Tp réseau IredMail hawa ba

Nous allons tout d'abord mettre à jour le système

```
hawa@mail:~$ sudo apt update && sudo apt upgrade
[sudo] Mot de passe de hawa :
Atteint :1 http://sn.archive.ubuntu.com/ubuntu jammy InRelease
```

Puis nous allons configurer le nom de l'hote

```
done
hawa@mail:~$ hostnamectl set-hostname mail.smarttech.sn
hawa@mail:~$
```

Votre texte de paragraphe

Nous allons ajouter une entrée dans le fichier /etc/hosts pour associer l'IP à ce nom avec la commande : nano /etc/hosts

Voici le contenu du fichier : nous avons mis le nom de notre hôte

```
GNU nano 6.2                                          /etc/hosts
127.0.0.1          localhost mail.smarttech.sn mail
127.0.1.1          hawa-VirtualBox
192.168.1.230      mail.smarttech.sn
192.168.1.230      smarttech.sn


# The following lines are desirable for IPv6 capable hosts
::1        ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```

Nous allons ensuite télécharger et installer la dernière version de iRedMail sur leur site officiel

Nous allons d'abord faire une vérification du nom d'hote

```
hawa@mail:~$ hostname -f
localhost
hawa@mail:~$
```

Puis nous allons installer les paquets wget , curl et dialog nécessaires

```
hawa@mail:~$ sudo apt install wget curl dialog -y
[sudo] Mot de passe de hawa :
Lecture des listes de paquets... Fait
```

Puis nous allons télécharger la dernière version de iRedMail et ensuite décompresser notre fichier télécharger et nous y placer :

```
hawa@mail:~$ wget https://github.com/iredmail/iRedMail/archive/refs/tags/1.7.1.
tar.gz
--2024-12-17 22:04:24--  https://github.com/iredmail/iRedMail/archive/refs/tags
```
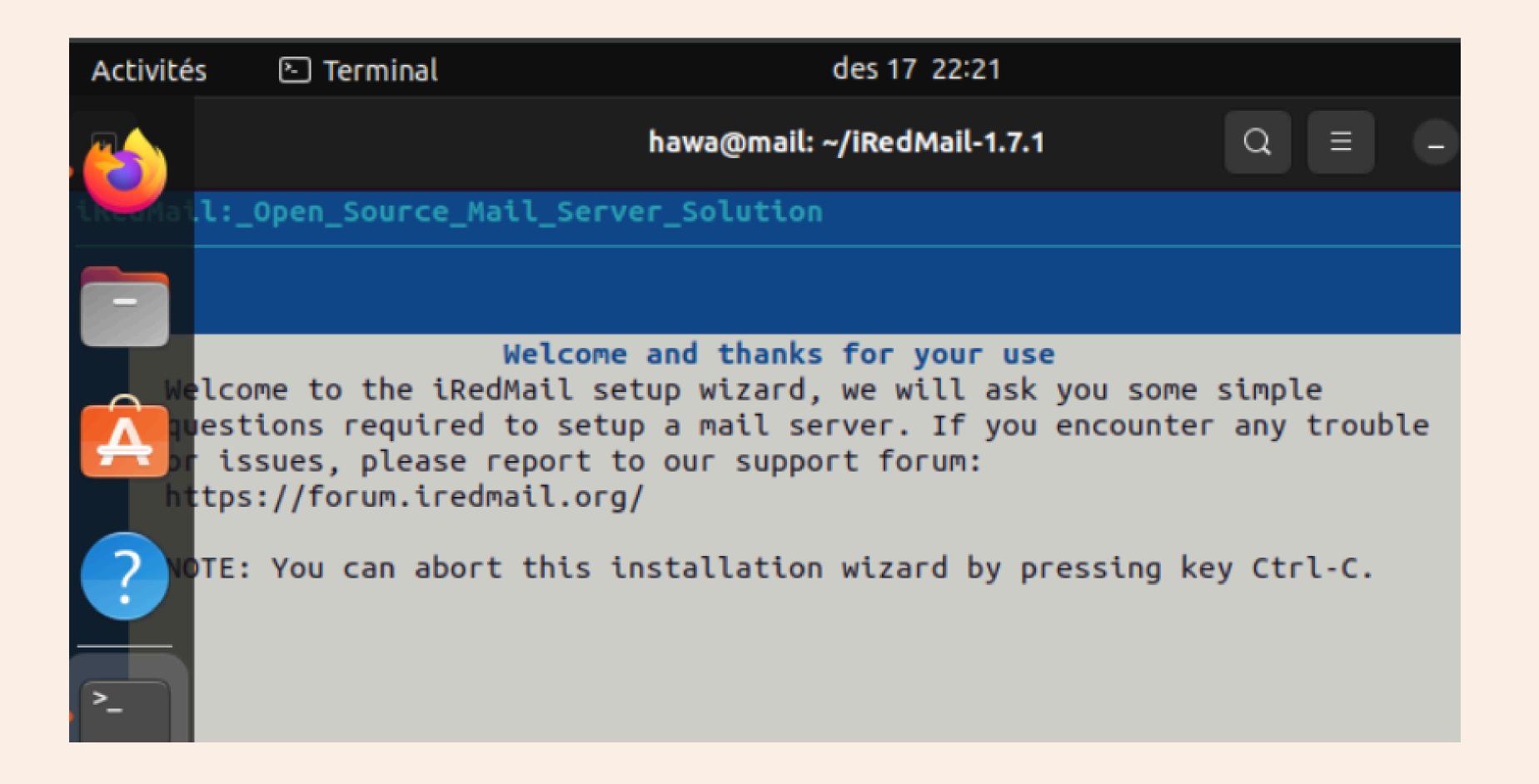
```
hawa@mail:~$ tar xvf 1.7.1.tar.gz
iRedMail-1.7.1/
iRedMail-1.7.1/.github/
```

```
hawa@mail:~$ cd iRedMail-1.7.1/
hawa@mail:~/iRedMail-1.7.1$
```

Ensuite nous allons lancer l'installation en éxécutant le script avec la commande : sudo bash iRedMail.sh

Nous verrons sur les images suivantes avec :

- le chemin d'installation par défaut /var/vmail
- sélectionner la base de données MariaDB qui est facile de configuration
- configuration de données avec le nom de domaine
- définir un mot de passe d'administrateur
- choisir les composantes telles que : Roundcubemail - netdata - iRedAdmin et Fail2ban

hawa@mail: ~/iRedMail-1.7.1

iRedMail:_Open_Source_Mail_Server_Solution

Welcome and thanks for your use

Welcome to the iRedMail setup wizard, we will ask you some simple questions required to setup a mail server. If you encounter any trouble or issues, please report to our support forum:
https://forum.iredmail.org/

NOTE: You can abort this installation wizard by pressing key Ctrl-C.

Default mail storage path

Please specify a directory (in lowercase) used to store user mailboxes.
Default is: /var/vmail

NOTES:

* Depends on the mail traffic, it may take large disk space.
* Maildir path will be converted to lowercases, so please create this
  directory in lowcases.
* It cannot be /var/mail or /root.
* Mailboxes will be stored under its sub-directory: /var/vmail/vmail1/
* Daily backup of SQL/LDAP databases will be stored under another
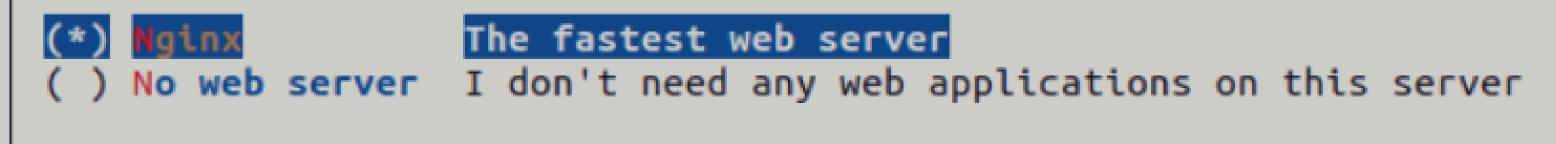sub-directory: /var/vmail/backup.

```
/var/vmail
```

< Next >

Preferred web server

Choose a web server you want to run.

TIP: Use SPACE key to select item.

