Máquina Virtual Ubuntu 18 Server

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Roteiro da Apresentação

1. 1- VirtualBox
2. 2- Criando a máquina virtual Linux Ubuntu 18
3. 3- Instalação do Linux Ubuntu 18
4. 4- Configuração de Rede no Linux Ubuntu 18

1.1- VirtualBox

- Pode ser baixado livremente em www.virtualbox.org (Innotek/Sun/Oracle)
- VirtualBox Open Source Edition (OSE),
  Versão inteiramente livre, que tem todo o código-fonte disponível e pode ser usada dentro dos termos da GPL. Esta é a distribuição que é incluída nos repositórios das distribuições, que pode ser instalada diretamente usando o gerenciador de pacotes.
- VirtualBox Personal Use and Evaluation License (PUEL)
  Inclui alguns componentes proprietários e é distribuída através de uma licença específica (inclusão do suporte a USB).

1.2- Instalação

- Windows
  Baixar e instalar o arquivo executável
- Linux
  Synaptic ou usando o *apt-get install virtualbox-ose* no Terminal
  Após a instalação, o ícone para o VirtualBox é criado em: Aplicações → Ferramentas do Sistema

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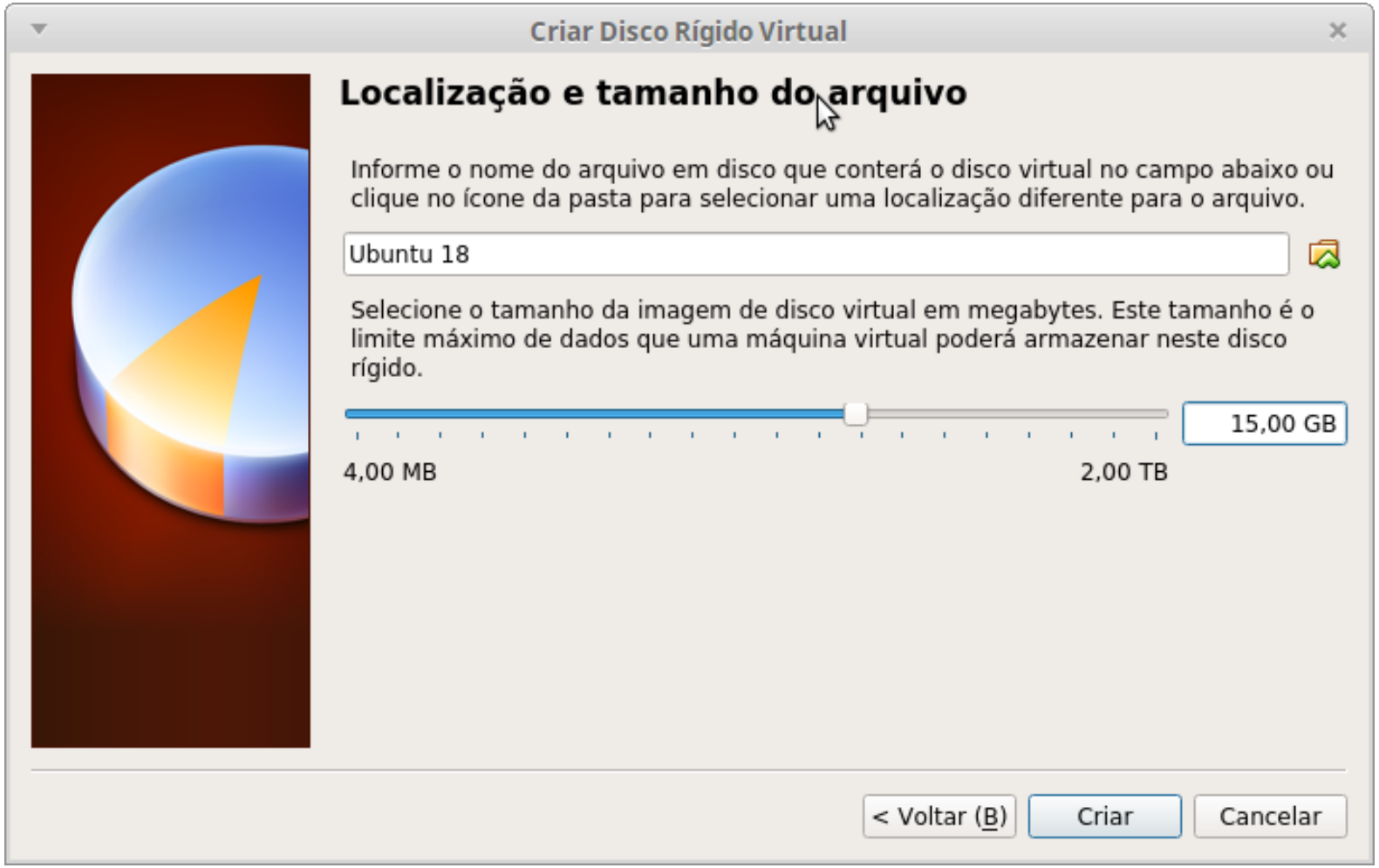

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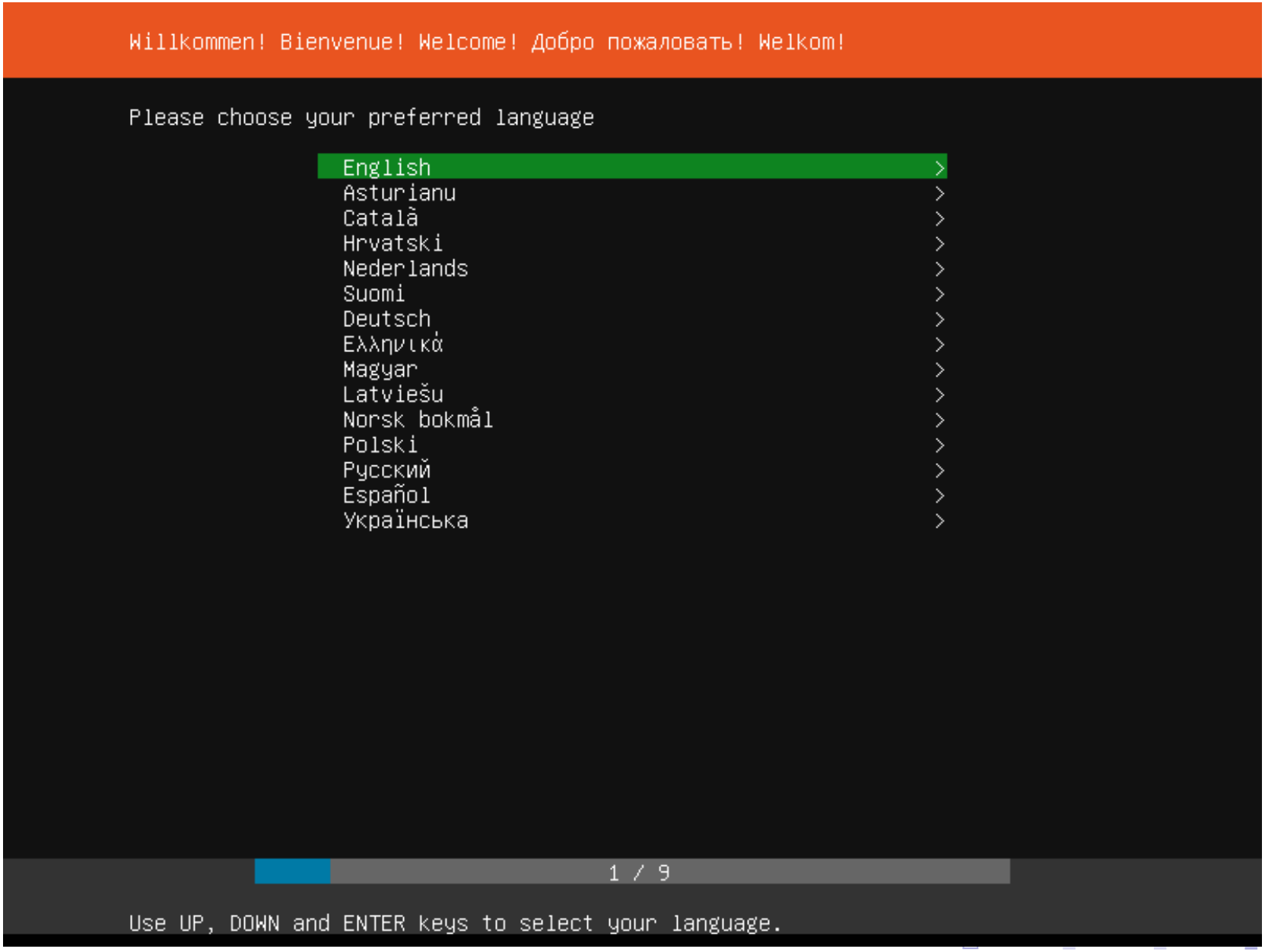

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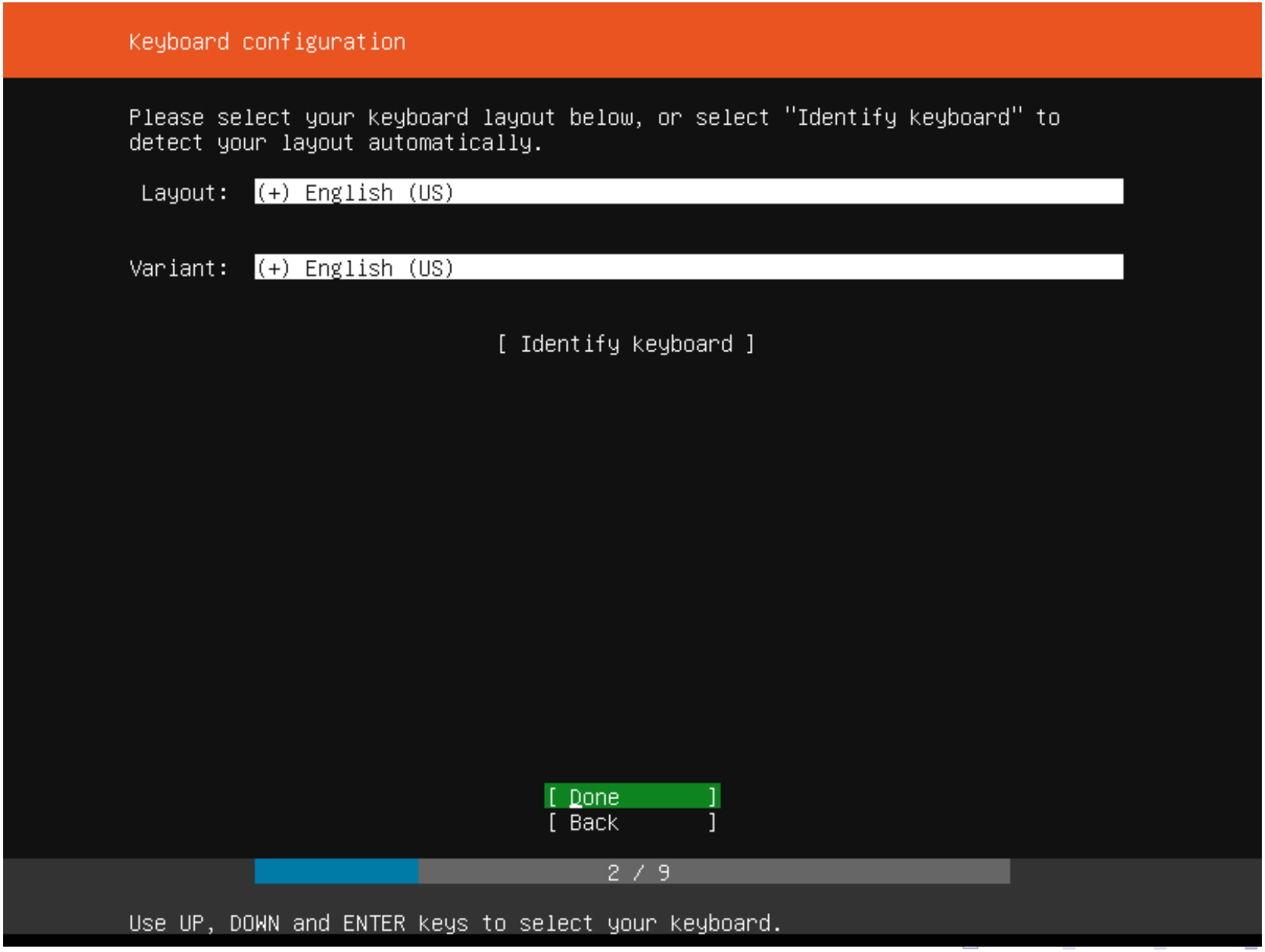

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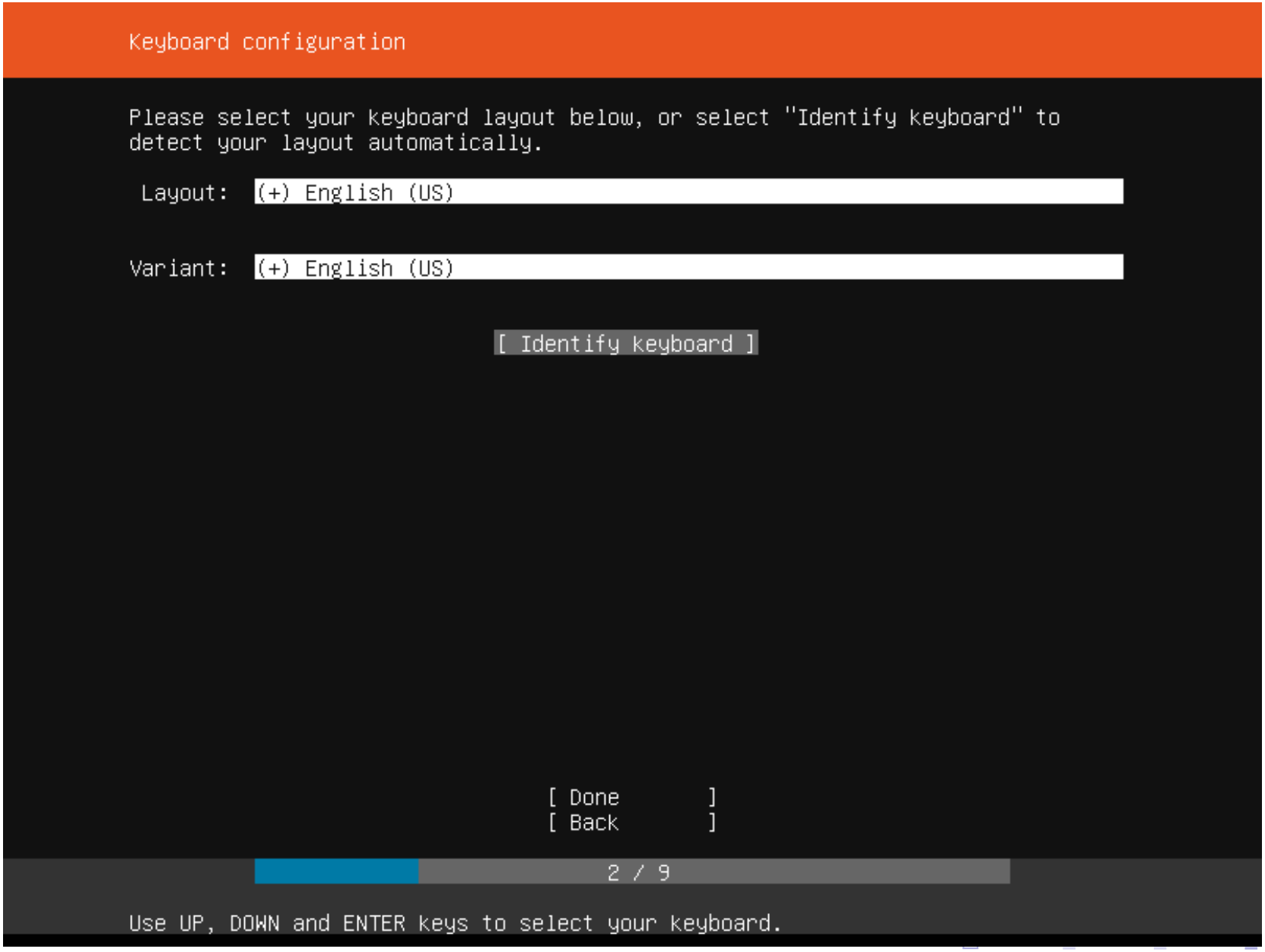

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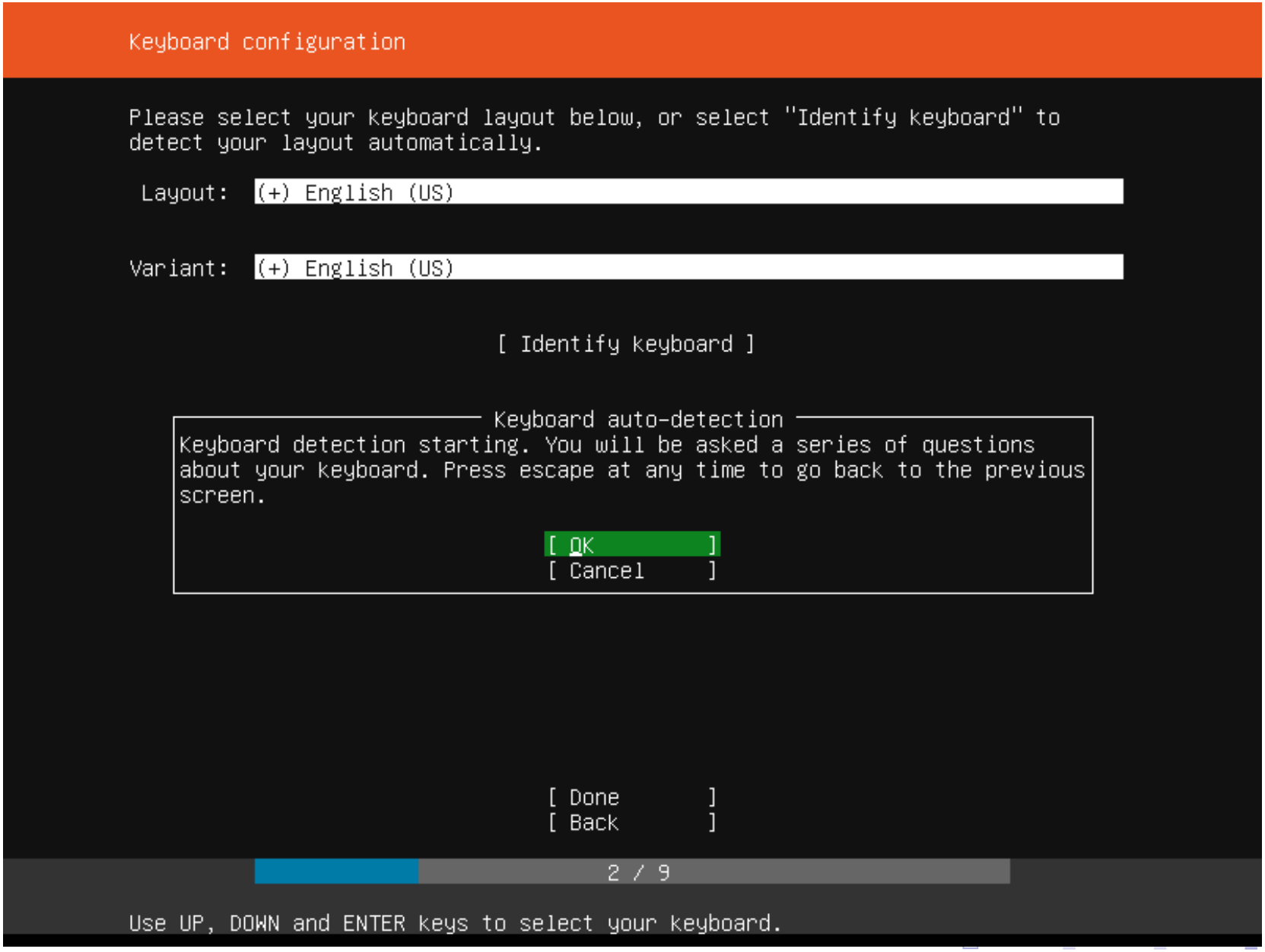

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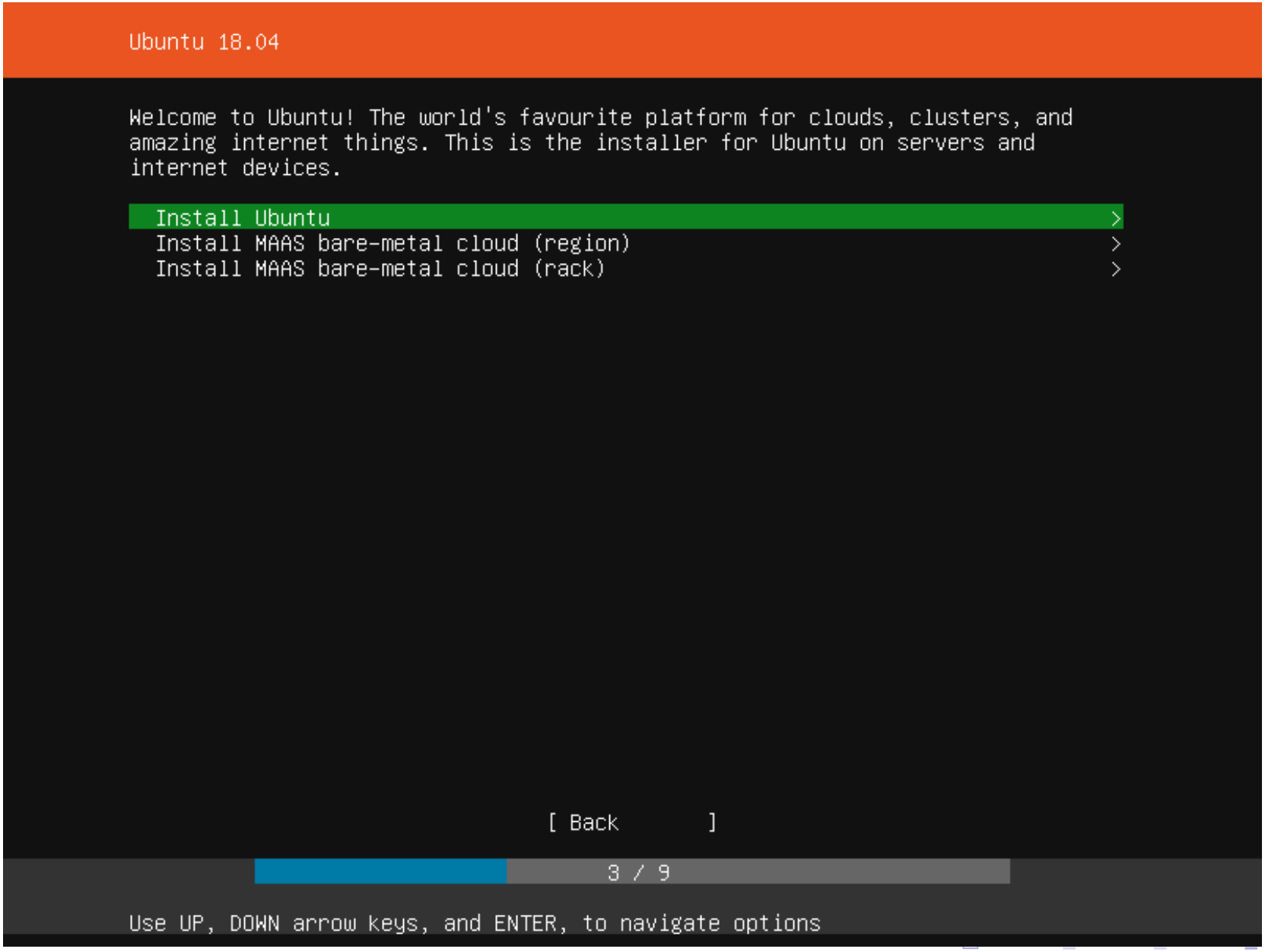

