, but will not be
persisted to local or remote state storage.
   [Om
    [Om [1mrandom_string.fqdn: Refreshing state... [id=ljwglq] [Om
    [Om [lmazurerm_resource_group.vmss: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-
 675ffef48d33/resourceGroups/ConuTerraformLab] [Om
 [Om [1mazurerm_public_ip.vmss: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/publicIPAddresses/vmss-public-ip] [Om
 [Om [Imazurerm lb.vmss: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-lb] [Om [Om [Imazurerm_lb_backend_address_pool.bpepool: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-
 675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-
 lb/backendAddressPools/BackEndAddressPool] [0m
```

```
[Om [1mazurerm_lb_probe.vmss: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-
675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-lb/probes/ssh-running-
probe] [0m
[Om [Imazurerm_lb_rule.1bnatrule: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-
lb/loadBalancingRules/http] [0m
An execution plan has been generated and is shown below.
Resource actions are indicated with the following symbols:
   [32m+ [0m create
Terraform will perform the following actions:
 [1m # azurerm_lb.vmss [0m will be created [0m [0m
[0m [32m + [0m [0mresource "azurerm_lb" "vmss" {
                     [32m+ [0m
        = "eastus"
        [32m+ [0m [0m [1m [0mtags [0m [0m [32m+ [0m [0m"environment" = "codelab"
        [32m+ [0m [0mfrontend_ip_configuration {
            [32m+ [Om [Om [Im [Omprivate-ip_address_allocation [Om [Om = (known after apply)]]
[32m+ [Om [Om [Im [Ompublic_ip_address_id [Om [Om = (known after apply)]]
[32m+ [Om [Om [Im [Ompublic_ip_perfix_id [Om [Om = (known after apply)]]
[32m+ [Om [Om [Im [Omsubnet_id [Om [Om = (known after apply)]]]
[32m+ [Om [Om [Im [Omsubnet_id [Om [Om = (known after apply)]]]]
[32m+ [Om [Om [Im [Omsubnet_id [Om [Om = (known after apply)]]]]]
                                                                                    = (known after apply)
    }
 | 32m+ | 0m | 0m | 1m | 0mbackend 1p configurations | 0m | 0m | 0m | a test apply) | 32m+ | 0m | 0m | 1m | 0mid | 0m | 0m | e | (known after apply) | 32m+ | 0m | 0m | 1m | 0mload_balancing_rules | 0m | 0m | e | (known after apply) | 32m+ | 0m | 0m | 1m | 0mloadbalancer_id | 0m | 0m | e | (known after apply) | 32m+ | 0m | 0m | 1m | 0mname | 0m | 0m | e | BackEndAddressPool | 32m+ | 0m | 0m | 1m | 0mresource_group_name | 0m | 0m | e | "ConuTerraformLab"
        [32m+ [0m [0m [1m [0mloadbalancer_id [0m [0m [32m+ [0m [0m [1m [0mname [0m [0m [32m+ [0m [0m [1m [0mresource_group_name [0m [0m
 = (known after apply)
        = (known after apply)
                                                                               = 80
= (known after apply)
        [32m+ [0m [0m [1m [0mfrontend port [0m [0m
                     [Om [Im [Omid] Om [Om [Om [Om [Om [Om Im [Omid]] Om [Om Im [Omid]] Om [Om [Om [Om [Om [Om Im [Om]]]]]]]]]
                                                                                = (known after apply)
= (known after apply)
        [32m+ [Om
         [32m+ [0m
                                                                                = (known after apply)
= "http"
         [32m+ [0m
                     [Om [1m [Omloadbalancer_id [Om [Om
        [32m+ [0m [0m [1m [0mname [0m [0m
        [32m+ [0m [0m [1m [0mprobe_id [0m [0m
                                                                                = (known after apply)
= "tcp"
        [32m+ [0m [0m [1m [0mprotocol [0m [0m [32m+ [0m [0m [1m [0mresource_group_name [0m [0m
                                                                                 = "ConuTerraformLab"
 = "Static"
                                                                              = "ljwglq"
                                                                              = (known after apply)
        = (known after apply)
                                                                              = (known after apply)
= "IPv4"
                                                                              = "eastus"
                                                                              = "vmss-public-ip"
        [32m+ [0m [0m [1m [0mname [0m [0m
        [32m+ [0m [0m [1m [0mpublic ip address allocation [0m [0m = (known after apply)
```

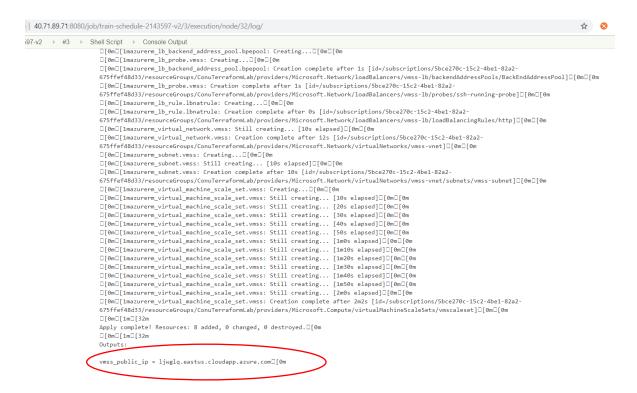
```
[32m+ [0m [0m [1m [0mresource_group_name [0m [0m
                                                                                                                                                                                                                                = "ConuTerraformLab"
= "Basic"
                     [32m+ [0m [0m [1m [0msku [0m [0m [32m+ [0m [0m [1m [0mtags [0m [0m
                        [32m+ [0m [0m"environment" = "codelab"]
 = (known after apply)
                                                                                                                                                                                                 = (known after apply)
= "vmss-subnet"
