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Ativ - Balanceamento de cargas - Webservices

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Instances

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Instances (1/3) Info

Find instance by attribute or tag (case-sensitive)

All states

Instance state: running

Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
maquinaMPI0...	i-05a704787abd9b37d	Running	t2.micro	2/2 checks passed	View alarms	us-east-1e	ec2-34-232-71-62.com...	34.232.71.62	-
mpi 2	i-0ec8eeacc3b9e78df	Running	t2.micro	2/2 checks passed	View alarms	us-east-1b	ec2-54-197-200-25.co...	54.197.200.25	-
mpi 3	i-0527e397f799d40f3	Running	t2.micro	2/2 checks passed	View alarms	us-east-1d	ec2-98-81-225-136.co...	98.81.225.136	-

i-05a704787abd9b37d (maquinaMPI06N11)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary Info

IP balanceador:

Instance summary for i-05a704787abd9b37d (maquinaMPI06N11) Info

Updated less than a minute ago

Connect

Instance state

Actions

Instance ID

i-05a704787abd9b37d (maquinaMPI06N11)

Public IPv4 address

34.232.71.62 | open address

Private IPv4 addresses

172.31.48.181

IP webserver:

1

Instance summary for i-0ec8eeacc3b9e78df (mpi 2) Info

Updated 5 minutes ago

Connect

Instance state

Actions

Instance ID

i-0ec8eeacc3b9e78df (mpi 2)

Public IPv4 address

54.197.200.25 | open address

Private IPv4 addresses

172.31.95.197

2

Instance summary for i-0527e397f799d40f3 (mpi 3) Info

Updated 5 minutes ago

Connect

Instance state

Actions

Instance ID

i-0527e397f799d40f3 (mpi 3)

Public IPv4 address

98.81.225.136 | open address

Private IPv4 addresses

172.31.44.77

Configuração do balanceador:

```
GNU nano 7.2
upstream backend {
    server 172.31.95.197:5000;
    server 172.31.44.77:5000;
}

server {
    listen 80;
    server_name 34.232.71.62;

    location / {
        proxy_pass http://backend/;
    }
}
```

Código dos webservers:

```
ubuntu@webserver1-Ricardo-10409972:~$ nano ~/app.py
ubuntu@webserver1-Ricardo-10409972:~$ python3 app.py
GNU nano 7.2
from flask import Flask
app = Flask(__name__)

@app.route("/<amount>")
def convert(amount):
    received_value = float(amount)
    usd_value = received_value / 5.48
    eur_value = received_value / 6.02
    json_response = {
        "conversion": {
            "amount_in_brl": received_value,
            "amount_in_usd": usd_value,
            "amount_in_eur": eur_value,
            "source": "server 1"
        }
    }
    return json_response

if __name__ == "__main__":
    app.run(host="0.0.0.0")
```

```
Press ENTER to quit
GNU nano 7.2
from flask import Flask
app = Flask(__name__)

@app.route("/<amount>")
def convert(amount):
    received_value = float(amount)
    usd_value = received_value / 5.48
    eur_value = received_value / 6.02
    json_response = {
        "conversion": {
            "amount_in_brl": received_value,
            "amount_in_usd": usd_value,
            "amount_in_eur": eur_value,
            "source": "server 2"
        }
    }
    return json_response

if __name__ == "__main__":
    app.run(host="0.0.0.0")
```

Navegador:

