

Kit-U

Roteiro 2

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Check-point1:

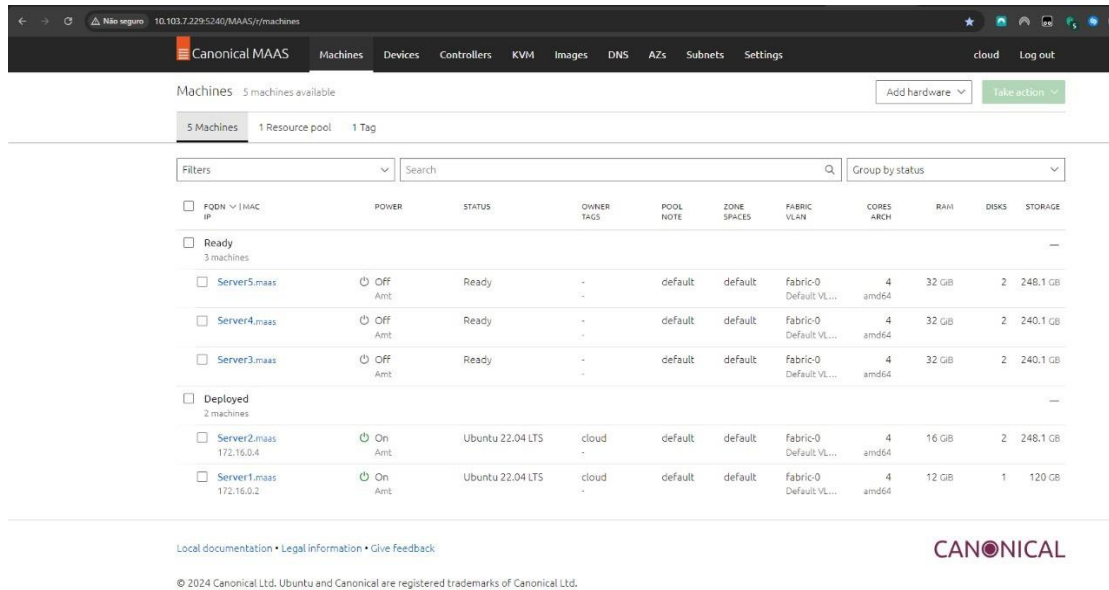


Figura 1 Dashboard do MAAS com as 2 máquinas

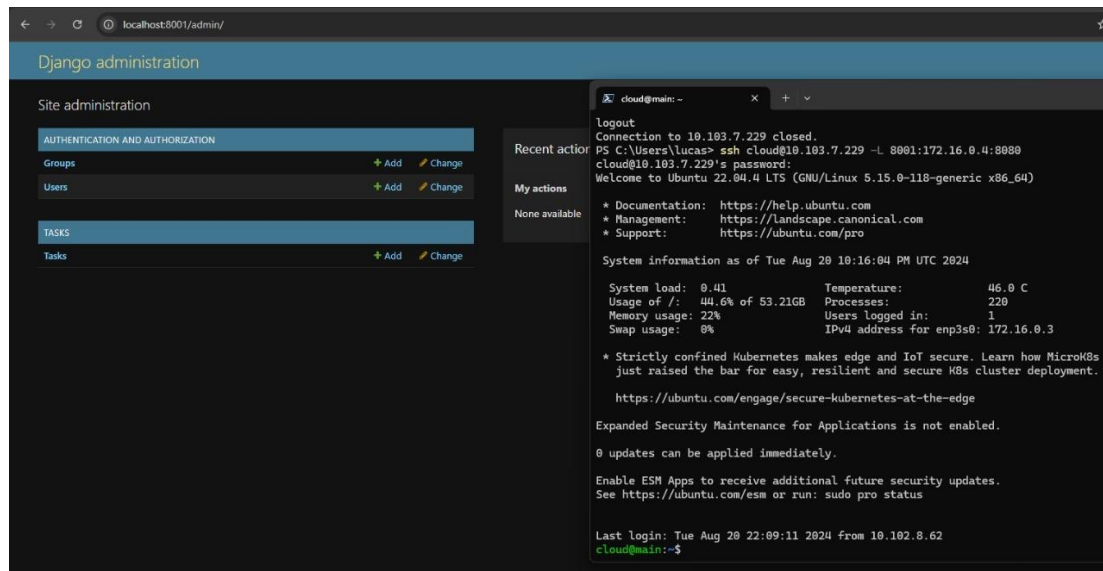


Figura 2 Painel Django acessado via tunelamento

Explique como foi feita a implementação manual da aplicação Django e banco de dados.

Fazer toda a conexão com o MAAS e logar no MAAS, para poder conectar à máquina e realizar seu deploy. Depois, fazer git clone e install para deixar o ambiente django pronto para o seu uso.

Check-point2:

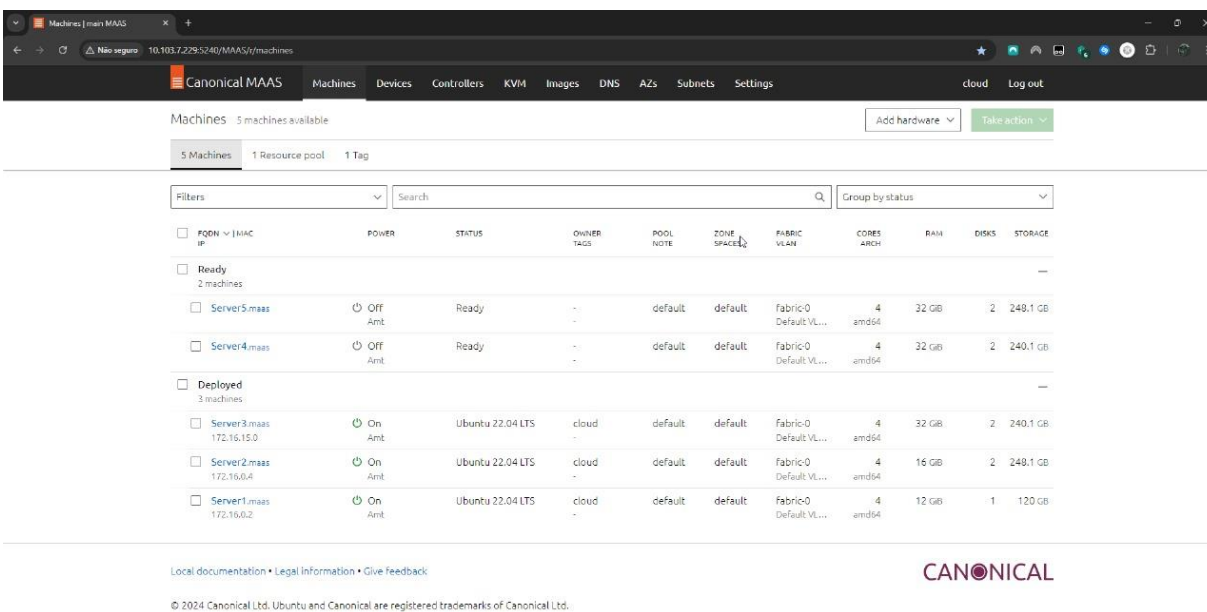


Figura 3 Dashboard do MAAS com as 3 máquinas

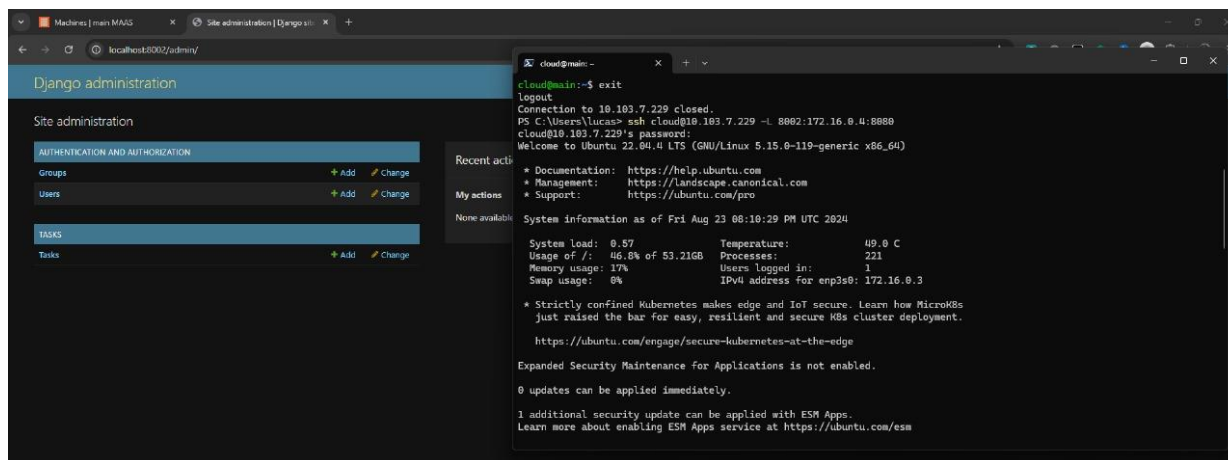


Figura 4 Aplicação Django provando que está conectado ao Server 2

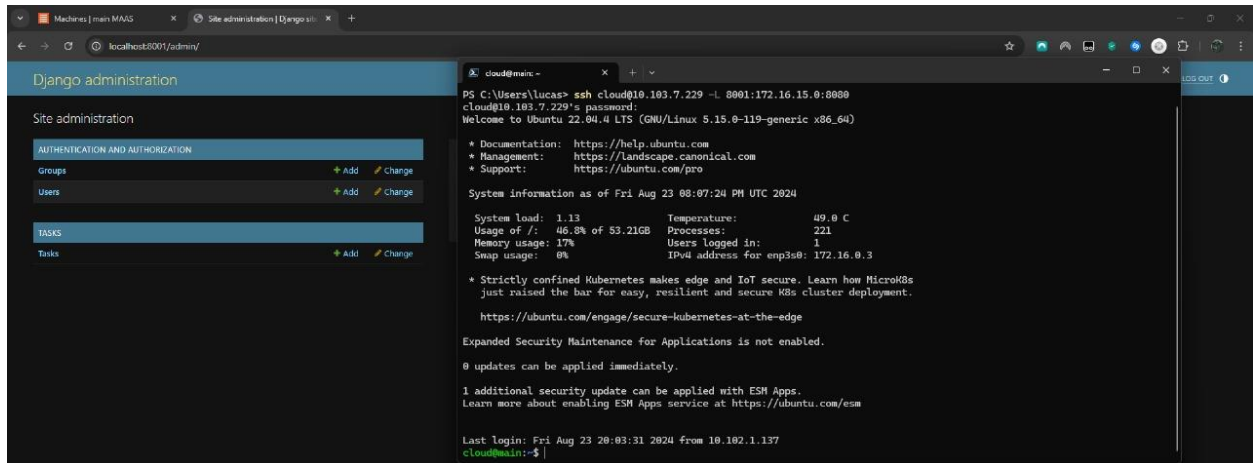


Figura 5 Aplicação Django provando que está conectado ao Server 3

Explique qual a diferença entre instalar manualmente a aplicação Django e utilizando o Ansible.

A diferença é que, com o deploy feito no server, pode-se usar o Ansible para preparar o ambiente para a aplicação do django.

Check-point3:

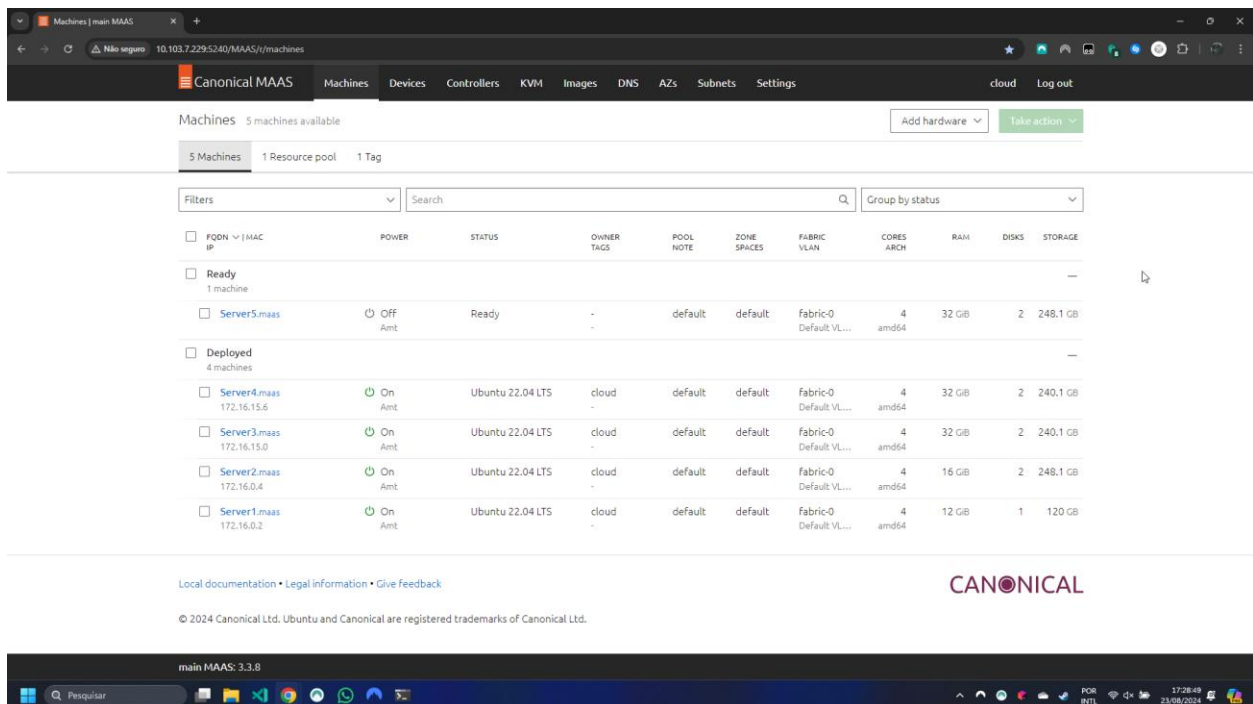
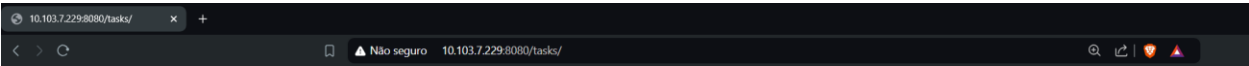


Figura 6 Dashboard do MAAS com as 4 máquinas



Hello, world! We are now on the Server2!

Figura 7 Resposta do request conectado ao Server2



Hello, world!! We all hate the django application and are in the Server 3.

Figura 8 Resposta do request conectado ao Server3

Check-point4:

Machines | main MAAS

10.103.7.229:5240/MAAS/r/machines

cloudLog out

Canonical MAAS

Machines

Devices

Controllers

KVM

Images

DNS

AZs

Subnets

Settings

Machines

5 machines available

Add hardware

Take action

5 Machines

1 Resource pool

1 Tag

Filters

Search

Group by status

FQDN | IP

POWER

STATUS

OWNER TAGS

POOL NOTE

ZONE SPACES

FABRIC VLAN

CORES ARCH

RAM

DISKS

STORAGE

Ready

2 machines

Server5.maas

On

Amt

Ready

-

default

default

fabric-0

Default VL...

4

amd64

32 GiB

2

248.1 GiB

Server4.maas

Off

Amt

Ready

-

default

default

fabric-0

Default VL...

4

amd64

32 GiB

2

240.1 GiB

Deployed

3 machines

Server3.maas

172.16.0.19

On

Amt

Ubuntu 20.04 LTS

cloud

-

default

default

fabric-0

Default VL...

4

amd64

32 GiB

2

240.1 GiB

Server2.maas

172.16.0.18

On

Amt

Ubuntu 22.04 LTS

cloud

-

default

default

fabric-0

Default VL...

4

amd64

16 GiB

2

248.1 GiB

Server1.maas

172.16.0.17

On

Amt

Ubuntu 22.04 LTS

cloud

-

default

default

fabric-0

Default VL...

4

amd64

12 GiB

1

120 GiB

Local documentation

Legal information

Give feedback

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main MAAS: 3.3.8

Figura 9 Dashboard do MAAS com as máquinas e seus respectivos IPs

```
cloud@main: ~/grafana
cloud@main: ~
cloud@main:~/grafana$ juju status
Model      Controller  Cloud/Region  Version  SLA          Timestamp
openstack  maas-controller  maas-one/default  3.1.9    unsupported  18:03:08Z

App          Version  Status  Scale  Charm          Channel  Rev  Exposed  Message
grafana      0.0.0    active  1      grafana        0.0.0    0    no      Ready
prometheus2  0.0.0    active  1      prometheus2    0.0.0    0    no      Ready

Unit          Workload  Agent  Machine  Public address  Ports          Message
grafana/0*    active    idle   1         172.16.0.19     3000/tcp      Ready
prometheus2/0* active    idle   0         172.16.0.18     9090,12321/tcp Ready

Machine  State  Address      Inst id  Base           AZ          Message
0         started 172.16.0.18  Server2  ubuntu@22.04   default    Deployed
1         started 172.16.0.19  Server3  ubuntu@20.04   default    Deployed
cloud@main:~/grafana$
```

Figura 10 Comando “juju status” com o Grafana ativo

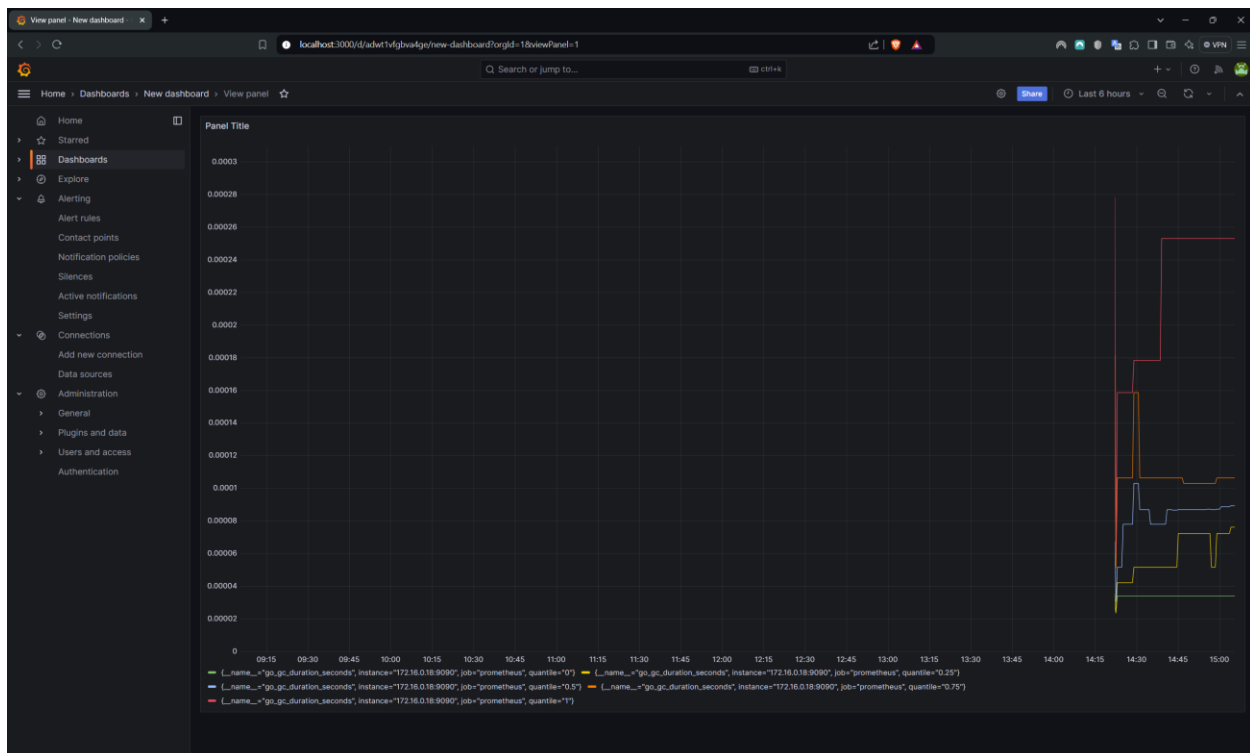


Figura 11 Dashboard do Grafana com o Prometheus aparecendo como source

```
cloud@main: ~/grafana  cloud@main: ~
PowerShell 7.4.5
PS C:\Users\lucas> ssh cloud -L 3000:172.16.0.19:3000
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 5.15.0-119-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Sep  3 05:55:52 PM UTC 2024

System load:  0.16           Temperature:   45.0 C
Usage of /:   47.1% of 53.21GB Processes:      216
Memory usage: 18%           Users logged in: 1
Swap usage:   0%            IPv4 address for enp3s0: 172.16.0.3

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

1 additional security update can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm

New release '24.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Sep  3 17:51:10 2024 from 192.168.160.124
cloud@main:~$
```

Figura 12 Comando do tunelamento com o Grafana