



# FORMATION SMART TOOLS UBUNTU

Lundi 1 Octobre 2018





# Plan


- Ubuntu, Késako ?
- Approche basique
- Utilisation avancée



**Ubuntu, Késako ?**



75+ millions  
d'installation



**Linux : 70 % PDM**  
**Ubuntu : 15 %**

# Ubuntu

- Système d'exploitation basé sur un noyau GNU/Linux et Debian
- Just Works™
- Grande souplesse d'utilisation





# Uses Cases

- Serveur :
  - Hébergement
  - Calcul...
- Ordinateur fixe/portable :
  - Dev
  - Gaming
  - ???



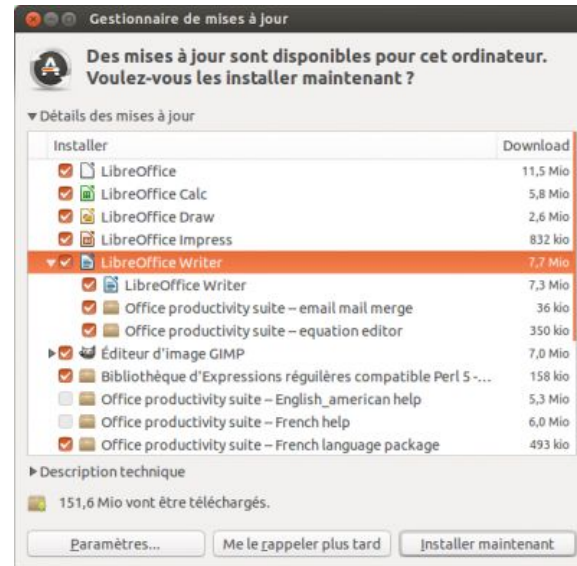
# Essayer et installer Ubuntu


- Clé Live USB / CD
- Fonctionnement « live »
- Dual-Boot
- Full Install
- **Attention au *secure boot***



# Ubuntu : paquets

- Gestion simple des paquets
  - Installation
  - Mises à jour
- GUI : Logithèque
- CLI : apt





# Ubuntu : paquets

- Beaucoup de paquets disponibles
  - Dépôts Ubuntu
  - Dépôts de la communauté
  - PPAs
  - Sources
  - ...

# Usefull software

- curl, htop,

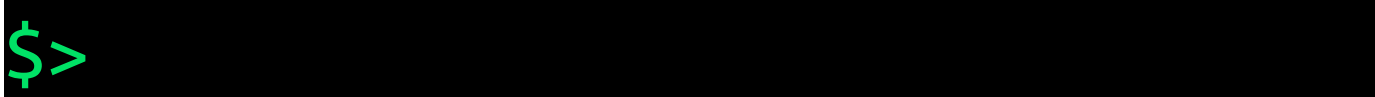



# Ubuntu : en GUI





# Ubuntu : utilisation CLI

- CLI >> GUI
- CLI -> Obligatoire en serveur et pour certains logiciels
- 



# CLI : sudo

- Par défaut, pas de privilèges
- Compte « root » : administrateur
- `sudo <commande>` :
  - Effectuer la commande en admin

```

apoussot@boulmix: ~
└─$ docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED          STATUS          PORTS                               NAMES
d0283b3d8c62       debian-vanilla     "/bin/sh -c docker-e..." 10 days ago     Up 10 days     80/tcp, 0.0.0.0:43033->22/tcp      iseplive
490be560f6ab       wordpressje        "/bin/sh -c docker-e..." 4 weeks ago     Up 4 weeks     80/tcp, 0.0.0.0:43032->22/tcp      testchatbotvictor
15451a66fc9d       wordpressje        "/bin/sh -c docker-e..." 4 weeks ago     Up 4 weeks     80/tcp, 0.0.0.0:43031->22/tcp      test_chatbot_victor
167048f3b023       domistyle/ldrac6   "/init"                  7 weeks ago     Up 7 weeks     0.0.0.0:5800->5800/tcp, 0.0.0.0:5900->5900/tcp  eloquent_hugle
8bcd1cdc1f8f       wordpressje        "/bin/sh -c docker-e..." 8 weeks ago     Up 7 weeks     80/tcp, 0.0.0.0:43030->22/tcp      qife
86de19fa72b3       wordpressje        "/bin/sh -c docker-e..." 2 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43029->22/tcp      louisella
c29c66ab817f       wordpressje        "/bin/sh -c docker-e..." 2 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43028->22/tcp      louisella
8f65286fc8f0       wordpressje        "/bin/sh -c docker-e..." 2 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43027->22/tcp      Syneria
7a4f6e6f80e0       wordpressje        "/bin/sh -c docker-e..." 2 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43026->22/tcp      louisella
7932827ff034       php-mysql-apache2 "/bin/sh -c docker-e..." 3 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43024->22/tcp      kpix
8299652bc6e0       php-mysql-apache2 "/bin/sh -c docker-e..." 3 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43023->22/tcp      vdbaudio
561f719478c       wordpressje        "/bin/sh -c docker-e..." 3 months ago    Up 5 weeks     80/tcp, 0.0.0.0:43022->22/tcp      mej2
541c42b7c7         wordpressje        "/bin/sh -c docker-e..." 3 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43003->22/tcp      oppida
941d7eb619f8       wordpressje        "/bin/sh -c docker-e..." 3 months ago    Up 7 weeks     22/tcp, 80/tcp      gracious_borg
2357548cf515       debian-vanilla     "/bin/sh -c docker-e..." 3 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43044->22/tcp      presentationurbaea
eb3887eb47c6       jwilder/nginx-proxy "/app/docker-entrypo..." 4 months ago    Up 7 weeks     0.0.0.0:80->80/tcp      agitated_banach
41245963cf69       portainer/portainer:latest "/portainer"            4 months ago    Up 7 weeks     0.0.0.0:9000->9000/tcp      stoic_leavitt
cb394e17bb4e       debian-vanilla     "/bin/sh -c docker-e..." 4 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43025->22/tcp      urbaea
29b66a4647f8       wordpressje        "/bin/sh -c docker-e..." 4 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43019->22/tcp      chapoutot
4c880c27275f       wordpressje        "/bin/sh -c docker-e..." 4 months ago    Up 5 weeks     80/tcp, 0.0.0.0:43021->22/tcp      larevuefonciere
8b0cafd94af03       wordpressje        "/bin/sh -c docker-e..." 5 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43020->22/tcp      artista
c309a06418ec       debian-vanilla     "/bin/sh -c docker-e..." 5 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43015->22/tcp      backup
7be2b44d7191       wordpressje        "/bin/sh -c docker-e..." 5 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43018->22/tcp      mej4
1330f0fa50b2       wordpressje        "/bin/sh -c docker-e..." 5 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43017->22/tcp      lebercy
a8b0c2e7c8a6       wordpressje        "/bin/sh -c docker-e..." 6 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43016->22/tcp      ulp
e9f6fe8d06a0       wordpressje        "/bin/sh -c docker-e..." 6 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43014->22/tcp      seniormedia
b96edc07545e       wordpressje        "/bin/sh -c docker-e..." 6 months ago    Up 3 weeks (Paused) 80/tcp, 0.0.0.0:43013->22/tcp      exq1
5a141ef83375       php-mysql-apache2 "/bin/sh -c docker-e..." 6 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43012->22/tcp      isep2
466510b3c64       wordpressje        "/bin/sh -c docker-e..." 6 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43006->22/tcp      www.pe
730e45d0ab52       wordpressje        "/bin/sh -c docker-e..." 6 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43011->22/tcp      cherchenidi
8b23bf74faa       wordpressje        "/bin/sh -c docker-e..." 6 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43010->22/tcp      deval
dcb8bd9437e5       wordpressje        "/bin/sh -c docker-e..." 6 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43008->22/tcp      ppt
2f2c02d66b43       php-mysql-apache2 "/bin/sh -c docker-e..." 7 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43001->22/tcp      rades
0f04da9de0df       wordpressje        "/bin/sh -c docker-e..." 7 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43005->22/tcp      gardechampetre
102b6cd3abe       wordpressje        "/bin/sh -c docker-e..." 7 months ago    Up 7 weeks     22/tcp, 80/tcp      edge_lovelace
b0849b514ac       wordpressje        "/bin/sh -c docker-e..." 7 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43009->22/tcp      pp
eb2765bdfcc       php-mysql-apache2 "/bin/sh -c docker-e..." 7 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43007->22/tcp      alto8
5c265b460999       wordpress:latest   "docker-entrypoint.s..." 7 months ago    Up 9 minutes      80/tcp
6eae9a7ba08       mysql:latest       "docker-entrypoint.s..." 7 months ago    Up 7 weeks     3306/tcp
fc3ff065588e       wordpressje        "/bin/sh -c docker-e..." 7 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43000->22/tcp      wordpress_db_1
26822963286b       java-mysql         "/bin/sh -c docker-e..." 7 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43002->22/tcp      maraisevents
2037127136a2       wordpressje        "/bin/sh -c docker-e..." 7 months ago    Up 7 weeks     80/tcp, 0.0.0.0:43004->22/tcp      zeprofile
                                noorproductions

apoussot@boulmix: ~
└─$ docker exec -it garde bash
Error: No such container: garde
apoussot@boulmix: ~
└─$ docker exec -it gardechampetre bash
root@0f04da9de0df:/# apachectl status
/usr/sbin/apachectl: 113: /usr/sbin/apachectl: www-browser: not found
'www-browser -dump http://localhost:80/server-status' failed.
Maybe you need to install a package providing www-browser or you
need to adjust the APACHE_LYNX variable in /etc/apache2/envvars
root@0f04da9de0df:/# service apache status
apache: unrecognized service
root@0f04da9de0df:/# service apache2 status
[FAIL] apache2 is not running ... Failed!
root@0f04da9de0df:/# /etc/init.d/apache
apache-httcacheclean apache2
root@0f04da9de0df:/# /etc/init.d/apache2 start
[...] Starting Apache httpd web server: apache2AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.34. Set the 'ServerName' directive globally to suppress this message
^C
root@0f04da9de0df:/# exit
exit
apoussot@boulmix: ~

```

# CLI, le voir en vrai

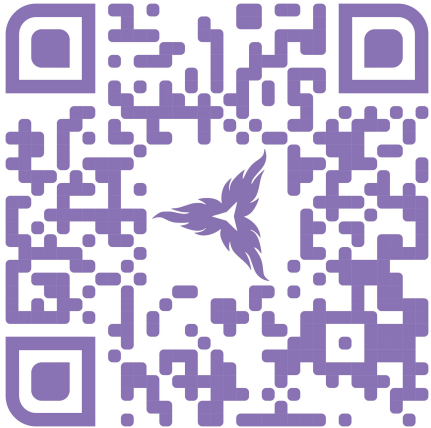




# Pour aller plus loin

## Tutoriels Ubuntu

- <https://tutorials.ubuntu.com/>



## Télécharger Ubuntu 18.04

- <https://ubuntu-fr.org/telechargement>



**QUESTIONS?**