[1m # azurerm_virtual_machine_scale_set.vmss [0m will be created [0m [0m [0m [32m + [0m [0m tim [0mautomatic_os_upgrade [0m [0m = false [32m+ [0m [0m [0m [0m [0m [0m [0m in [0m [0m [0m in [0m [0m in [0m in
                     (known after apply)
                                                                                                                                                                                                             = "eastus"
                                                                                                                                                                                                        - eastus
= "vmscaleset"
= true
= "ConuTerraformLab"
                        [32m+ [0m [0m [1m [0moverprovision [0m [0m
                     [32m+ [0m [0m [1m [0mresource_group_name [0m [0m = "Cont]32m+ [0m [0m [1m [0msingle_placement_group [0m [0m = true]
                     [32m+ [0m [0m [1m [0mtags [0m [0m [32m+ [0m [0m"environment" = "codelab"
                     [32m+ [0m [0m [1m [0mupgrade policy mode [0m [0m = "Manual"
                     [32m+ [0m [0midentity {
                                   \begin{bmatrix} 32m + [0m & [0m & [1m & [0midentity ids & [0m & [0m = (known after apply)] \\ 32m + [0m & [0m & [1m & [0mprincipal id & [0m & [0m = (known after apply)] \\ 32m + [0m & [0m & [1m & [0mtype & [0m & [0m & = (known after apply)] \\ \end{bmatrix} 
                     [32m+ [0m [0mnetwork_profile {
                                  [32m+ [0m [0m [1m [0mip_forwarding [0m [0m = false [32m+ [0m [0m [1m [0mname [0m [0m = "terra
                                   [32m+ [0m [0mip_configuration {
                                                [32m+ [Om [Om [Om In Grant or and the content of the content or and th
                                                                                                                                                                                                                                                                                                                       = (known after apply)
                                                                                                                                                                                                                                                                                                                       = (known after apply)
= "IPConfiguration"
                                                                                                                                                                                                                                                                                                                         = true
                                                 [32m+ [0m [0m [1m [0msubnet_id [0m [0m
                                                                                                                                                                                                                                                                                                                        = (known after apply)
                     [32m+ [0m [0mos_profile {
                                   [32m+ [0m [0m [1m [0madmin_password [0m [0m = (sensitive value) [32m+ [0m [0m [1m [0madmin_username [0m [0m = "azureuser" [32m+ [0m [0m [0m [1m [0mcomputer_name_prefix [0m [0m = "vmlab"]
                                                                                                                                                                                                                  = "ddccb6bd872542b222904bbdf4ee81ee8dfdecc5"
                                   [32m+ [0m [0m [1m [0mcustom_data [0m [0m
                     [32m+ [0m [0mos_profile_linux_config {
                                [32m+ [0m [0m [1m [0mdisable_password_authentication [0m [0m = false
                     [32m+ [0m [0msku {
                                  [32m+ [0m [0m [1m [0mcapacity [0m [0m = 2]]
[32m+ [0m [0m [1m [0mname [0m [0m = "Standard_DS1_v2"]
[32m+ [0m [0m [0m [0m [0m = "Standard"]"]
                     [32m+ [0m [0mstorage_profile_data_disk {
                                  = "ReadWrite"
                                    [32m+ [0m [0m [1m [0mmanaged_disk_type [0m [0m = (known after apply)
                    [32m+ [0m [0mstorage_profile_image_reference {
    [32m+ [0m [0m [1m [0moffer [0m [0m = "UbuntuServer" [32m+ [0m [0m [1m [0mpublisher [0m [0m = "Canonical" [32m+ [0m [0m [1m [0msku [0m [0m = "16.04-LTS" [32m+ [0m [0m [0m [0m [0m [0m = "latest"] ] ] ] ] ] ] ] ]
                    [32m+ [0m [0mstorage_profile_os_disk {
        [32m+ [0m [0m [1m [0mcaching [0m [0m = "ReadWrite" |
        [32m+ [0m [0m [1m [0mcreate_option [0m [0m = "FromImage" |
        [32m+ [0m [0m [1m [0mnanaged_disk_type [0m [0m = "Standard_LRS" |
        [32m+ [0m [0m [1m [0mvhd_containers [0m [0m = []]
```

[1m # azurerm virtual network.vmss [0m will be created [0m [0m

