

# [Alpine] Installation

## Introduction

Sur Alpine, l'installation n'est pas forcément triviale comme d'autres distributions Linux. Elle se fait généralement à l'aide d'un script qui nous pose des questions et va configurer le système selon nos réponses.



## Installation

Voici le lien vers la page de téléchargement pour les ISO :

- <https://alpinelinux.org/downloads/>

Une fois que vous avez démarré sur le live CD, il faudra se connecter avec l'utilisateur **root** (aucun mot de passe requis) :

```
ISOLINUX 6.04 6.04-pre1 ETCD Copyright (C) 1994-2015 H. Peter Anvin et al
boot:

OpenRC 0.52.1 is starting up Linux 6.6.14-0-lts (i686)

* /proc is already mounted
* Mounting /run ... [ ok ]
* /run/openrc: creating directory
* /run/lock: creating directory
* /run/lock: correcting owner
* Caching service dependencies ... [ ok ]
* Remounting devtmpfs on /dev ... [ ok ]
* Mounting /dev/mqueue ... [ ok ]
* Mounting modloop ... [ ok ]
* Verifying modloop [ ok ]
* Mounting security filesystem ... [ ok ]
* Mounting debug filesystem ... [ ok ]
* Mounting persistent storage (pstore) filesystem ... [ ok ]
* Starting busybox mdev ... [ ok ]
* Scanning hardware for mdev ... [ ok ]
* Loading hardware drivers ... [ ok ]
* Loading modules ... [ ok ]
* Setting system clock using the hardware clock [UTC] ... [ ok ]
* Checking local filesystems ... [ ok ]
* Remounting filesystems ... [ ok ]
* Mounting local filesystems ... [ ok ]
* Configuring kernel parameters ... [ ok ]
* Migrating /var/lock to /run/lock ... [ ok ]
* Creating user login records ... [ ok ]
* Cleaning /tmp directory ... [ ok ]
* Setting hostname ... [ ok ]
* Starting busybox syslog ... [ ok ]
* Starting firstboot ... [ ok ]

Welcome to Alpine Linux 3.19
Kernel 6.6.14-0-lts on an i686 (/dev/tty1)

localhost login: root
Welcome to Alpine!

The Alpine Wiki contains a large amount of how-to guides and general
information about administrating Alpine systems.
See <https://wiki.alpinelinux.org/>.

You can setup the system with the command: setup-alpine

You may change this message by editing /etc/NOTES.

localhost:~#
```

Pour que ce soit plus pratique, on commence par passer le clavier en AZERTY (il est en QWERTY par défaut) :

```
setup-keymap fr fr
```

On peut maintenant lancer le script d'installation :

```
setup-alpine
```

La configuration du clavier vous sera demandée :

```
localhost:~# setup-alpine

ALPINE LINUX INSTALL

Keymap
-----
af  al  am  ara  at  az  ba  bd  be  bg  br  brai  by  ca  ch  cm  cn  cz  de  dk  dz  ee  epo  es  fi  fo
fr  gb  ge  gh  gr  hr  hu  id  ie  il  in  iq  ir  is  it  jp  ke  kg  kr  kz  la  latam  lk  lt  lv  na
nd  nc  nk  nl  nn  mt  my  ng  nl  no  nz  ph  pk  pl  pt  ro  rs  ru  se  si  sk  sy  th  tj  tn  tr
tw  ua  us  uz  vn

Select keyboard layout: [none] fr

fr-afnor      fr-azerty      fr-bepo      fr-bepo_afnor      fr-bepo_latin9      fr-bre      fr-duorak
fr-geo        fr-latin9      fr-latin9_nodeadkeys  fr-mac      fr-nodeadkeys      fr-oci      fr-oss
fr-oss_latin9  fr-oss_nodeadkeys  fr-us      fr

Select variant (or 'abort'): fr-azerty

* WARNING: you are stopping a boot service
* Caching service dependencies ... [ ok ]
* Setting keymap ... [ ok ]
```

On saisit l'hostname :

```
Enter system hostname (fully qualified form, e.g. 'foo.example.org') [localhost] alpine
```

On saisit le nom de l'interface réseau à utiliser :

```
Interface
-----
Available interfaces are: eth0.
Enter '?' for help on bridges, bonding and vlans.
Which one do you want to initialize? (or '?' or 'done') [eth0] eth0
```

Ici, on va configurer l'adresse IP en statique donc on va directement saisir l'adresse, le masque et la passerelle :

```
Ip address for eth0? (or 'dhcp', 'none', '?') [dhcp] 192.168.10.11
Netmask? [255.255.255.0] 255.255.255.0
Gateway? (or 'none') [none] 192.168.10.254
Configuration for eth0:
  type=static
  address=192.168.10.11
  netmask=255.255.255.0
  gateway=192.168.10.254
Do you want to do any manual network configuration? (y/n) [n] y
```