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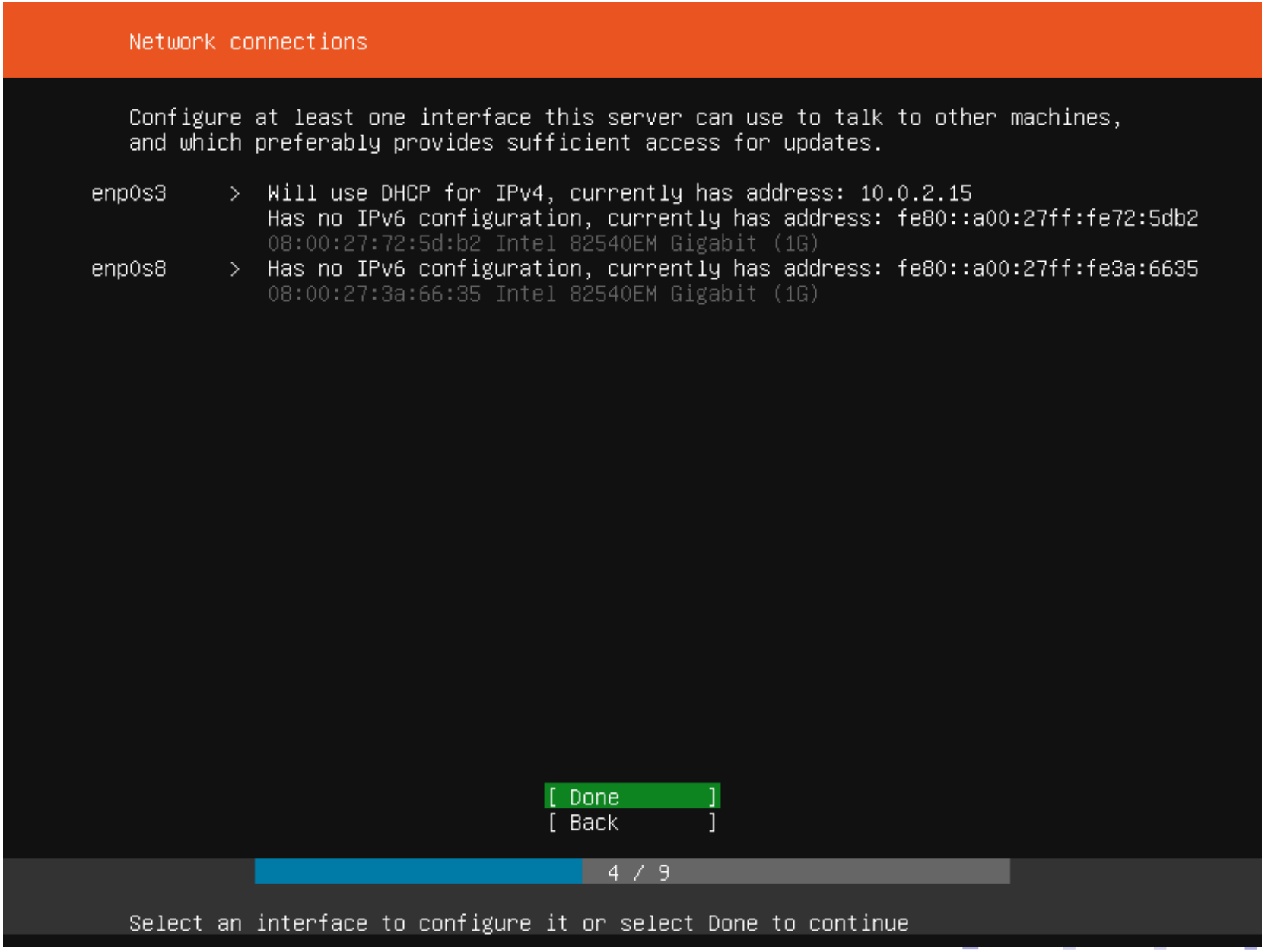

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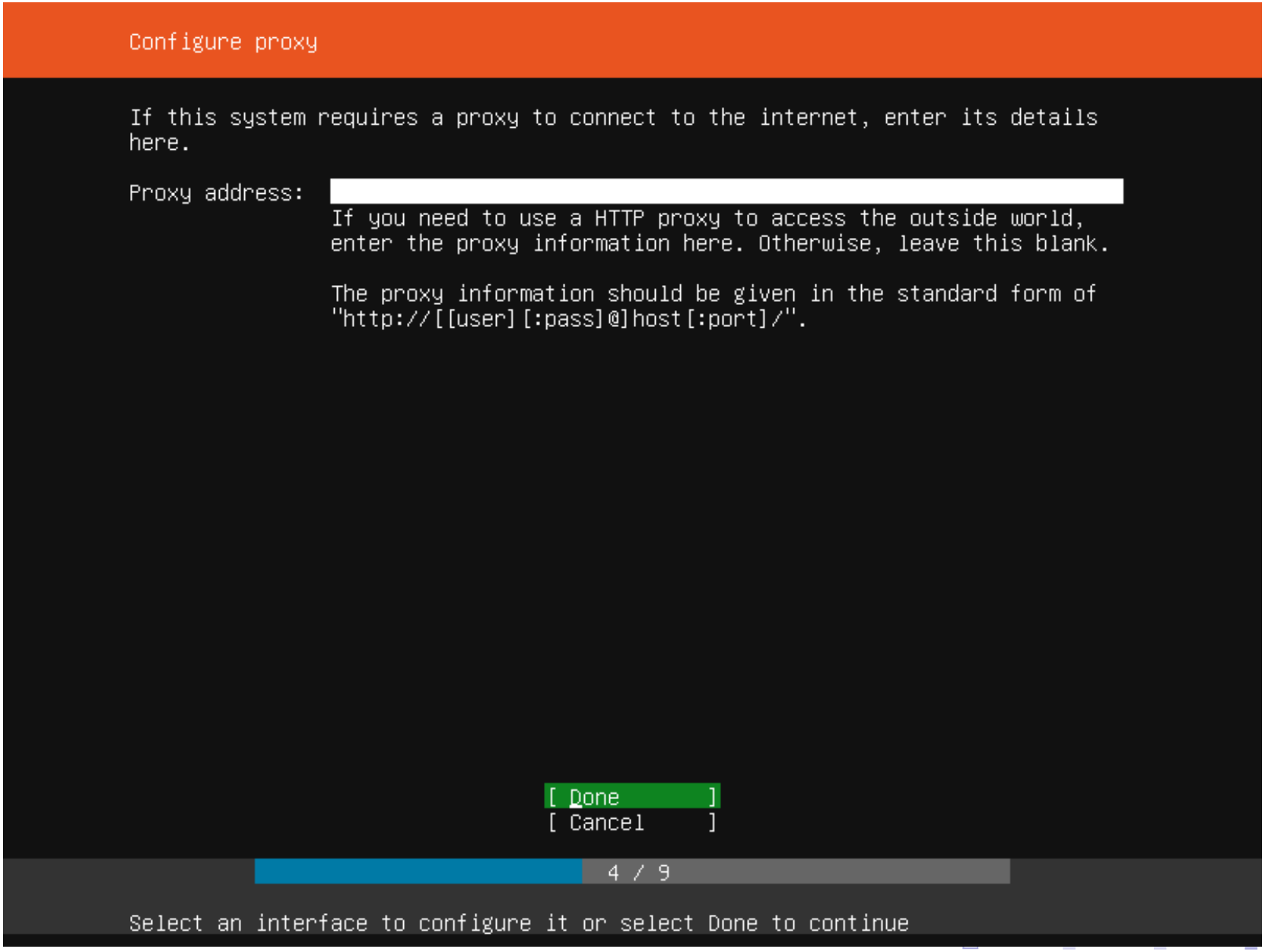

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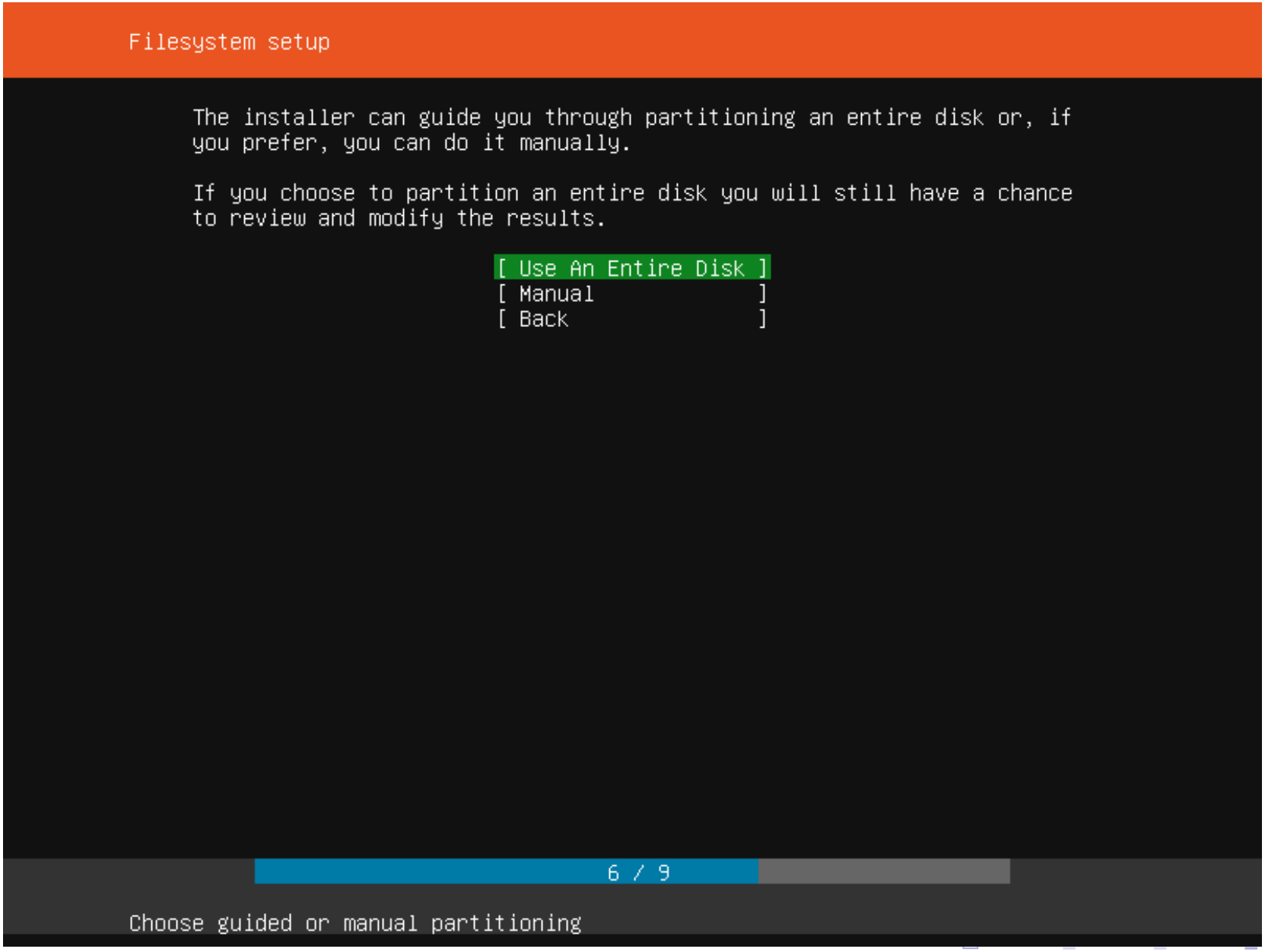

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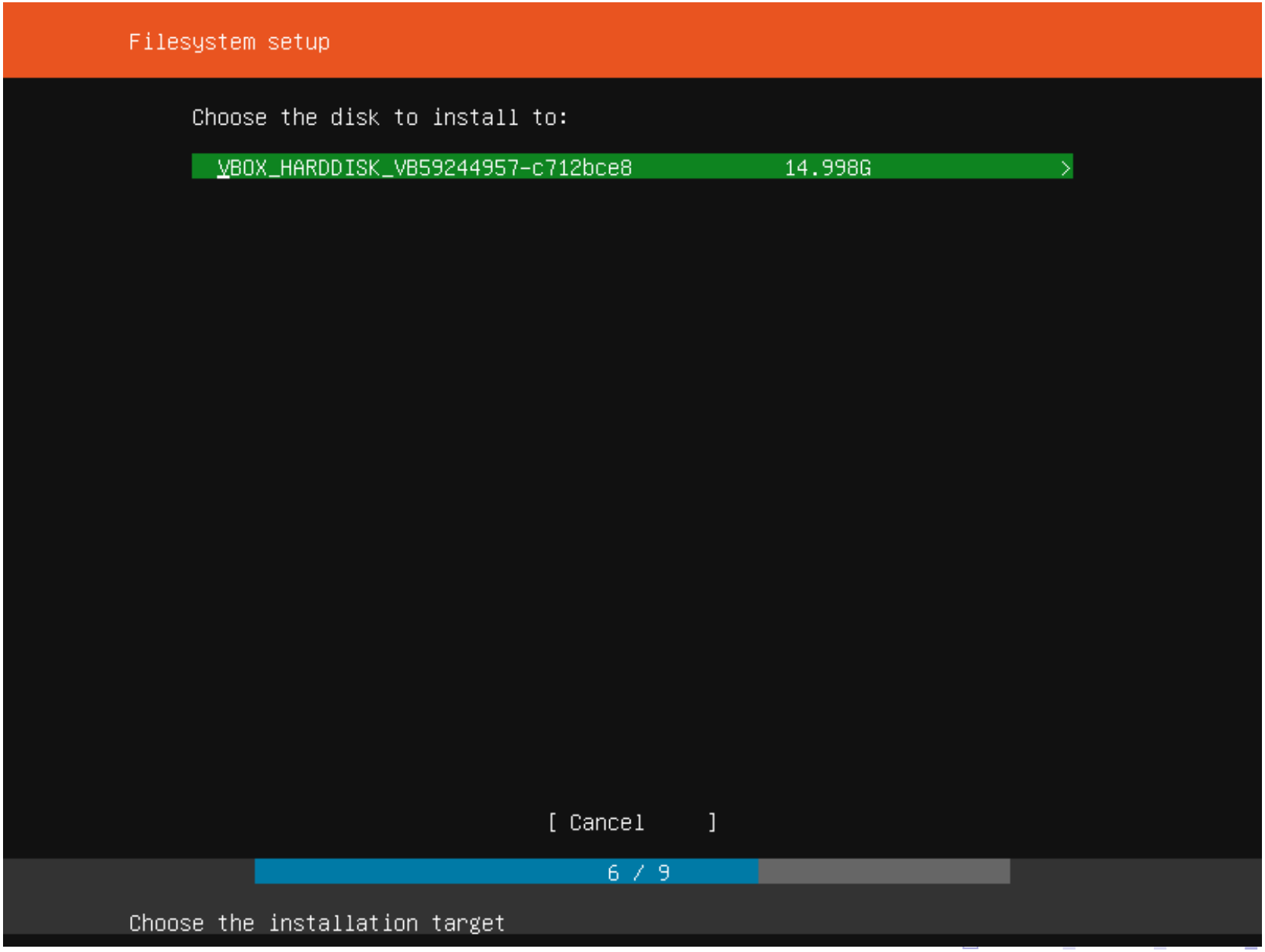

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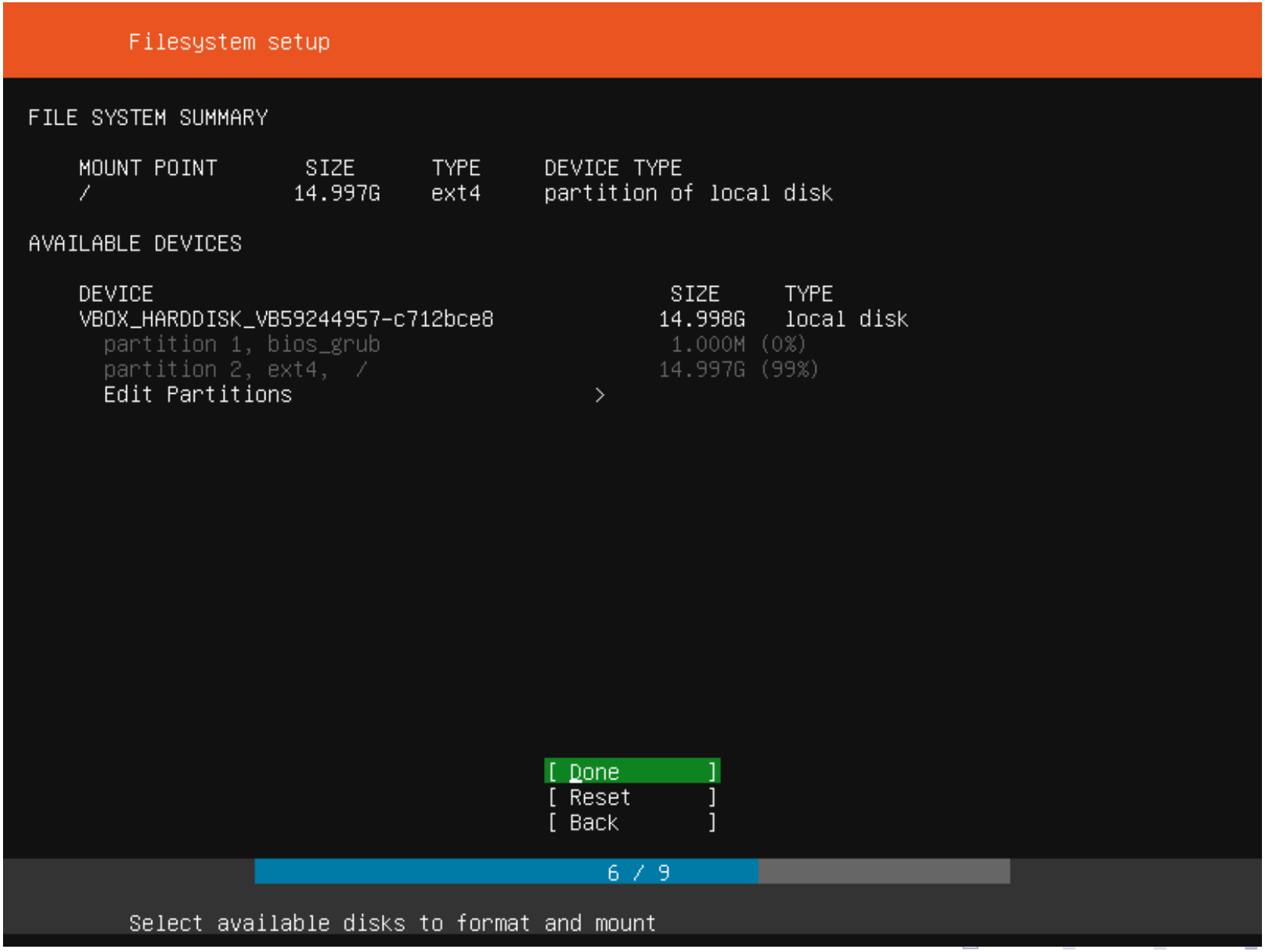

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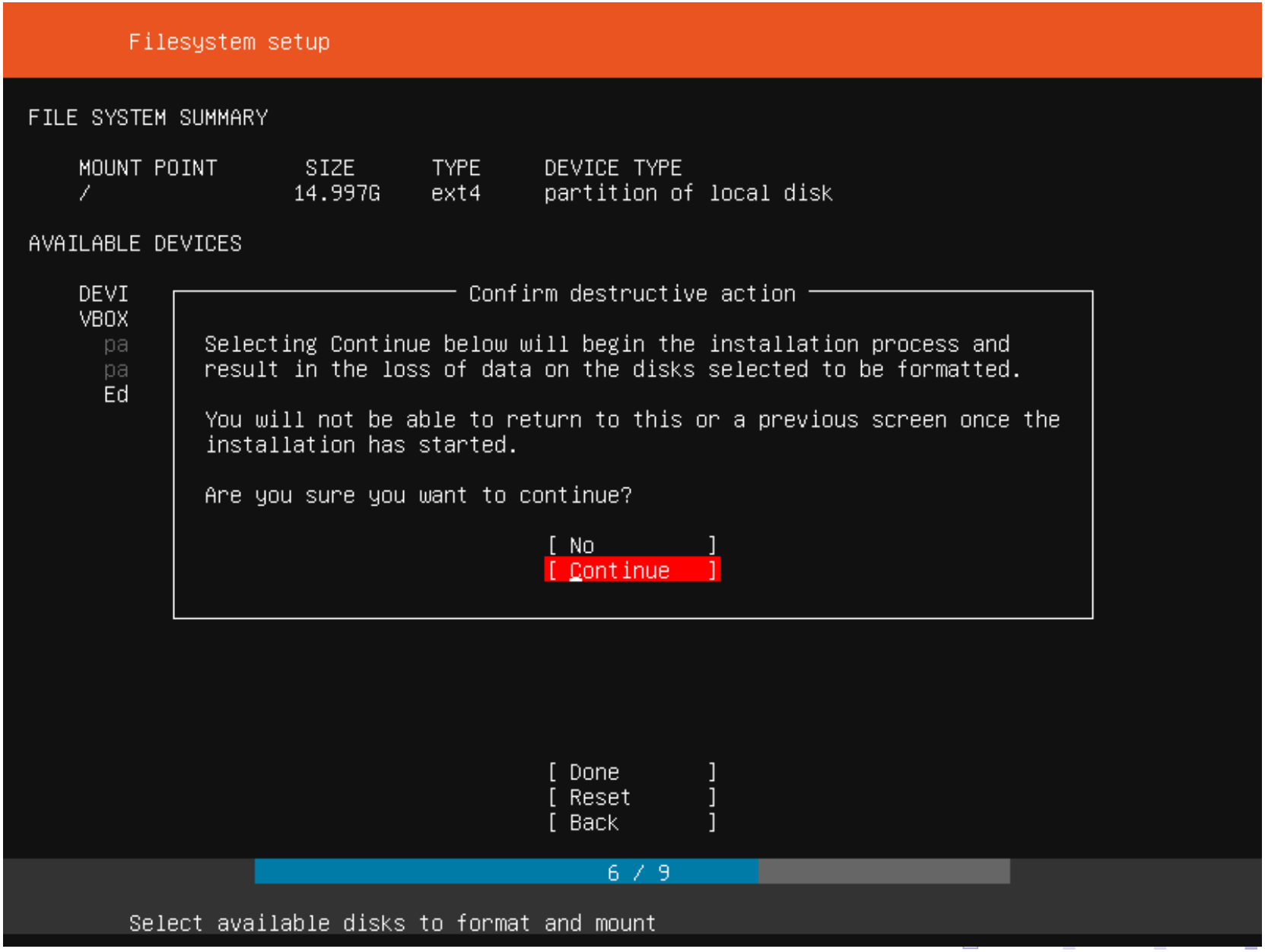

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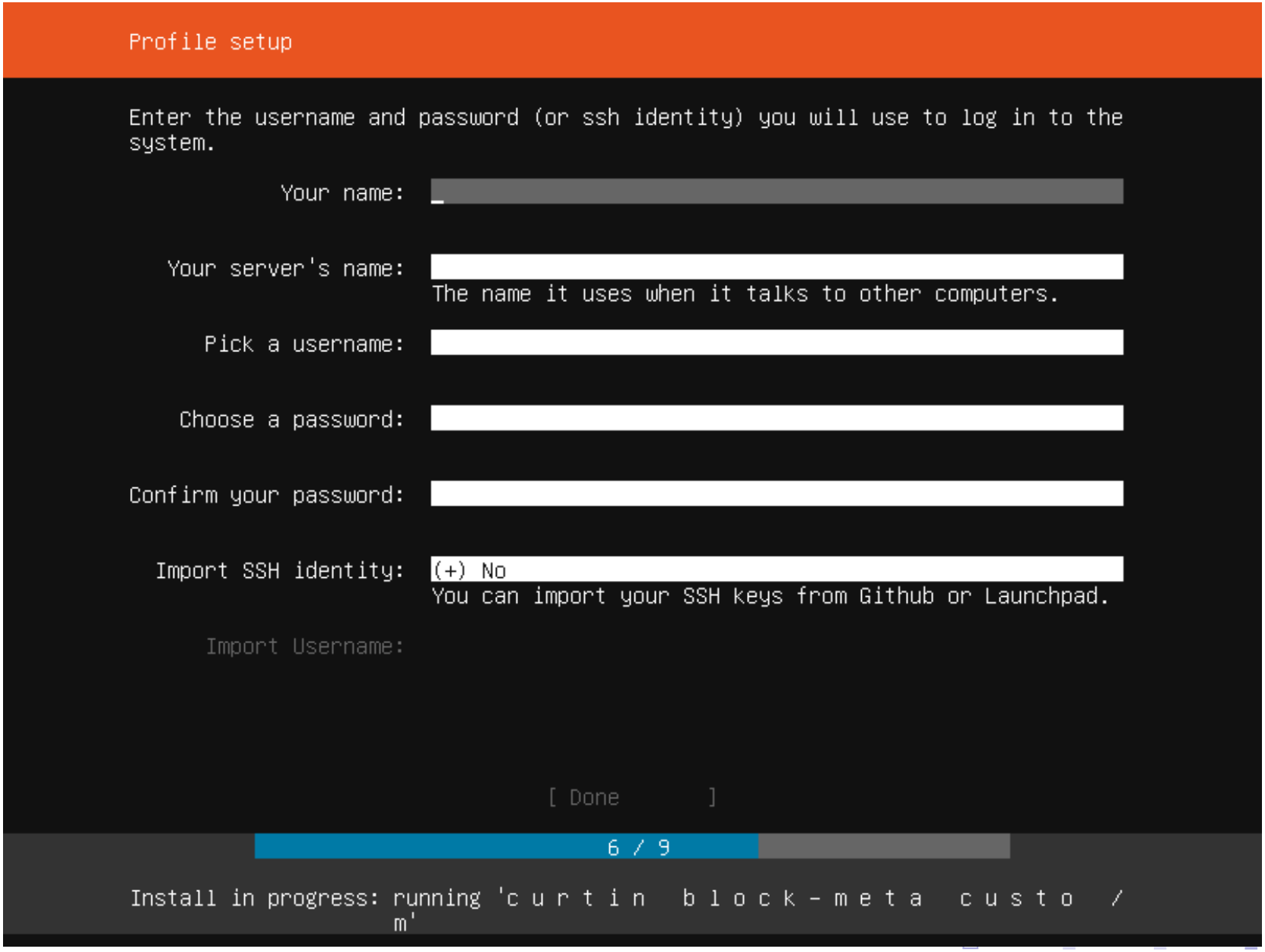

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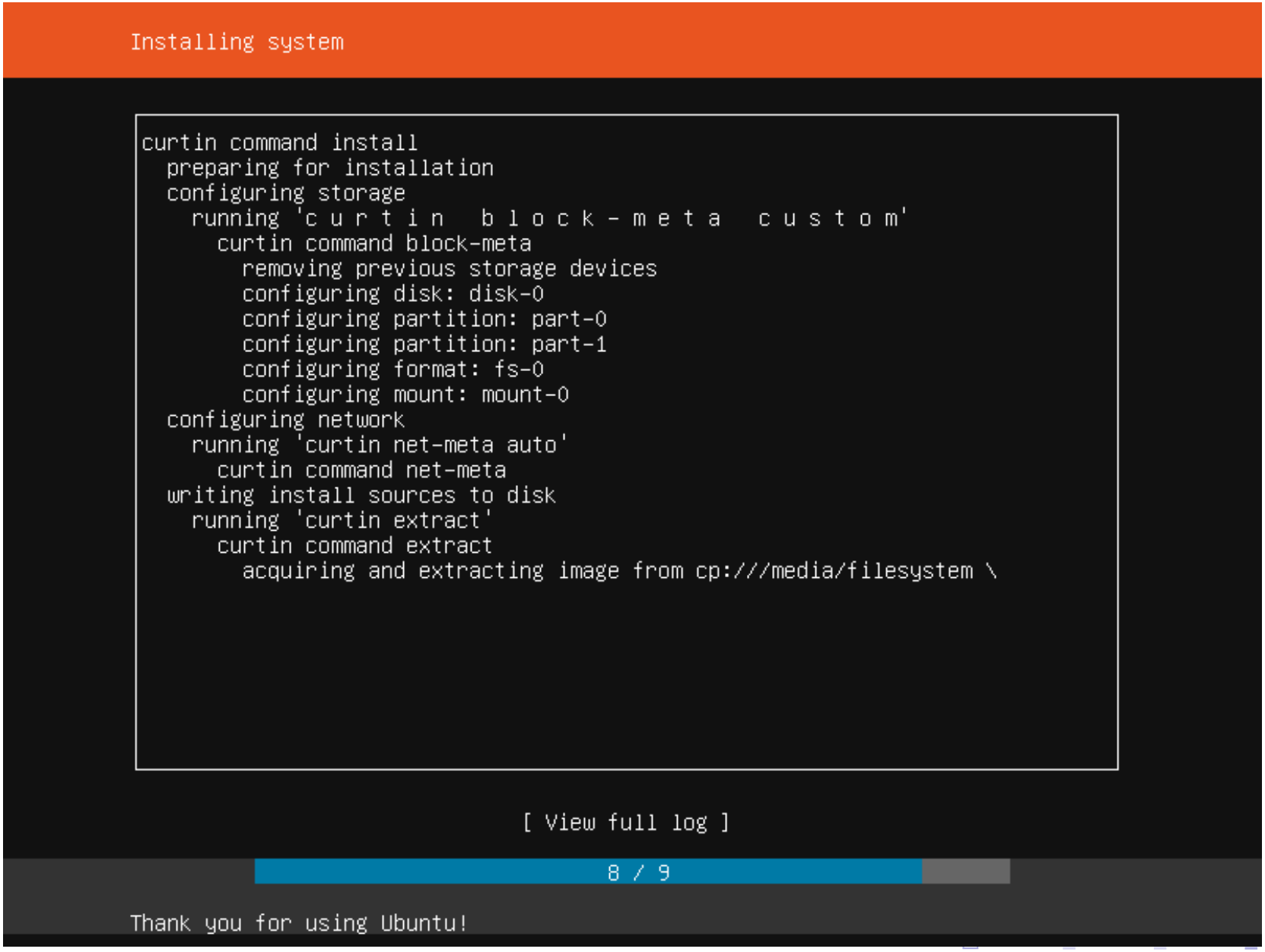

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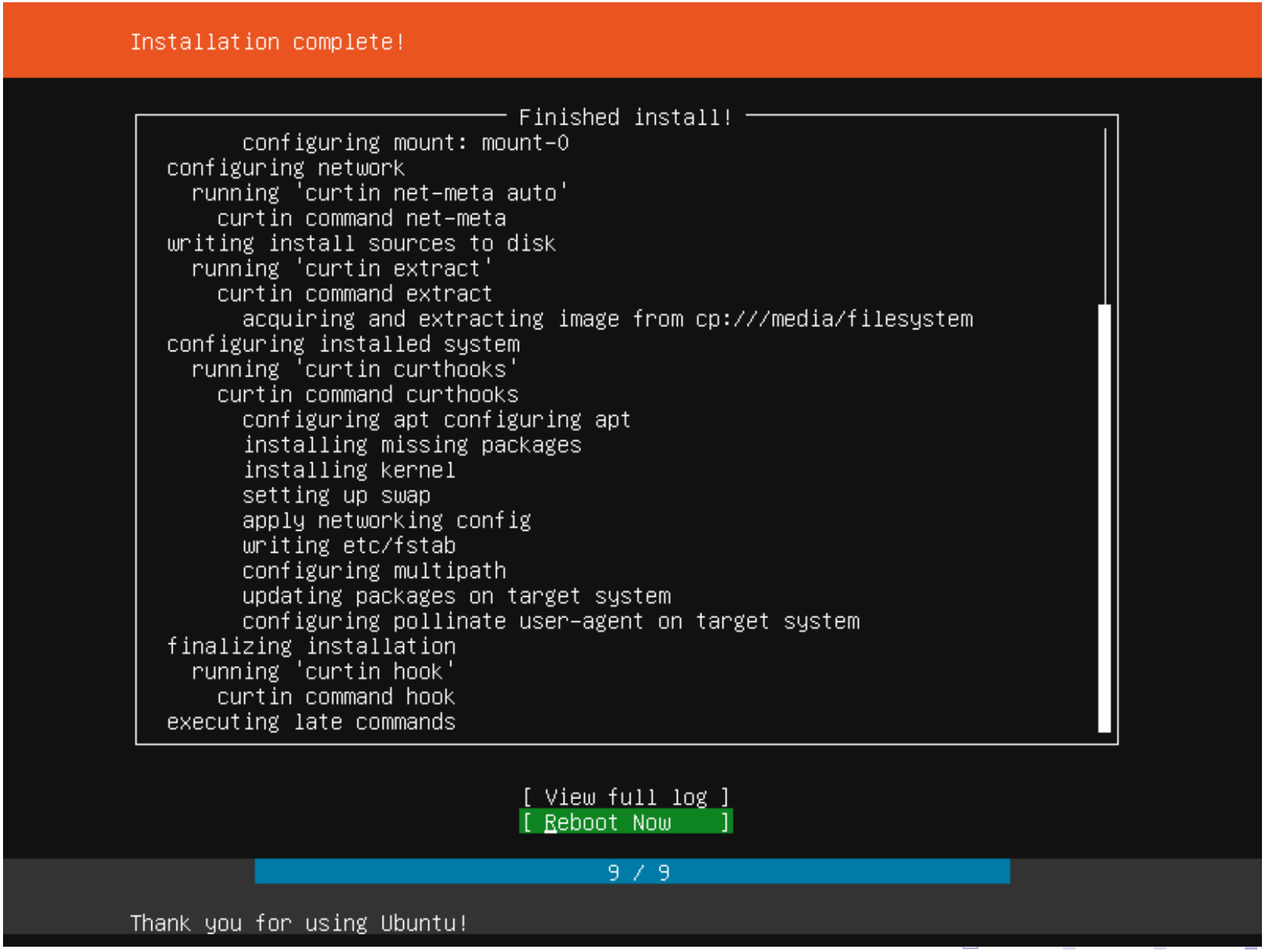

3.1- Instalação do Linux Ubuntu 18

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```
Ubuntu 18.04 LTS asoa tty1

asoa login: asoa
Password:
Last login: Tue Jun  5 14:49:38 UTC 2018 on tty1
Welcome to Ubuntu 18.04 LTS (GNU/Linux 4.15.0-22-generic x86_64)

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

 System information disabled due to load higher than 1.0


34 packages can be updated.
11 updates are security updates.


To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

asoa@asoa:~$
```

3.1- Criação da senha do root no Linux Ubuntu 18

```
Ubuntu 18.04 LTS asoa tty1

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Password:
Last login: Tue Jun  5 14:49:38 UTC 2018 on tty1
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To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

asoa@asoa:~$ sudo passwd root
```

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Ubuntu 18.04 LTS asoa tty1

asoa login: asoa
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34 packages can be updated.
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To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

asoa@asoa:~$ sudo passwd root
[sudo] password for asoa:
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
asoa@asoa:~$ _
```

3.1- Criação da senha do root no Linux Ubuntu 18

```
asoa@asoa:~$ su_
```

3.1- Criação da senha do root no Linux Ubuntu 18

```
asoa@asoa:~$ su
Password:
root@asoa:/home/asoa# _
```

3.2- Atualização do Repositório do Ubuntu 18

```
asoa@asoa:~$ su
Password:
root@asoa:/home/asoa# apt-get update
```

4.1- Configuração de Rede no Linux Ubuntu 18

```
root@asoa:/home/asoa# ifconfig_
```

4.1- Configuração de Rede no Linux Ubuntu 18

```
root@asoa:/home/asoa# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.0.2.15  netmask 255.255.255.0  broadcast 10.0.2.255
        inet6 fe80::a00:27ff:fe72:5db2  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:72:5d:b2  txqueuelen 1000  (Ethernet)
        RX packets 23499  bytes 26622051 (26.6 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 5960  bytes 376084 (376.0 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet6 fe80::a00:27ff:fe3a:6635  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:3a:66:35  txqueuelen 1000  (Ethernet)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 19  bytes 3442 (3.4 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 372  bytes 29978 (29.9 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 372  bytes 29978 (29.9 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

root@asoa:/home/asoa#
```

4.1- Configuração de Rede no Linux Ubuntu 18

```
root@asoa:/home/asoa# nano /etc/netplan/50-cloud-init.yaml
```

4.1- Configuração de Rede no Linux Ubuntu 18

```
  GNU nano 2.9.3                        /etc/netplan/50-cloud-init.yaml

# This file is generated from information provided by
# the datasource.  Changes to it will not persist across an instance.
# To disable cloud-init's network configuration capabilities, write a file
# /etc/cloud/cloud.cfg.d/99-disable-network-config.cfg with the following:
# network: {config: disabled}
network:
    ethernets:
        enp0s3:
            addresses: []
            dhcp4: true
            optional: true
        enp0s8:
            addresses: []
            dhcp4: true
            optional: true
    version: 2
```

4.1- Configuração de Rede com IPv4

```
  GNU nano 2.9.3                        /etc/netplan/50-cloud-init.yaml

# This file is generated from information provided by
# the datasource.  Changes to it will not persist across an instance.
# To disable cloud-init's network configuration capabilities, write a file
# /etc/cloud/cloud.cfg.d/99-disable-network-config.cfg with the following:
# network: {config: disabled}
network:
    ethernets:
        enp0s3:
            addresses: []
            dhcp4: true
            optional: true
        enp0s8:
            addresses: [192.168.13.1/24]
            dhcp4: false
            optional: false
    version: 2
```

4.1- Configuração de Rede com IPv4

```
root@asoa:/home/asoa# netplan apply
[  OK  ] Stopped Wait for Network to be Configured.
         Stopping Network Service...
[  OK  ] Stopped Network Service.
         Starting Network Service...
[  OK  ] Started Network Service.
root@asoa:/home/asoa#
```

4.1- Configuração de Rede com IPv4

```
root@asoa:/home/asoa# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.0.2.15  netmask 255.255.255.0  broadcast 10.0.2.255
        inet6 fe80::a00:27ff:fe72:5db2  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:72:5d:b2  txqueuelen 1000  (Ethernet)
        RX packets 154960  bytes 174414193 (174.4 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 41755  bytes 2540686 (2.5 MB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

enp0s8: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.13.1  netmask 255.255.255.0  broadcast 192.168.13.255
        inet6 fe80::a00:27ff:fe3a:6635  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:3a:66:35  txqueuelen 1000  (Ethernet)
        RX packets 25  bytes 4577 (4.5 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 32  bytes 5948 (5.9 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
```

Contato

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