```
[Om [32m + [Om [Omresource "azurerm_virtual_network" "vmss" {
           [32m+ [0m [0m [1m [0maddress space [0m [0m [32m+ [0m [0m"10.0.0.0/16",
                                                                                               = (known after apply)
            [32m+ [0m
                             [Om [1m [Omid [Om [Om
            = "eastus"
= "vmss-vnet
             [32m+ [0m [0m [1m [0mresource_group_name [0m [0m = "ConuTerraformLab"
                  m+ [0m [0m [1m [0mtags [0m [0m [32m+ [0m [0m"environment" = "codelab"
            [32m+ [0m
            [32m+ [0m [0msubnet {
                  [32m+ [Om [Om [1m [0maddress_prefix [0m [0m = (known after apply)]]]]]
[32m+ [Om [0m [1m [0mid [0m [0m = (known after apply)]]]]]]
[32m+ [0m [0m [1m [0mname [0m [0m = (known after apply)]]]]]]]]]
                   [32m+ [0m [0m [1m [0msecurity_group [0m [0m = (known after apply)
  [Om [1mPlan: [Om 8 to add, 0 to change, 0 to destroy. [Om
Note: You didn't specify an "-out" parameter to save this plan, so Terraform can't guarantee that exactly these actions will be performed if "terraform apply" is subsequently run.
 + terraform apply -auto-approve
  [Om [1mrandom string.fqdn: Refreshing state... [id=ljwglq] [Om
   [Om [1mazurerm_resource_group.vmss: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-
675ffef48d33/resourceGroups/ConuTerraformLab] [Om [Om [1mazurerm_public_ip.vmss: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-
675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/publicIPAddresses/vmss-public-ip] [0m [0m [1mazurerm_lb.vmss: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-lb] [0m
  [Om [1mazurerm_lb_backend_address_pool.bpepool: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-
 675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss
675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-lb/probes/ssh-running-
probe] [0m
[0m [lmazurerm_lb_rule.1bnatrule: Refreshing state... [id=/subscriptions/5bce270c-15c2-4be1-82a2-675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-
 lb/loadBalancingRules/http] [0m
[Om [1mazurerm lb.vmss: Creating... [Om [0m [0m fmazurerm lb.vmss: Creation complete after 0s [id=/subscriptions/5bce270c-15c2-4be1-82a2-
 675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-lb] [0m [0m
  [Om [1mazurerm_lb_backend_address_pool.bpepool: Creating... [Om [Om [0m [1mazurerm_lb_probe.vmss: Creating... [Om [0m
  [Om [1mazurerm_lb_backend_address_pool.bpepool: Creation complete after 1s [id=/subscriptions/5bce270c-15c2-4be1-82a2-75ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-
 lb/backendAddressPools/BackEndAddressPool] [0m [0m
  [Om [1mazurerm_lb_probe.vmss: Creation complete after 1s [id=/subscriptions/5bce270c-15c2-4be1-82a2-
 675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/loadBalancers/vmss-lb/probes/ssh-running-
lb/loadBalancingRules/http] [0m [0m