Vous serez redirigé dans le fichier de configuration du réseau pour confirmer la configuration, faites la combinaison de touche :

**" : + q + ! + Enter "**

On définit le nom de domaine de la machine :

```
DNS domain name? (e.g 'bar.com') alpine.local
```

On saisit l'adresse du serveur DNS à utiliser :

```
DNS nameserver(s)? [1.1.1.1] 1.1.1.1
```

On définit le mot de passe de l'utilisateur root :

```
Root Password
-----
Changing password for root
New password:
Bad password: too weak
Retype password:
Passwords don't match
passwd: password for root is unchanged
Please retry.
Changing password for root
New password:
Retype password: _
```

Les mots de passe faibles ne sont pas autorisés !

On choisit la TimeZone :

```

Timezone
-----
Africa/      CET      Egypt    GMT+0    Iran      MST7MDT   Poland     UTC
America/     CST6CDT  Eire      GMT-0    Israel    Mexico/   Portugal   Universal
Antarctica/  Canada/  Etc/      GMT0     Jamaica   NZ        ROC        U-SU
Arctic/      Chile/   Europe/   Greenwich  Japan     NZ-CHAT   ROK        WET
Asia/        Cuba/   Factory  HST       KwaJalein NavaJo    Singapore  Zulu
Atlantic/    EET      GB        Hongkong  Libya     PRC       Turkey     leap-seconds.list
Australia/   EST      GB-Eire   Iceland   MET       PST8PDT   UCT        posixrules
Brazil/      EST5EDT  GMT       Indian/   MST       Pacific/  US/        right/

Which timezone are you in? [UTC] Europe
Amsterdam Berlin Chisinau Isle_of_Man Kyiv Malta Oslo Sanara Sofia Uzhgorod Warsaw
Andorra Bratislava Copenhagen Istanbul Lisbon Mariehamn Paris San_Marino Stockholm Vaduz Zagreb
Astrakhan Brussels Dublin Jersey Ljubljana Minsk Podgorica Sarajevo Tallinn Vatican Zaporozhye
Athens Bucharest Gibraltar Kaliningrad London Monaco Prague Saratov Tirane Vienna Zurich
Belfast Budapest Guernsey Kiev Luxembourg Moscow Riga Sinferopol Tiraspol Vilnius
Belgrade Busingen Helsinki Kirov Madrid Nicosia Rome Skopje Ulyanovsk Volgograd

What sub-timezone of 'Europe' are you in? Paris

```

Ici nous n'aurons pas de serveur Proxy donc on appuie simplement sur Entrée :

```

Proxy
-----
HTTP/FTP proxy URL? (e.g. 'http://proxy:8080', or 'none') [none]

```

Pour les miroirs, nous allons utiliser les plus rapides, comme cela est recommandé :

```

APK Mirror
-----
wget: bad address 'mirrors.alpinelinux.org'
wget: bad address 'mirrors.alpinelinux.org'
(f) Find and use fastest mirror
(s) Show mirrorlist
(r) Use random mirror
(e) Edit /etc/apk/repositories with text editor
(c) Community repo enable
(skip) Skip setting up apk repositories

Enter mirror number or URL: [1] 1_

```

Pour l'instant, nous ne configurerons pas d'utilisateur supplémentaire :

```

User
-----
Setup a user? (enter a lower-case loginname, or 'no') [no] no_

```

Pour le serveur SSH nous utiliserons openssh :

```

Which ssh server? ('openssh', 'dropbear' or 'none') [openssh] openssh

```

Ici, nous sommes dans un environnement de test donc nous allons autoriser la connexion en root en SSH (à ne pas reproduire en production) :

```

allow root ssh login? ('?' for help) [prohibit-password] yes

```

On ne configurera pas de clé SSH pour l'instant donc appuie sur Entrée :

```

Enter ssh key or URL for root (or 'none') [none]

```

On sélectionne le disque sur lequel on souhaite installer Alpine :

```
Disk & Install
-----
Available disks are:
sda  (10.7 GB QEMU   QEMU HARDDISK  )

Which disk(s) would you like to use? (or '?' for help or 'none') [none] sda_
```

On va configurer le disque en **sys** (système) :

```
The following disk is selected:
sda  (10.7 GB QEMU   QEMU HARDDISK  )

How would you like to use it? ('sys', 'data', 'crypt', 'lvm' or '?' for help) [?] sys_
```

On confirme le formatage du disque :

```
WARNING: The following disk(s) will be erased:
sda  (10.7 GB QEMU   QEMU HARDDISK  )

WARNING: Erase the above disk(s) and continue? (y/n) [n] y
```

Maintenant que le système est installé, on peut redémarrer :

```
alpine:~# reboot_
```

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