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# Installation FreshRSS

CFA Utec Avon

PERIER--PICARD Valentin

[Date]

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# Installation

## Plateforme

L'installation de FreshRSS se fera sur un VM Debian 12.7 dans mon cluster proxmox.

La VM a 4 cœurs et 4Go de RAM.

## Installation des dépendances

FreshRSS a besoin de Apache2, PHP et une base SQL ici MariaDB.

## Installation de Apache2

Sudo apt-get install apache2

```
valete@freshrss:~$ sudo apt-get install -y apache2
[sudo] password for valete:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libcurl4
  liblua5.3-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libcurl4
  liblua5.3-0 ssl-cert
0 upgraded, 11 newly installed, 0 to remove and 0 not upgraded.
Need to get 2,727 kB of archives.
After this operation, 9,224 kB of additional disk space will be used.
Get:1 http://deb.debian.org/debian bookworm/main amd64 libapr1 amd64 1.7.2-3 [102 kB]
Get:2 http://deb.debian.org/debian bookworm/main amd64 libaprutil1 amd64 1.6.3-1 [87.8 kB]
Get:3 http://deb.debian.org/debian bookworm/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.3-1 [13.6 kB]
Get:4 http://deb.debian.org/debian bookworm/main amd64 libaprutil1-ldap amd64 1.6.3-1 [11.8 kB]
Get:5 http://deb.debian.org/debian bookworm/main amd64 libcurl4 amd64 7.88.1-10+deb12u7 [390 kB]
Get:6 http://deb.debian.org/debian bookworm/main amd64 liblua5.3-0 amd64 5.3.6-2 [123 kB]
Get:7 http://deb.debian.org/debian bookworm/main amd64 apache2-bin amd64 2.4.62-1~deb12u1 [1,385 kB]
Get:8 http://deb.debian.org/debian bookworm/main amd64 apache2-data all 2.4.62-1~deb12u1 [160 kB]
Get:9 http://deb.debian.org/debian bookworm/main amd64 apache2-utils amd64 2.4.62-1~deb12u1 [210 kB]
Get:10 http://deb.debian.org/debian bookworm/main amd64 apache2 amd64 2.4.62-1~deb12u1 [223 kB]
Get:11 http://deb.debian.org/debian bookworm/main amd64 ssl-cert all 1.1.2 [21.1 kB]
Fetched 2,727 kB in 0s (25.1 MB/s)
Preconfiguring packages ...
Selecting previously unselected package libapr1:amd64.
(Reading database ... 28695 files and directories currently installed.)
Preparing to unpack .../00-libapr1_1.7.2-3_amd64.deb ...
Unpacking libapr1:amd64 (1.7.2-3) ...
Selecting previously unselected package libaprutil1:amd64.
Preparing to unpack .../01-libaprutil1_1.6.3-1_amd64.deb ...
Unpacking libaprutil1:amd64 (1.6.3-1) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../02-libaprutil1-dbd-sqlite3_1.6.3-1_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.3-1) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../03-libaprutil1-ldap_1.6.3-1_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.3-1) ...
Selecting previously unselected package libcurl4:amd64.
Preparing to unpack .../04-libcurl4_7.88.1-10+deb12u7_amd64.deb ...
Unpacking libcurl4:amd64 (7.88.1-10+deb12u7) ...
Selecting previously unselected package liblua5.3-0:amd64.
Preparing to unpack .../05-liblua5.3-0_5.3.6-2_amd64.deb ...
Unpacking liblua5.3-0:amd64 (5.3.6-2) ...
Selecting previously unselected package apache2-bin.
Preparing to unpack .../06-apache2-bin_2.4.62-1~deb12u1_amd64.deb ...
Unpacking apache2-bin (2.4.62-1~deb12u1) ...
```

On vérifie que le service est bien lancé :