  [Om [1mazurerm_virtual_network.vmss: Still creating... [10s elapsed] [Om [Om [0m [1mazurerm_virtual_network.vmss: Creation complete after 12s [id=/subscriptions/5bce270c-15c2-4be1-82a2-
675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/virtualNetworks/vmss-vnet] [0m [0m
  [Om [1mazurerm subnet.vmss: Creating... [Om [Om
[Om [Imazurerm_subnet.vmss: Still creating... [10s elapsed] [Om [Om [Om [Imazurerm_subnet.vmss: Creation complete after 10s [id=/subscriptions/5bce270c-15c2-4be1-82a2-675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Network/virtualNetworks/vmss-vnet/subnets/vmss-
 subnet1 [Om [Om
  [Om [1mazurerm_virtual_machine_scale_set.vmss: Creating... [Om [Om
  [Om [Imazurerm virtual machine scale set.vmss: Still creating... [10s elapsed] [Om [Om [Om [Imazurerm virtual machine scale set.vmss: Still creating... [20s elapsed] [Om [Om [Om [Imazurerm virtual machine scale set.vmss: Still creating... [30s elapsed] [Om [Om [Om [Imazurerm virtual machine scale set.vmss: Still creating... [40s elapsed] [Om [Om [Om [Imazurerm virtual machine scale set.vmss: Still creating... [40s elapsed] [Om [Om [Om [Imazurerm virtual machine scale set.vmss: Still creating... [50s elapsed] [Om [Om [Om [Imazurerm virtual machine scale set.vmss: Still creating... [50s elapsed] [Om [Om [Om [Imazurerm virtual machine scale set.vmss: Still creating...]
[Om [lmazurerm_virtual_machine_scale_set.wmss: Still creating... [50s elapsed] [Om [Om [Om [Om [Om Imazurerm_virtual_machine_scale_set.wmss: Still creating... [1m0s elapsed] [Om [Om [Om [Om Imazurerm_virtual_machine_scale_set.wmss: Still creating... [1m10s elapsed] [Om [Om [Om [Om Imazurerm_virtual_machine_scale_set.wmss: Still creating... [1m20s elapsed] [Om [Om [Om [Om Imazurerm_virtual_machine_scale_set.wmss: Still creating... [1m30s elapsed] [Om [Om [Om [Om Imazurerm_virtual_machine_scale_set.wmss: Still creating... [1m40s elapsed] [Om [Om [Om [Om Imazurerm_virtual_machine_scale_set.wmss: Still creating... [1m50s elapsed] [Om [Om [Om Imazurerm_virtual_machine_scale_set.wmss: Still creating... [2m0s elapsed] [Om [Om [Om [Om Imazurerm_virtual_machine_scale_set.wmss: Creation_complete_after_2m2s [id=/subscriptions/5bce270c-15c2-4be1-82a2-675ffef48d33/resourceGroups/ConuTerraformLab/providers/Microsoft.Compute/virtualMachineScaleSets/vmscaleset] [Om [Om [Om [Om Imazurerm_virtual_machine_scale_set.wms]]]]
  [Om [1m [32m
Apply complete! Resources: 8 added, 0 changed, 0 destroyed. [Om
   [Om [1m [32m
Outputs:
vmss_public_ip = ljwglq.eastus.cloudapp.azure.com [0m
```

```
[Pipeline] // dir
[Pipeline] }
[Pipeline] // stage
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] // node
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

La siguiente imagen muestra la parte del output en donde se encuentra la URL del recurso creado:



Probamos la URL:

No es seguro | ljwglq.eastus.cloudapp.azure.com

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to <u>nginx.org</u>. Commercial support is available at <u>nginx.com</u>.

Thank you for using nginx.

Imagen del Resource Group:

