

Ściągamy ISO z systemem z adresu:

<https://releases.ubuntu.com/18.04/ubuntu-18.04.4-live-server-amd64.iso>

lub z Sharepointa:

[https://zsmetarnow.sharepoint.com/:u:/s/PP\\_2i\\_projektowaniesieci komputerowych/EapMGOVI5ZFPLIAvW6XAp7cBpqpZ7BwpfnoD9blTADGPtQ?e=rXFybc](https://zsmetarnow.sharepoint.com/:u:/s/PP_2i_projektowaniesieci komputerowych/EapMGOVI5ZFPLIAvW6XAp7cBpqpZ7BwpfnoD9blTADGPtQ?e=rXFybc)

Tworzymy nową maszynę w Virtual Box z takimi ustawieniami:

Name:	Ubuntu Server 18.04 LTS
Typ:	Linux
Wersja:	Ubuntu (64-bit)

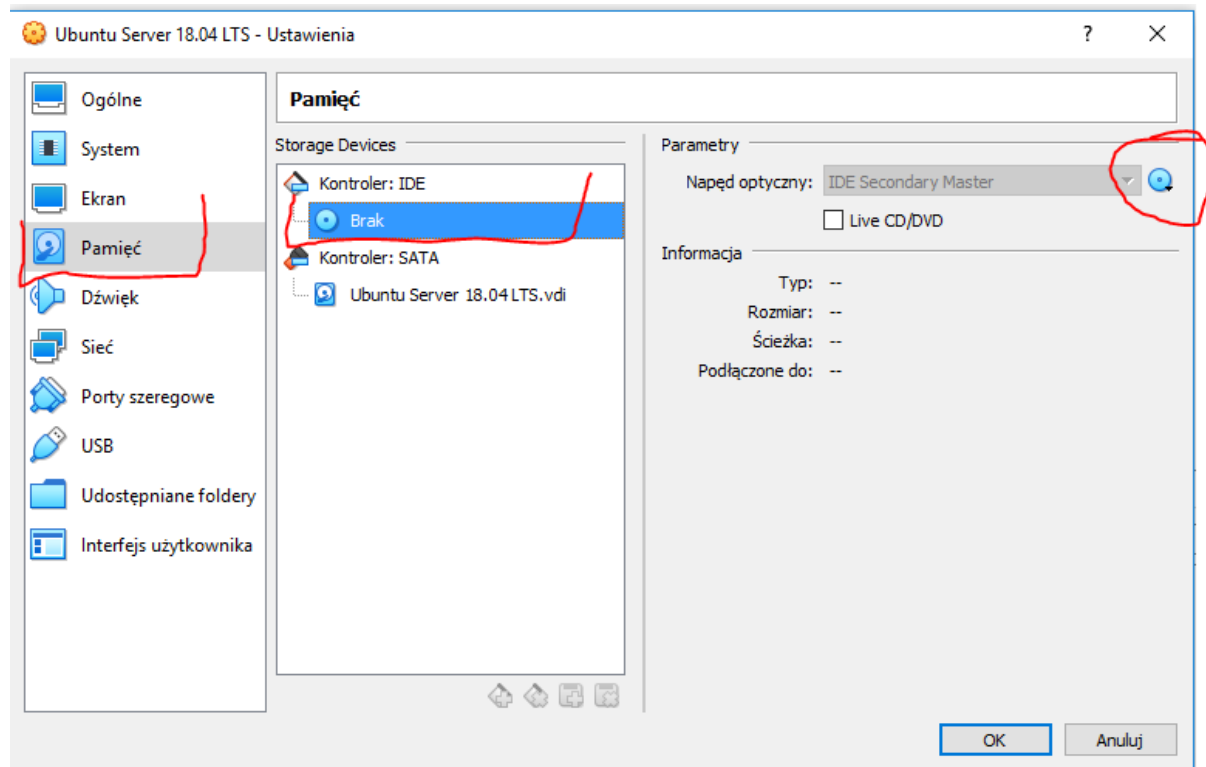
  

Name:	Ubuntu Server 18.04 LTS
Typ:	Linux
Wersja:	Ubuntu (64-bit)