Sudo systemctl status apache2

```
valette@freshrss:~$ sudo systemctl status apache2
* apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Thu 2024-10-03 15:17:36 CEST; 24s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 1338 (apache2)
     Tasks: 55 (limit: 4640)
    Memory: 21.5M
       CPU: 74ms
   CGroup: /system.slice/apache2.service
           └─1338 /usr/sbin/apache2 -k start
             └─1339 /usr/sbin/apache2 -k start
               └─1340 /usr/sbin/apache2 -k start

Oct 03 15:17:36 freshrss systemd[1]: Starting apache2.service - The Apache HTTP Server...
Oct 03 15:17:36 freshrss apache2ctl[1337]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message
Oct 03 15:17:36 freshrss systemd[1]: Started apache2.service - The Apache HTTP Server.
```

On va ensuite activer les différents modules nécessaires.

sudo a2enmod rewrite

sudo a2enmod deflate

sudo a2enmod headers

sudo a2enmod ssl

sudo systemctl restart apache2

sudo systemctl status apache2

```
valette@freshrss:~$ sudo a2enmod rewrite
Enabling module rewrite.
To activate the new configuration, you need to run:
  systemctl restart apache2
valette@freshrss:~$ sudo a2enmod deflate
Considering dependency filter for deflate:
Module filter already enabled
Module deflate already enabled
valette@freshrss:~$ sudo a2enmod headers
Enabling module headers.
To activate the new configuration, you need to run:
  systemctl restart apache2
valette@freshrss:~$ sudo a2enmod ssl
Considering dependency setenvif for ssl:
Module setenvif already enabled
Considering dependency mime for ssl:
Module mime already enabled
Considering dependency socache_shmcb for ssl:
Enabling module socache_shmcb.
Enabling module ssl.
See /usr/share/doc/apache2/README.Debian.gz on how to configure SSL and create self-signed certificates.
To activate the new configuration, you need to run:
  systemctl restart apache2
valette@freshrss:~$ sudo systemctl restart apache2
valette@freshrss:~$ sudo systemctl status apache2
* apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Thu 2024-10-03 15:20:06 CEST; 7s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 1539 ExecStart=/usr/sbin/apache2ctl start (code=exited, status=0/SUCCESS)
   Main PID: 1538 (apache2)
     Tasks: 55 (limit: 4640)
    Memory: 22.0M
       CPU: 65ms
   CGroup: /system.slice/apache2.service
           └─1538 /usr/sbin/apache2 -k start
             └─1539 /usr/sbin/apache2 -k start
               └─1540 /usr/sbin/apache2 -k start

Oct 03 15:20:06 freshrss systemd[1]: Starting apache2.service - The Apache HTTP Server...
Oct 03 15:20:06 freshrss apache2ctl[1537]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message
Oct 03 15:20:06 freshrss systemd[1]: Started apache2.service - The Apache HTTP Server.
valette@freshrss:~$
```

## Installation de PHP

Nous allons installer la dernière version de PHP :

Sudo apt-get install php

```
vd@laptop:~$ sudo apt-get install -y php
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libapache2-mod-php8.2 libsodium23 php-common php8.2-cli php8.2-common php8.2-opcache php8.2-readline psmisc
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php8.2 libsodium23 php php-common php8.2 php8.2-cli php8.2-common php8.2-opcache php8.2-readline psmisc
0 upgraded, 10 newly installed, 0 to remove and 0 not upgraded.
Need to get 4,936 kB of archives.
After this operation, 22.6 MB of additional disk space will be used.
Get:1 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-common amd64 8.2.24-1-deb12u1 [684 kB]
Get:2 http://deb.debian.org/debian bookworm/main amd64 psmisc amd64 23.6-1 [259 kB]
Get:3 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-opcache amd64 8.2.24-1-deb12u1 [345 kB]
Get:4 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-readline amd64 8.2.24-1-deb12u1 [12.4 kB]
Get:5 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-cli amd64 8.2.24-1-deb12u1 [1,737 kB]
Get:6 http://deb.debian.org/debian bookworm/main amd64 php-common all 2:93 [13.1 kB]
Get:7 http://deb.debian.org/debian bookworm/main amd64 libsodium23 amd64 1.0.18-1 [161 kB]
Get:8 http://deb.debian.org/debian bookworm/main amd64 php all 2:8.2+93 [3,628 B]
Get:9 http://security.debian.org/debian-security bookworm-security/main amd64 libapache2-mod-php8.2 amd64 8.2.24-1-deb12u1 [1,678 kB]
Get:10 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2 all 8.2.24-1-deb12u1 [42.3 kB]
Fetched 4,936 kB in 0s (31.6 MB/s)
Selecting previously unselected package psmisc.
(Reading database ... 29427 files and directories currently installed.)
Preparing to unpack .../0-psmisc_23.6-1_amd64.deb ...
Unpacking psmisc (23.6-1) ...
Selecting previously unselected package php-common.
Preparing to unpack .../1-php-common_2:93a93_all.deb ...
Unpacking php-common (2:93) ...
Selecting previously unselected package php8.2-common.
Preparing to unpack .../2-php8.2-common_8.2.24-1-deb12u1_amd64.deb ...
Unpacking php8.2-common (8.2.24-1-deb12u1) ...
Selecting previously unselected package php8.2-opcache.
Preparing to unpack .../3-php8.2-opcache_8.2.24-1-deb12u1_amd64.deb ...
Unpacking php8.2-opcache (8.2.24-1-deb12u1) ...
Selecting previously unselected package php8.2-readline.
Preparing to unpack .../4-php8.2-readline_8.2.24-1-deb12u1_amd64.deb ...
Unpacking php8.2-readline (8.2.24-1-deb12u1) ...
```

On peut ensuite installer les dépendances pour PHP :

```
sudo apt-get install -y php-pdo php-mysql php-ldap php-gd php-mbstring php-curl php-xml php-pear
php-bcmath php-json php-gmp
```

```
vd@laptop:~$ sudo apt-get install -y php-pdo php-mysql php-ldap php-gd php-mbstring php-curl php-xml php-pear php-bcmath php-json php-gmp
Reading package lists... Done
Building dependency tree... Done
Building state information... Done
Note, selecting 'php8.2-common' instead of 'php-pdo'
php8.2-common is already the newest version (8.2.24-1-deb12u1).
php8.2-common set to manually installed.
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libabsl20220623 libao3 libavif15 libavif6 libb265-0 libb265-0 libb265-0 libfontconfig1 libgavl-1 libgd3 libheif1 libjpeg62-turbo liblerc4 libonig5 libravie0 libsvtaviencl libtiff6
  libzip4 php-bcmath php-curl php-gd php-gmp php-json php-mbstring php-mysql php-pear php-xml oho-zio php8.2-bcmath php8.2-curl php8.2-gd php8.2-gmp php8.2-mbstring php8.2-mysql php8.2-xml php8.2-zip
Suggested packages:
  libgd-tools
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libabsl20220623 libao3 libavif15 libavif6 libb265-0 libb265-0 libb265-0 libfontconfig1 libgavl-1 libgd3 libheif1 libjpeg62-turbo liblerc4 libonig5 libravie0 libsvtaviencl libtiff6
  libzip4 php-bcmath php-curl php-gd php-gmp php-json php-mbstring php-mysql php-pear php-xml oho-zio php8.2-bcmath php8.2-curl php8.2-gd php8.2-gmp php8.2-mbstring php8.2-mysql php8.2-xml php8.2-zip
0 upgraded, 43 newly installed, 0 to remove and 0 not upgraded.
Need to get 12.4 MB of archives.
After this operation, 52.4 MB of additional disk space will be used.
Get:1 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-bcmath amd64 8.2.24-1-deb12u1 [15.4 kB]
Get:2 http://deb.debian.org/debian bookworm/main amd64 fontconfig-config all 2:37-6 [1,068 kB]
Get:3 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-curl amd64 8.2.24-1-deb12u1 [36.0 kB]
Get:4 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-gd amd64 8.2.24-1-deb12u1 [28.7 kB]
Get:5 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-gmp amd64 8.2.24-1-deb12u1 [21.8 kB]
Get:6 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-mbstring amd64 8.2.24-1-deb12u1 [443 kB]
Get:7 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-mysql amd64 8.2.24-1-deb12u1 [117 kB]
Get:8 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-xml amd64 8.2.24-1-deb12u1 [113 kB]
Get:9 http://security.debian.org/debian-security bookworm-security/main amd64 php8.2-zip amd64 8.2.24-1-deb12u1 [26.1 kB]
Get:10 http://deb.debian.org/debian bookworm/main amd64 fontconfig-config amd64 2.14.1-4 [315 kB]
Get:11 http://deb.debian.org/debian bookworm/main amd64 libabsl20220623 amd64 20220623.1-1 [391 kB]
Get:12 http://deb.debian.org/debian bookworm/main amd64 libao3 amd64 3.6.0-1-deb12u1 [1,851 kB]
Get:13 http://deb.debian.org/debian bookworm/main amd64 libavif15 amd64 1.0.0-2-deb12u1 [513 kB]
Get:14 http://deb.debian.org/debian bookworm/main amd64 libgavl-1 amd64 0.10.0-1+b1 [332 kB]
Get:15 http://deb.debian.org/debian bookworm/main amd64 libheif1 amd64 0.5.1-6 [763 kB]
Get:16 http://deb.debian.org/debian bookworm/main amd64 libravie0 amd64 1.4.1-dfsg-1 [2,121 kB]
Get:17 http://deb.debian.org/debian bookworm/main amd64 libjpeg62-turbo amd64 1:2.1.5-2 [186 kB]
Get:18 http://deb.debian.org/debian bookworm/main amd64 libonig5 amd64 0.98120220125.0252808-1 [186 kB]
Get:19 http://deb.debian.org/debian bookworm/main amd64 libavif15 amd64 0.11.1-1 [93.8 kB]
Get:20 http://deb.debian.org/debian bookworm/main amd64 libb265-0 amd64 1.0.11-1-deb12u2 [189 kB]
Get:21 http://deb.debian.org/debian bookworm/main amd64 libb265-0 amd64 1.14-1 [61.4 kB]
Get:22 http://deb.debian.org/debian bookworm/main amd64 libfontconfig1 amd64 2.14-1-4 [386 kB]
Get:23 http://deb.debian.org/debian bookworm/main amd64 libb265-193 amd64 3.5.2+b1 [1,196 kB]
Get:24 http://deb.debian.org/debian bookworm/main amd64 libheif1 amd64 1.15.1-1 [215 kB]
Get:25 http://deb.debian.org/debian bookworm/main amd64 libjpeg62-turbo amd64 2.1-6-1 [31.7 kB]
Get:26 http://deb.debian.org/debian bookworm/main amd64 liblerc4 amd64 4.0.0+ds-2 [178 kB]
Get:27 http://deb.debian.org/debian bookworm/main amd64 libwebp2 amd64 1.2.4-0.2-deb12u1 [286 kB]
Get:28 http://deb.debian.org/debian bookworm/main amd64 libtiff6 amd64 4.5.0-6-deb12u1 [316 kB]
Get:29 http://deb.debian.org/debian bookworm/main amd64 libxpm4 amd64 1:3.5.12-1.1-deb12u1 [48.6 kB]
Get:30 http://deb.debian.org/debian bookworm/main amd64 libgd3 amd64 2.3.3-9 [124 kB]
Get:31 http://deb.debian.org/debian bookworm/main amd64 libonig5 amd64 6.9.8-1 [188 kB]
Get:32 http://deb.debian.org/debian bookworm/main amd64 libsvtaviencl amd64 1.1-35-1 [242 kB]
```

## Installation de MariaDB

Nous allons installer la dernière version de MariaDB :

```
sudo apt-get install -y mariadb-server
```

```

maiete@freshrss:~$ sudo apt-get install -y mariadb-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  galera-4 gawk libfcgi-fast-perl libfcgi-pm-perl libclone-perl libconfig-inifiles-perl libdaxctl1 libdbd-mariadb-perl libdbi-perl libencode-locale-perl libfcgi-bin libfcgi-perl libfcgi0ldb1 libgpm2 libhtml-parser-perl
  libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl liblzo2-2 libmariadb3 libmpfr6 libncurses6 libndctl6 libpam1 libregexp-ipv6-perl libsigsegv2 libsnappy1v5 libterm-readkey-perl libtim
  mariadb-client-core mariadb-common mariadb-plugin-provider-bzip2 mariadb-plugin-provider-lz4 mariadb-plugin-provider-lzma mariadb-plugin-provider-lzo mariadb-plugin-provider-snappy mariadb-server-core mysql-commo
Suggested packages:
  gawk-doc libmaildbm-perl libnet-daemon-perl libssl-statement-perl gpm libdata-dump-perl libipc-sharedcache-perl libbusiness-isbn-perl libwww-perl mailx mariadb-test netcat-openbsd doc-base python3-braceexpand
The following NEW packages will be installed:
  galera-4 gawk libfcgi-fast-perl libfcgi-pm-perl libclone-perl libconfig-inifiles-perl libdaxctl1 libdbd-mariadb-perl libdbi-perl libencode-locale-perl libfcgi-bin libfcgi-perl libfcgi0ldb1 libgpm2 libhtml-parser-perl
  libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl liblzo2-2 libmariadb3 libmpfr6 libncurses6 libndctl6 libpam1 libregexp-ipv6-perl libsigsegv2 libsnappy1v5 libterm-readkey-perl libtim
  mariadb-client-core mariadb-common mariadb-plugin-provider-bzip2 mariadb-plugin-provider-lz4 mariadb-plugin-provider-lzma mariadb-plugin-provider-lzo mariadb-plugin-provider-snappy mariadb-server-core mysql-commo
0 upgraded, 47 newly installed, 0 to remove and 0 not upgraded.
Need to get 20.2 MB of archives.
After this operation, 197 MB of additional disk space will be used.
Get:1 http://deb.debian.org/debian bookworm/main amd64 libmpfr6 amd64 4.2.0-1 [701 kB]
Get:2 http://deb.debian.org/debian bookworm/main amd64 libsigsegv2 amd64 2.14-1 [37.2 kB]
Get:3 http://deb.debian.org/debian bookworm/main amd64 gawk amd64 1:5.2.1-2 [673 kB]
4% [3 gawk 4,212 B/673 kB 1%]
Get:4 http://deb.debian.org/debian bookworm/main amd64 mysql-common all 5.8+1.1.0 [6,636 B]
Get:5 http://deb.debian.org/debian bookworm/main amd64 mariadb-common all 1:10.11.6-0+deb12u1 [24.4 kB]
Get:6 http://deb.debian.org/debian bookworm/main amd64 galera-4 amd64 26.4.18-0+deb12u1 [835 kB]
Get:7 http://deb.debian.org/debian bookworm/main amd64 libdbi-perl amd64 1.643-4 [773 kB]
Get:8 http://deb.debian.org/debian bookworm/main amd64 libconfig-inifiles-perl all 3.000003-2 [45.9 kB]
Get:9 http://deb.debian.org/debian bookworm/main amd64 libmariadb3 amd64 1:10.11.6-0+deb12u1 [174 kB]
Get:10 http://deb.debian.org/debian bookworm/main amd64 libncurses6 amd64 6.4-4 [103 kB]
Get:11 http://deb.debian.org/debian bookworm/main amd64 mariadb-client-core amd64 1:10.11.6-0+deb12u1 [869 kB]
Get:12 http://deb.debian.org/debian bookworm/main amd64 mariadb-client amd64 1:10.11.6-0+deb12u1 [2,931 kB]
Get:13 http://deb.debian.org/debian bookworm/main amd64 libdaxctl1 amd64 76.1-1 [21.1 kB]
Get:14 http://deb.debian.org/debian bookworm/main amd64 libndctl6 amd64 76.1-1 [61.7 kB]
Get:15 http://deb.debian.org/debian bookworm/main amd64 libpam1 amd64 1.12.1-2 [90.0 kB]
Get:16 http://deb.debian.org/debian bookworm/main amd64 mariadb-server-core amd64 1:10.11.6-0+deb12u1 [7,249 kB]
Get:17 http://deb.debian.org/debian bookworm/main amd64 rsync amd64 3.2.7-1 [417 kB]
Get:18 http://deb.debian.org/debian bookworm/main amd64 socat amd64 1.7.4.2-2 [375 kB]
Get:19 http://deb.debian.org/debian bookworm/main amd64 mariadb-server amd64 1:10.11.6-0+deb12u1 [3,655 kB]
Get:20 http://deb.debian.org/debian bookworm/main amd64 libhtml-tagset-perl all 3.20-6 [11.7 kB]
Get:21 http://deb.debian.org/debian bookworm/main amd64 libregexp-ipv6-perl all 0.03-3 [5,212 B]
Get:22 http://deb.debian.org/debian bookworm/main amd64 liburi-perl all 5.17-1 [80.4 kB]
Get:23 http://deb.debian.org/debian bookworm/main amd64 libhtml-parser-perl amd64 3.81-1 [101 kB]
Get:24 http://deb.debian.org/debian bookworm/main amd64 libfcgi-pm-perl all 4.55-1 [220 kB]
Get:25 http://deb.debian.org/debian bookworm/main amd64 libfcgi0ldb1 amd64 2.4.2-2 [26.1 kB]
Get:26 http://deb.debian.org/debian bookworm/main amd64 libfcgi-perl amd64 0.82+ds-2 [25.2 kB]
Get:27 http://deb.debian.org/debian bookworm/main amd64 libfcgi-fast-perl all 1:2.15-1 [12.1 kB]

```

On peut ensuite faire l'installation sécurisé de MariaDB :

sudo mariadb-secure-installation

```

valete@freshrss: $ sudo mariadb-secure-installation

NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB
SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MariaDB to secure it, we'll need the current
password for the root user. If you've just installed MariaDB, and
haven't set the root password yet, you should just press enter here.

Enter current password for root (enter for none):
OK, successfully used password, moving on...

Setting the root password or using the unix_socket ensures that nobody
can log into the MariaDB root user without the proper authorisation.

You already have your root account protected, so you can safely answer 'n'.

Switch to unix_socket authentication [Y/n] n
... skipping.

You already have your root account protected, so you can safely answer 'n'.

Change the root password? [Y/n] n
... skipping.

By default, a MariaDB installation has an anonymous user, allowing anyone
to log into MariaDB without having to have a user account created for
them. This is intended only for testing, and to make the installation
go a bit smoother. You should remove them before moving into a
production environment.

Remove anonymous users? [Y/n] n
... skipping.

Normally, root should only be allowed to connect from 'localhost'. This
ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n]
... Success!

By default, MariaDB comes with a database named 'test' that anyone can
access. This is also intended only for testing, and should be removed
before moving into a production environment.

Remove test database and access to it? [Y/n]
- Dropping test database...
... Success!
- Removing privileges on test database...
... Success!

Reloading the privilege tables will ensure that all changes made so far
will take effect immediately.

Reload privilege tables now? [Y/n]
... Success!

Cleaning up...

All done! If you've completed all of the above steps, your MariaDB
installation should now be secure.

Thanks for using MariaDB!
valete@freshrss: $

```

On peut ensuite se connecter à MariaDB et créer les bases nécessaires pour FreshRSS.

```
sudo mariadb -u root -p
```

```
CREATE DATABASE web_freshrss;
```

```
CREATE USER 'admbdd_freshrss'@'localhost' IDENTIFIED BY 'MOT DE PASSE';
```

```
GRANT ALL PRIVILEGES ON web_freshrss.* TO admbdd_freshrss@localhost;
FLUSH PRIVILEGES;
EXIT;
```

## Installation de FreshRSS

Pour installer FreshRSS nous avons besoin de git.

On peut le télécharger en faisant :

```
Sudo apt-get install git
```

On peut ensuite aller dans le dossier /tmp et clone le github de FreshRSS

```
valete@freshrss:~$ cd /tmp
valete@freshrss:~/tmp$
valete@freshrss:~/tmp$ git clone https://github.com/FreshRSS/FreshRSS
Cloning into 'FreshRSS'...
remote: Enumerating objects: 58328, done.
remote: Counting objects: 100% (8729/8729), done.
remote: Compressing objects: 100% (916/916), done.
remote: Total 58328 (delta 8264), reused 7879 (delta 7812), pack-reused 49599 (from 1)
Receiving objects: 100% (58328/58328), 25.96 MiB | 21.72 MiB/s, done.
Resolving deltas: 100% (43687/43687), done.
```

On va ensuite le copier dans les dossiers web de apache2 et lui attribuer les bonnes permissions :

```
sudo mv /tmp/FreshRSS /var/www/html/
```

```
sudo chown -R www-data:www-data /var/www/html/FreshRSS
```

```
sudo find /var/www/html/FreshRSS -type f -exec chmod 644 {} \;
```

```
sudo find /var/www/html/FreshRSS -type d -exec chmod 755 {} \;
```

On peut aussi supprimer la page par default de apache2 :

```
sudo rm /var/www/html/index.html
```

## Fin d'installation via l'interface graphique

### Installation · FreshRSS: étape 1

À propos FreshRSS est un agrégateur de flux RSS à auto-héberger. Il se veut léger et facile à prendre en main tout en étant un outil puissant et paramétrable.

Site du projet <https://freshrss.org>

Documentation <https://freshrss.github.io/FreshRSS/>

Version 1.25.0-dev

### Choisissez la langue pour FreshRSS

Langue

Valider

## Installation · FreshRSS: étape 2

### Installation de PHP

Ok ! Votre version de PHP est la 8.2.24, qui est compatible avec FreshRSS.

Ok ! Vous disposez de PDO et d'au moins un des drivers supportés (pdo\_mysql, pdo\_sqlite, pdo\_pgsql).

Ok ! Vous disposez de cURL.

Ok ! Vous disposez de l'extension recommandée JSON.

Ok ! Vous disposez de la librairie pour les expressions régulières (PCRE).

Ok ! Vous disposez de la librairie pour la vérification des types de caractères (ctype).

Ok ! Vous disposez de la librairie pour parcourir le DOM.

Ok ! Vous disposez de la librairie requise pour XML.

Ok ! Vous disposez de la librairie recommandée mbstring pour Unicode.

Ok ! Vous disposez de fileinfo.

### Installation des fichiers

Ok ! Les droits sur le répertoire de data sont bons.

Ok ! Les droits sur le répertoire de cache sont bons.

Ok ! Les droits sur le répertoire temporaire sont bons.

Ok ! Les droits sur le répertoire des utilisateurs sont bons.

Ok ! Les droits sur le répertoire des favicons sont bons.

