JSON

{

"name": "20.56.32.123",

"id": "/subscriptions/83282bd3-3a4f-40b5-b38c-c279cccf992d/resourceGroups/Lab4/providers/Microsoft.Network/publicIPAddresses/20.56.32.123",

"etag": "W/\"56b4d944-691f-4bd3-bdac-92ed7e95b881\"",

"location": "northeurope",

"properties": {

"provisioningState": "Updating",

"resourceGuid": "815ccf2b-4a81-46df-94ca-5317dbd613e3",

"publicIPAddressVersion": "IPv4",

"publicIPAllocationMethod": "Dynamic",

"idleTimeoutInMinutes": 4,

"ipTags": []

},

"type": "Microsoft.Network/publicIPAddresses",

"sku": {

"name": "Basic",

"tier": "Regional"

}

}

HTTPS

azure-asyncnotification: Enabled

azure-asyncoperation: https://management.azure.com/subscriptions/83282bd3-3a4f-40b5-b38c-c279cccf992d/providers/Microsoft.Network/locations/northeurope/operations/27ec2925-2279-4014-aeef-76887b606e04?api-version=2023-05-01

cache-control: no-cache

content-length: 530

content-type: application/json; charset=utf-8

date: Thu, 16 Nov 2023 16:35:54 GMT

expires: -1

pragma: no-cache

retry-after: 1

server: Microsoft-HTTPAPI/2.0, Microsoft-HTTPAPI/2.0

strict-transport-security: max-age=31536000; includeSubDomains

x-ms-arm-service-request-id: d4256bfb-7f58-440b-9e29-9dde182862ba

x-ms-correlation-request-id: 5456826e-2b83-41d7-ae0a-837e6022c520

x-ms-ratelimit-remaining-subscription-writes: 1199

x-ms-request-id: 27ec2925-2279-4014-aeef-76887b606e04

x-ms-routing-request-id: NORTHEUROPE:20231116T163554Z:5456826e-2b83-41d7-ae0a-837e6022c520

A screenshot of a computer

Description automatically generated

PYTHON CREATE public IP address

from azure.identity import DefaultAzureCredential

from azure.mgmt.network import NetworkManagementClient

"""

# PREREQUISITES

pip install azure-identity

pip install azure-mgmt-network

# USAGE

python public\_ip\_address\_create\_customized\_values.py

Before run the sample, please set the values of the client ID, tenant ID and client secret

of the AAD application as environment variables: AZURE\_CLIENT\_ID, AZURE\_TENANT\_ID,

AZURE\_CLIENT\_SECRET. For more info about how to get the value, please see:

https://docs.microsoft.com/azure/active-directory/develop/howto-create-service-principal-portal

"""

def main():

client = NetworkManagementClient(

credential=DefaultAzureCredential(),

subscription\_id="subid",

)

response = client.public\_ip\_addresses.begin\_create\_or\_update(

resource\_group\_name="rg1",

public\_ip\_address\_name="test-ip",

parameters={

"location": "eastus",

"properties": {

"idleTimeoutInMinutes": 10,

"publicIPAddressVersion": "IPv4",

"publicIPAllocationMethod": "Static",

},

"sku": {"name": "Standard", "tier": "Global"},

},

).result()

print(response)

# x-ms-original-file: specification/network/resource-manager/Microsoft.Network/stable/2023-05-01/examples/PublicIpAddressCreateCustomizedValues.json

if \_\_name\_\_ == "\_\_main\_\_":

main()

{

"properties": {

"enableAcceleratedNetworking": true,

"disableTcpStateTracking": true,

"ipConfigurations": [

{

"name": "ipconfig1",

"properties": {

"publicIPAddress": {

"id": "/subscriptions/subid/resourceGroups/rg1/providers/Microsoft.Network/publicIPAddresses/test-ip"

},

"subnet": {

"id": "/subscriptions/subid/resourceGroups/rg1/providers/Microsoft.Network/virtualNetworks/rg1-vnet/subnets/default"

}

}

}

]

},

"location": "northeurope"

}

A screenshot of a computer

Description automatically generated

{

"properties": {

"enableAcceleratedNetworking": true,

"disableTcpStateTracking": true,

"ipConfigurations": [

{

"name": "ipconfig1",

"properties": {

"publicIPAddress": {

"id": "/subscriptions/83282bd3-3a4f-40b5-b38c-c279cccf992d/resourceGroups/Try3/providers/Microsoft.Network/publicIPAddresses/ip4"

},

"subnet": {

"id": "/subscriptions/83282bd3-3a4f-40b5-b38c-c279cccf992d/resourceGroups/Try3/providers/Microsoft.Network/virtualNetworks/Try3-1-vnet/subnets/default"

}

}

}

]

},

"location": "westeurope"

}

A close-up of a computer screen

Description automatically generated

{

"id": "/subscriptions/83282bd3-3a4f-40b5-b38c-c279cccf992d/resourceGroups/Try3/ providers/Microsoft.Compute/virtualMachines/Try3",

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

"properties": {

"osProfile": {

"adminUsername": "paul",

"secrets": [

],

"computerName": "Try3",

"linuxConfiguration": {

"ssh": {

"publicKeys": [

{

"path": "/home/paul/.ssh/authorized\_keys",

"keyData": "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCsxP2gmr2VhefmSeB07WtVpOP3IquuVmGgx23jjW7i hA+rJjsUnEA/ uf5a9Qr5tvA3fDlaADTKOn8A54j2KVut1My4soro4YL5ziyiIYjzcn9CCI7EUscB41f1vNQqGuhvJot2 UB4mKRLDgJgtCUzM5jm5Su32yJQa1Zybl9uxyU/ BFnK3JFiynoMl30ADbZYBz6owc4+yFJDy46l0SiAiOJRKlPQmrH10YMnWQyiFrON07b2RJRyPr80 QXt9t+ynWGwJeO5nv1WQZirNVuzze1yWCQtQ8L3ySFSj9LA3Xw2n34NEWUvK6PMGmJf1+Fnx jVzC6KxExKkglXXfcv8N9 paul@paul "

}

]

},

"disablePasswordAuthentication": true

}

},

"networkProfile": {

"networkInterfaces": [

{

"id": "/subscriptions/83282bd3-3a4f-40b5-b38c-c279cccf992d/resourceGroups/Try3/providers/Microsoft.Network/networkInterfaces/try3266\_z3",

"properties": {

"primary": true

}

}

]

},

"storageProfile": {

"imageReference": {

"sku": "20.04-LTS",

"publisher": "Canonical",

"version": "latest",

"offer": "UbuntuServer"

},

"dataDisks": [

]

},

"hardwareProfile": {

"vmSize": "Standard\_D1\_v2"

},

"provisioningState": "Creating"

},

"name": "Try3",

"location": "westeurope"

}