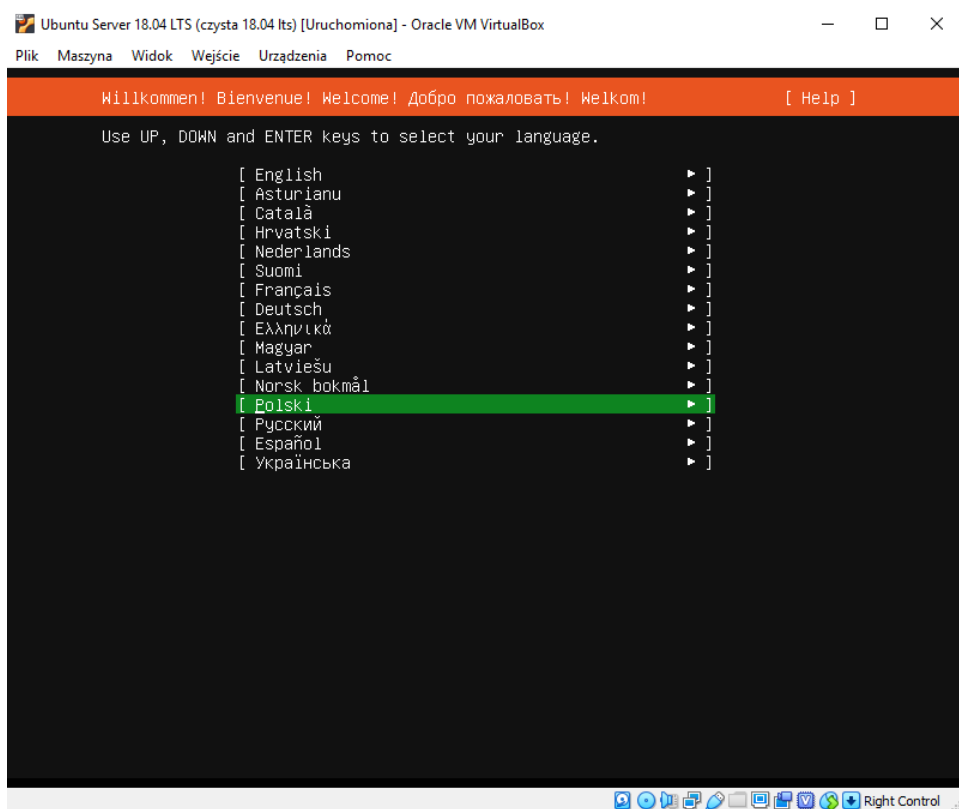
Sieciówka

może zostać w trybie NAT

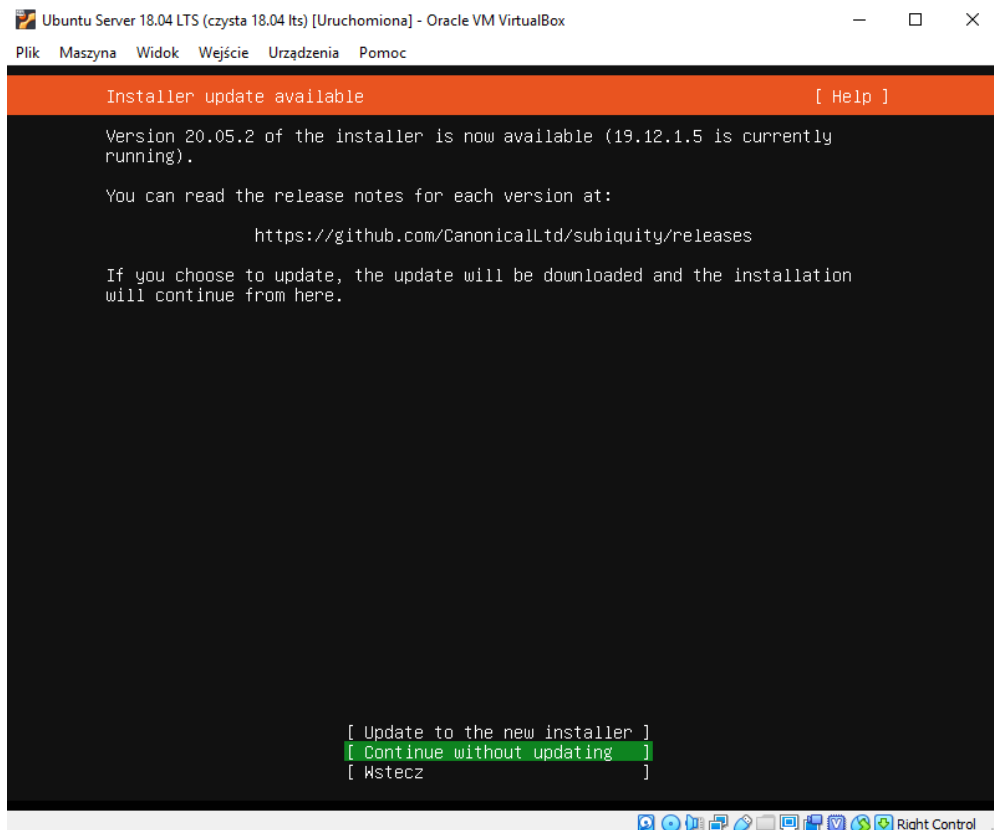
Wsadzamy plik ISO do wirtualnego napędu w maszynie:



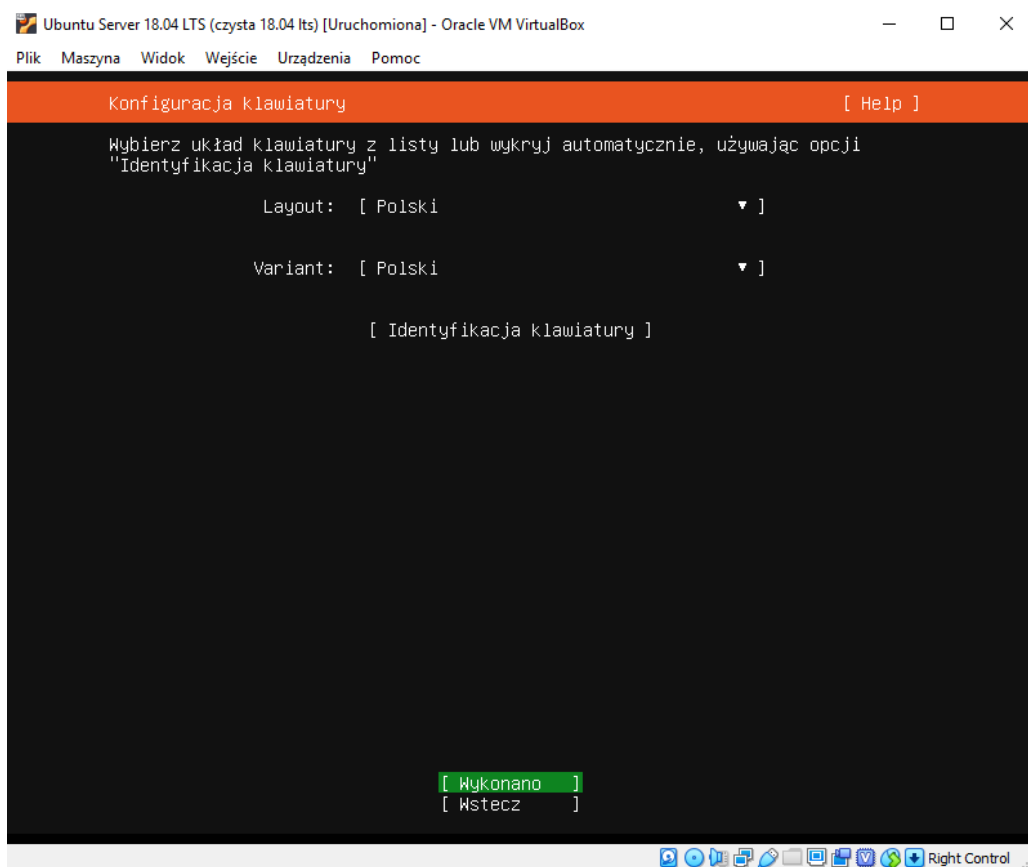
## Wybieramy język:



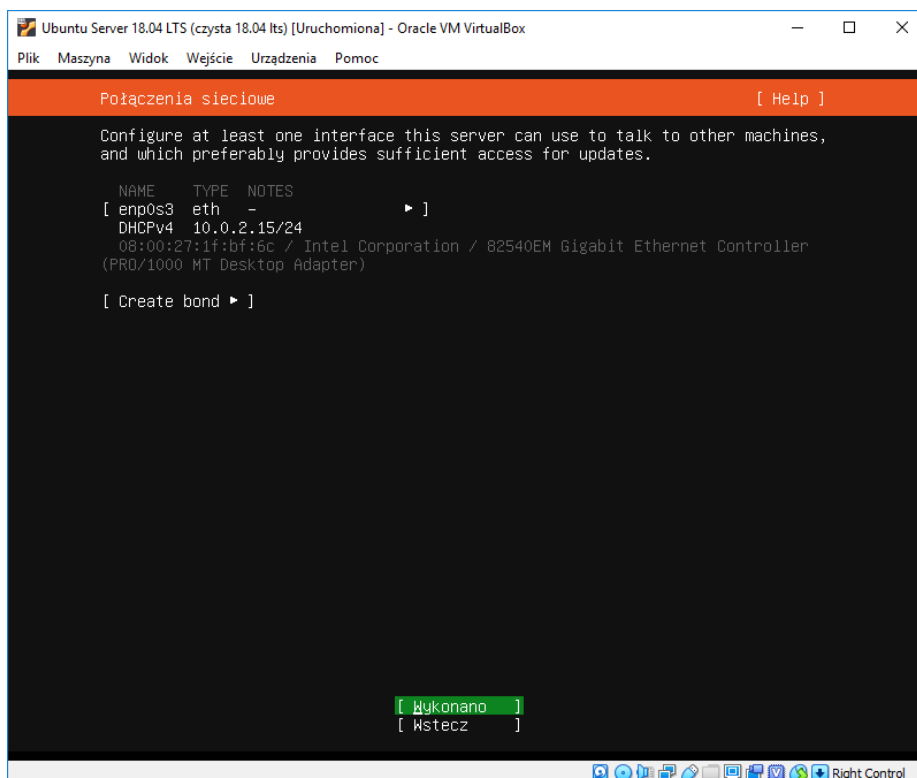
## Nie robimy update podczas instalacji:



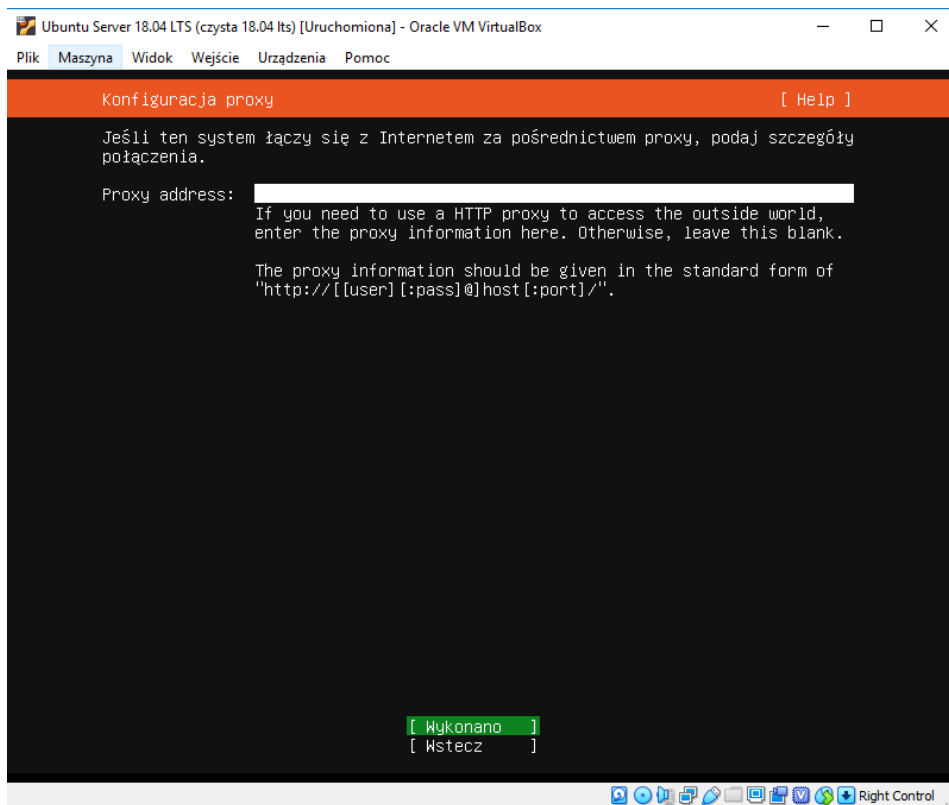
## Konfigurujemy klawiaturę:



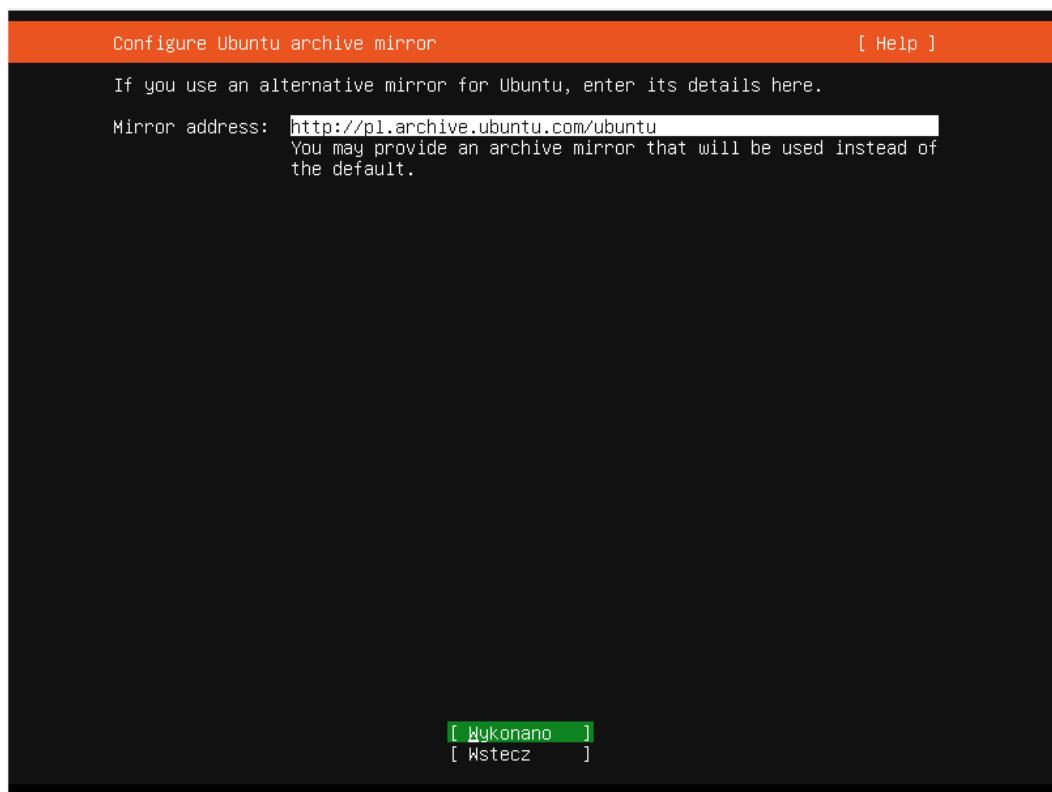
## Sieciówki zostawiamy tak jak są:



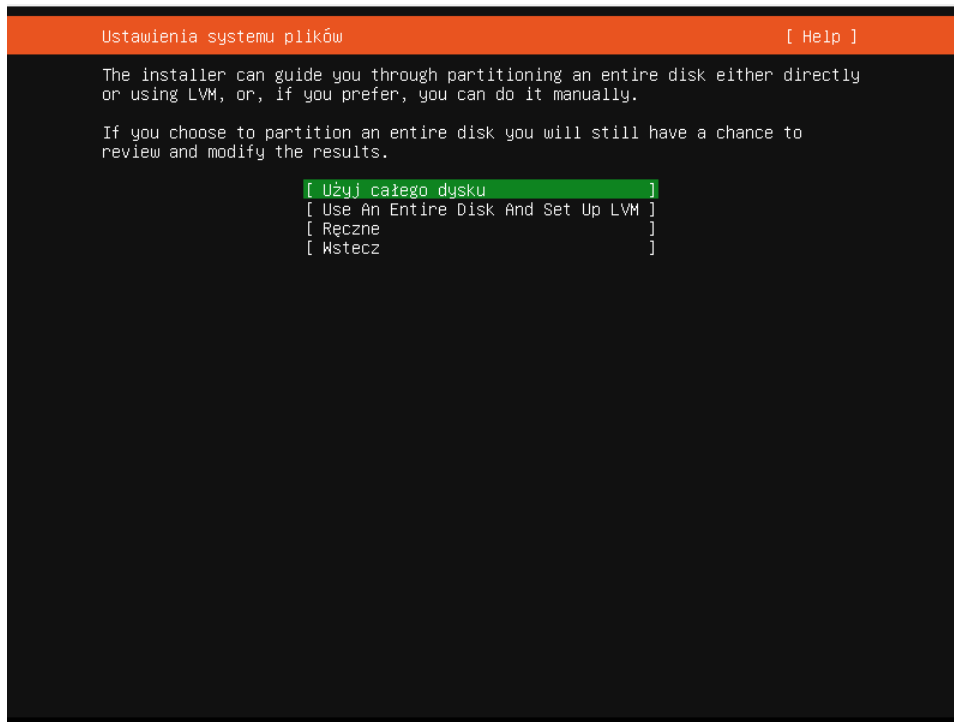
## Nie wpisujemy PROXY



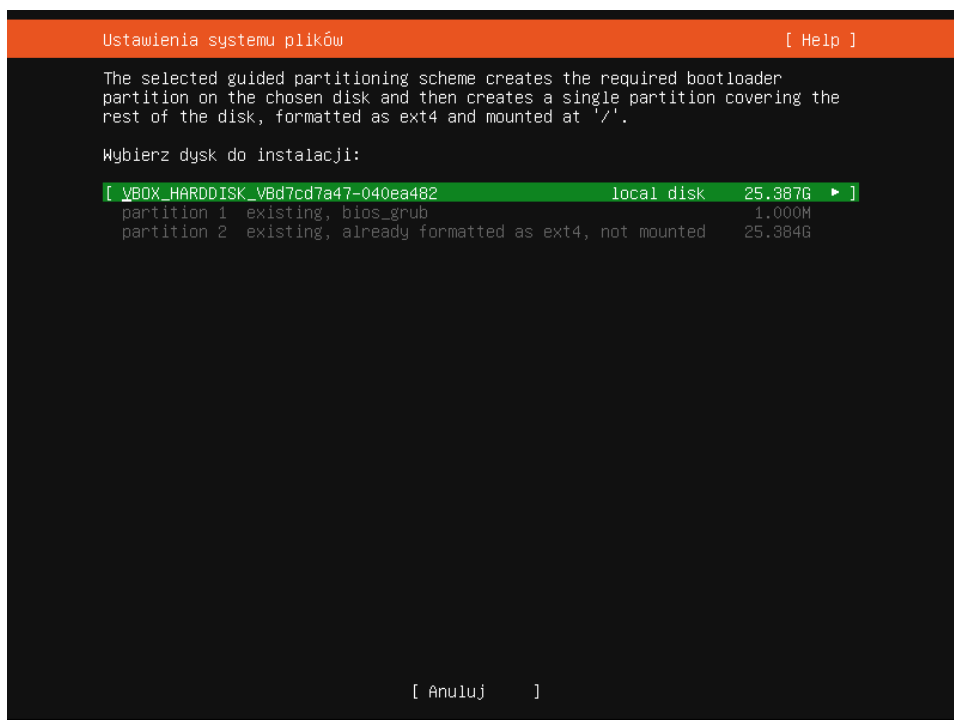
## Pozostawiamy bez zmian Ubuntu archive mirror



Do zainstalowania używamy całej powierzchni dysku



Wybieramy nasz dysk:



Potwierdzamy:

```
Ustawienia systemu plików [ Help ]
PODSUMOWANIE SYSTEMU PLIKÓW
MOUNT POINT   Rozmiar   Typ      Typ urządzenia
[ /           25.384G  new ext4 new partition of local disk ▶ ]

DOSTĘPNE URZĄDZENIA
No available devices

[ Create software RAID (md) ▶ ]
[ Create volume group (LVM) ▶ ]

USED DEVICES
Urządzenie                               Typ      Rozmiar
[ VBOX_HARDDISK_VBd7cd7a47-040ea482     local disk 25.387G ▶ ]
partition 1 new, bios_grub                        1.000M ▶ ]
partition 2 new, to be formatted as ext4, mounted at / 25.384G ▶ ]

[ Wykonano ]
[ Przywróć ]
[ Wstecz   ]
```

```
Ustawienia systemu plików [ Help ]
PODSUMOWANIE SYSTEMU PLIKÓW
MOUNT POINT   Rozmiar   Typ      Typ urządzenia
[ /           25.384G  new ext4 new partition of local disk ▶ ]

DOSTĘPNE URZĄDZENIA
No available devices

Potwierdź destrukcyjne działanie

Selecting Continue below will begin the installation process and
result in the loss of data on the disks selected to be formatted.

You will not be able to return to this or a previous screen once the
installation has started.

Are you sure you want to continue?

[ Nie ]
[ Kontynuuj ]

[ Wykonano ]
[ Przywróć ]
[ Wstecz   ]
```

Konfigurujemy nazwę komputera i loginy/hasła

Imię: wpiszcie swoje

Nazwa serwera: **in**ubuntu czyli dla **Jan Kowalski** nazwa to **jkubuntu** (pierwsze litery imienia i nazwiska plus ubuntu)

Login/hasło : zsme/zsme

Ustawienia profilu [ Help ]

Enter the username and password you will use to log in to the system. You can configure SSH access on the next screen but a password is still needed for sudo.

Your name:

Your server's name:   
The name it uses when it talks to other computers.

Pick a username:

Choose a password:

Confirm your password:

[ Wykonano ]

## Nie instalujemy OpenSSH

```
SSH Setup [ Help ]

You can choose to install the OpenSSH server package to enable secure remote
access to your server.

[ ] Install OpenSSH server

Import SSH identity: [ No ▼ ]
                    You can import your SSH keys from Github or Launchpad.

Import Username:

[X] Allow password authentication over SSH

[ Wykonano ]
[ Wstecz ]
```

## Nie instalujemy dodatkowych pakietów:

```
Featured Server Snaps [ Help ]

These are popular snaps in server environments. Select or deselect with SPACE,
press ENTER to see more details of the package, publisher and versions
available.

( ) microk8s      Kubernetes for workstations and appliances ▶
( ) nextcloud     Nextcloud Server - A safe home for all your data ▶
( ) wekan         Open-Source kanban ▶
( ) kata-containers Lightweight virtual machines that seamlessly plug int ▶
( ) docker        Docker container runtime ▶
( ) canonical-livepatch Canonical Livepatch Client ▶
( ) rocketchat-server Group chat server for 100s, installed in seconds. ▶
( ) mosquitto     Eclipse Mosquitto MQTT broker ▶
( ) etcd          Resilient key-value store by CoreOS ▶
( ) powershell   PowerShell for every system! ▶
( ) stress-ng     A tool to load, stress test and benchmark a computer ▶
( ) sabnzbd       SABnzbd ▶
( ) wormhole      get things from one computer to another, safely ▶
( ) aws-cli       Universal Command Line Interface for Amazon Web Servi ▶
( ) google-cloud-sdk Command-line interface for Google Cloud Platform prod ▶
( ) slcli         Python based SoftLayer API Tool. ▶
( ) doctl         DigitalOcean command line tool ▶
( ) conjure-up    Package runtime for conjure-up spells ▶
( ) minidlna-escoand server software with the aim of being fully compliant ▶
( ) postgresql10 PostgreSQL is a powerful, open source object-relation ▶
( ) heroku        CLI client for Heroku ▶
( ) keepalived    High availability VRRP/BFD and load-balancing for Lin ▶
( ) prometheus    The Prometheus monitoring system and time series data ▶
( ) juju          Simple, secure and stable devops. Juju keeps complexi ▶

[ Wykonano ]
[ Wstecz ]
```

Czekamy aż instalacja się skończy :

```
Instalacja ukończona! [ Help ]

----- Instalacja ukończona! -----
running '/snap/bin/subiquity.subiquity-configure-run'
running '/snap/bin/subiquity.subiquity-configure-apt'
/snap/subiquity/1459/usr/bin/python3 true'
curtin command apt-config
curtin command in-target
running 'curtin curthooks'
curtin command curthooks
configuring apt configuring apt
installing missing packages
configuring iscsi service
configuring raid (mdadm) service
installing kernel
setting up swap
apply networking config
writing etc/fstab
configuring multipath
updating packages on target system
configuring pollinate user-agent on target
updating initramfs configuration
finalizing installation
running 'curtin hook'
curtin command hook
executing late commands
final system configuration
configuring cloud-init
restoring apt configuration
downloading and installing security updates
copying logs to installed system

[ Wyświetl pełny log ]
[ Reboot ]
```

Robimy reboot i sprawdzamy czy możemy się zalogować:

tutaj trzeba kliknąć Enter:

```
[ 25.882970] cloud-init[1597]: Generating locales (this might take a while)...
[ 26.576372] cloud-init[1597]: pl_PL.UTF-8... done
[ 26.577101] cloud-init[1597]: Generation complete.
[ 27.094824] cloud-init[1597]: Cloud-init v. 19.4-33-gbb4131a2-0ubuntu1~18.04.1 running 'modules:
onfig' at Tue, 12 May 2020 13:16:05 +0000. Up 25.73 seconds.
[ OK ] Started Apply the settings specified in cloud-config.
Starting Execute cloud user/final scripts...
ci-info: no authorized SSH keys fingerprints found for user zsme.
<14>May 12 13:16:07 ec2:
<14>May 12 13:16:07 ec2: #####
<14>May 12 13:16:07 ec2: ----BEGIN SSH HOST KEY FINGERPRINTS----
<14>May 12 13:16:07 ec2: 1024 SHA256:dJaxhpZKL+QqBQmgEpAdd6c8X10EVBSXTntLbwH6Eg root@jkubuntu (DSA)
<14>May 12 13:16:07 ec2: 256 SHA256:002DuI2vyx7aUyJDREvzPVBnxM6dyIM2r0UTU6uIusw root@jkubuntu (ECDSA)
<14>May 12 13:16:07 ec2: 256 SHA256:5zu7YGDB+vZ2oosr8wI/E7o81pcBPM1u1HIBq8rzmUu root@jkubuntu (ED255
19)
<14>May 12 13:16:07 ec2: 2048 SHA256:7tsAz6uKCh2SA/GVswqJMFrxX2RubMrOnhJJ4rJLmg3M root@jkubuntu (RSA)
<14>May 12 13:16:07 ec2: ----END SSH HOST KEY FINGERPRINTS----
<14>May 12 13:16:07 ec2: #####
----BEGIN SSH HOST KEY KEYS----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAuNTYAAAAIbmlzdHAuNTYAAABBBLdn36ai2Yjl1aLPUK0xJ8ofn4ux
u9kH89e0R7BoN698uWlIkbnVnkiV3tR0wpp2bLQnDSAA08P4/KPDnzzF++ root@jkubuntu
ssh-ed25519 AAAAC3NzaC1l2D1lNTE5AAAAIKaClol.enTULdtFG77KEXKuh8ThuuS411/8u8JmXriyl root@jkubuntu
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCVtPDA9IooTAsI/4c9P0HVp3WkTdaXe42HNQz94K2m4MN2J5W/3P1QhBXSpFr+
eDBXjIq3+XhekKzW1e10tpai0NBGxfad1axQoI+L3a1ALigZ6JfDw1fpAsA2h3s0BRad/ju9NNkmbiJiLRO3GHQ/inv3DRX1
IC3zTYM+vGpdpqkqkpm2t08kNE212BmtaADROAVKqkQzok4EqzuuHQAcB4gYKwX6/miyZKF68H3M1uAp32A7Wmm19wE2W46P
SduH160n4Smm0stmXCFuRN7zba90o41LQNH/MokJcuW59rrGxX43udCl/e8B8vZQX9cU7/zJ/CgUsKLD6 root@jkubuntu
----END SSH HOST KEY KEYS----
[ 27.602406] cloud-init[1662]: Cloud-init v. 19.4-33-gbb4131a2-0ubuntu1~18.04.1 running 'modules:f
inal' at Tue, 12 May 2020 13:16:07 +0000. Up 27.45 seconds.
[ 27.603428] cloud-init[1662]: ci-info: no authorized SSH keys fingerprints found for user zsme.
[ 27.604044] cloud-init[1662]: Cloud-init v. 19.4-33-gbb4131a2-0ubuntu1~18.04.1 finished at Tue, 1
2 May 2020 13:16:07 +0000. DataSource DataSourceNoCloud [seed=/var/lib/cloud/seed/nocloud-net] [dsmod
e=net]. Up 27.59 seconds
[ OK ] Started Execute cloud user/final scripts.
[ OK ] Reached target Cloud-init target.
```

Jeżeli wszystko poszło OK to powinniśmy być w stanie się zalogować:

```
[ OK ] Started Execute cloud user/final scripts.
[ OK ] Reached target Cloud-init target.

Ubuntu 18.04.4 LTS jkubuntu tty1

jkubuntu login: zsme
Password:
Welcome to Ubuntu 18.04.4 LTS (GNU/Linux 4.15.0-99-generic x86_64)

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

System information as of Tue May 12 13:17:39 UTC 2020

System load:  0.28          Processes:            86
Usage of /:   15.3% of 24.86GB   Users logged in:    0
Memory usage: 15%           IP address for enp0s3: 10.0.2.15
Swap usage:   0%

21 packages can be updated.
0 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

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

zsme@jkubuntu:~$ _
```