

# Python create gateway

```
Clone this repo (git clone https://github.com/netfoundry/mop.git)
1. Update [Resource yaml](../api/python/etc/nf_resources.yml) file with the
desired options to feed into the wrapper script as described
in the following code snippet.
[All Resource.yml Options](README.md)
1. Run this from the root folder to create GW in NF Console UI and Azure.
``` python
python3 quickstarts/docs/api/python/source/netfoundry/nf_resources.py --file
quickstarts/docs/api/python/etc/nf_resources.yml
```
```

Required Configuration Parameters for Gateway Creation

```
``` yaml
environment: production
network_action: get
network_name: DemoNet01
gateway_list:
- action: create
  cloud: azure
  count: 1
  names: []
  region: westus
  regionalCidr: [10.20.10.0/24]
  regkeys: []
  resourceGroup:
    name: demoPythonTerraform01
    region: centralus
  tag: TerraformDemo
terraform:
  bin: terraform
  output: 'no'
  source: ./quickstarts/docs/terraform
  work_dir: .
```
```

1. After the script is run successfully, one can see that the gateway name and registration key were saved in Resource.yml file. The name is created automatically based on region and gateway type joined with x and gateway count (AZCPEGW means an azure type gateway in NF console). One can create more than one gateway in the same region by increasing the count to more than 1.

```
``` yaml
environment: production
gateway_list:
- action: create
  cloud: azure
```

```
count: 1
names:
- AZCPEGWx0xWESTUS
region: westus
regionalCidr:
- 10.20.10.0/24
regkeys:
- 21DB86724EC3F31C11C1C9D68CE5ECD6A06F057E
resourceGroup:
  name: demoPythonTerraform01
  region: centralus
tag: TerraformDemo
network_action: get
network_name: DemoNet01
terraform:
  bin: terraform
  output: 'no'
  source: ./quickstarts/docs/terraform
  work_dir: .
...


```