[Passer à l'étape suivante](#)

## Installation · FreshRSS: étape 3

### Configuration de la base de données

Type de base de données

Hôte

Nom d'utilisateur pour base de données

Mot de passe pour base de données



Base de données

Préfixe des tables

## Installation · FreshRSS: étape 4

### Configuration générale

Nom de l'utilisateur par défaut

16 caractères alphanumériques maximum

Méthode d'authentification

Mot de passe (pour connexion par formulaire)



7 caractères minimum

## Installation · FreshRSS: étape 5

**Félicitations !** L'installation s'est bien passée.

On peut ensuite se connecté à l'application :

## Connexion

Nom d'utilisateur

Mot de passe



Rester connecté (90 jours)

Connexion

## Ajout de FreshRSS sur le proxy

Pour accéder a FreshRSS via l'exterieur et continuer ma veille continuellement et lire les postes RSS dans le bus.

J'ajoute une entré DNS sur cloudflare sur le subdomain veille.valete.fr pour accéder a FreshRSS :

<input type="checkbox"/>	A	veille	82.67.44.197	Proxied	Automatique	Modifier ▶
--------------------------	---	--------	--------------	---------	-------------	------------

Puis j'ajoute le serveur dans la configuration de Nginx server

```
server {
    listen 443 ssl;

    server_name veille.valete.fr;

#    ssl on;
    ssl_certificate /etc/letsencrypt/live/veille.valete.fr/fullchain.pem;
    ssl_certificate_key /etc/letsencrypt/live/veille.valete.fr/privkey.pem;

    location / {
        proxy_set_header Host $http_host;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection "upgrade";
        proxy_pass http://10.0.10.1:8888/;
        proxy_pass_request_headers on;
        proxy_buffering off;
        client_max_body_size 0;
        proxy_connect_timeout 3600s;
        proxy_read_timeout 3600s;
        proxy_send_timeout 3600s;
        send_timeout 3600s;
    }
}
```

Je peux ensuite générer un certificat let's encrypt avec certbot :

```
valete@proxy: $ sudo certbot certonly
Saving debug log to /var/log/letsencrypt/letsencrypt.log
Error while running nginx -t /etc/nginx/nginx.conf : 1.

2024/10/03 15:54:46 [emerg] 86771088721: cannot load certificate "/etc/letsencrypt/live/veille.valete.fr/fullchain.pem": BIO
n, r) error:10000000:020 routines:mgm_load:loading failed:../crypto/bio/bio.c:439:
nginx: configuration file /etc/nginx/nginx.conf test failed

How would you like to authenticate with the ACME CA?
-----
1: Nginx Web Server plugin (nginx) [Misconfigured]
2: Runs an HTTP server locally which serves the necessary validation files under
the /.well-known/acme-challenge/ request path. Suitable if there is no HTTP
server already running. HTTP challenge only (wildcards not supported).
(standalone)
3: Saves the necessary validation files to a .well-known/acme-challenge/
directory within the nominated webroot path. A separate HTTP server must be
running and serving files from the webroot path. HTTP challenge only (wildcards
not supported). (webroot)
-----
Select the appropriate number [1-3] then [enter] (press 'c' to cancel): 2
Please enter the domain name(s) you would like on your certificate (comma and/or
space separated) (Enter 'c' to cancel): veille.valete.fr
Requesting a certificate for veille.valete.fr

Successfully received certificate.
Certificate is saved at: /etc/letsencrypt/live/veille.valete.fr/fullchain.pem
Key is saved at: /etc/letsencrypt/live/veille.valete.fr/privkey.pem
This certificate expires on 2025-01-01.
These files will be updated when the certificate renews.
Certbot has set up a scheduled task to automatically renew this certificate in the background.

-----
If you like Certbot, please consider supporting our work by:
* Donating to ISRG / Let's Encrypt: https://letsencrypt.org/donate
* Donating to EFF: https://eff.org/donate-le
-----
valete@proxy: $
```

On peut ensuite restart nginx.

## Conclusion

FreshRSS est maintenant accessible de n'importe où en https.

Il ne reste plus qu'à ajouté des fluxRSS dans l'application et de se garder a jour.