```
(*) Nginx            The fastest web server
( ) No web server    I don't need any web applications on this server
```

< Next >

Choose preferred backend used to store mail accounts

It's strongly recommended to choose the one you're familiar with for easy maintenance. They all use the same webmail (Roundcube) and admin panel (iRedAdmin), and no big feature differences between them.

TIP: Use SPACE key to select item.

```
( ) OpenLDAP      An_open_source_implementation_of_LDAP_protocol
(*) MariaDB       An_enhanced,_drop-in_replacement_for_MySQL
( ) PostgreSQL    Powerful,_open_source_database_system
```

< Next >

Password for MySQL administrator: root

Please specify password for MySQL administrator root on server
127.0.0.1.

WARNING:

* Do *NOT* use double quote (") in password.
* EMPTY password is *NOT* permitted.
* Sample password: cFmu7wtr3LVwYOh5Wt177ddBHg5avxC4

```
*
```

< Next >

Your first mail domain name

Please specify your first mail domain name.

EXAMPLE:

* example.com

WARNING:

It can *NOT* be the same as server hostname: mail.smarttech.sn.

We need Postfix to accept emails sent to system accounts (e.g. root), if your mail domain is same as server hostname, Postfix won't accept any email sent to this mail domain.

```
mail.smarttech.sn
```

< Next >

Your first mail domain name

Please specify your first mail domain name.

EXAMPLE:

* example.com

WARNING:

It can *NOT* be the same as server hostname: mail.smarttech.sn.

We need Postfix to accept emails sent to system accounts (e.g. root), if your mail domain is same as server hostname, Postfix won't accept any email sent to this mail domain.

```
mail.smarttech.sn
```

< Next >

Your first mail domain name

Please specify your first mail domain name.

EXAMPLE:

* example.com

WARNING:

It can *NOT* be the same as server hostname: mail.smarttech.sn.

We need Postfix to accept emails sent to system accounts (e.g. root), if your mail domain is same as server hostname, Postfix won't accept any email sent to this mail domain.

```
mail.smarttec.sn
```

< Next >

Password for the mail domain administrator

Please specify password for the mail domain administrator:

* postmaster@mail.smarttec.sn

You can login to webmail and iRedAdmin with this account.

WARNING:

* Do *NOT* use special characters (like $, white space) in password.
* EMPTY password is *NOT* permitted.
* Sample password: UEmnzTy5vDgY8iZGiQZqqcawKUYOaVzV

```
*
```

< Next >

Optional components

* DKIM signing/verification and SPF validation are enabled by default.
* DNS records for SPF and DKIM are required after installation.

Refer to below file for more detail after installation:

* /home/hawa/iRedMail-1.7.1/iRedMail.tips

```
[*] Roundcubemail    Fast_and_lightweight_webmail
[ ] SOGo             Webmail,_Calendar,_Address_book,_ActiveSync
[*] netdata          Awesome_system_monitor
[*] iRedAdmin        Official_web-based_Admin_Panel
[*] Fail2ban         Ban_IP_with_too_many_password_failures
```

< Next >

```
********************************************************************
********************** WARNING ************************************
********************************************************************
*                                                                *
* Below file contains sensitive infomation (username/password), please *
* do remember to *MOVE* it to a safe place after installation.    *
*                                                                *
*    * /home/hawa/iRedMail-1.7.1/config                          *
*                                                                *
********************************************************************
******************** Review your settings ***********************
********************************************************************


* Storage base directory:              /var/vmail
* Mailboxes:
* Daily backup of SQL/LDAP databases:
* Store mail accounts in:              MariaDB
* Web server:                          Nginx
* First mail domain name:              mail.smarttec.sn
* Mail domain admin:                   postmaster@mail.smarttec.sn
* Additional components:               Roundcubemail netdata iRedAdmin Fail2ban

< Question > Continue? [y|N]
```

```
Processing triggers for php8.1-fpm (8.1.2-1ubuntu2.20) ...

********************************************************************
* Start iRedMail Configurations
********************************************************************
[ INFO ] Generate self-signed SSL cert (4096 bits, expire in 10 years).
[ INFO ] Generate Diffie Hellman Group with openssl, please wait.
[ INFO ] Create required system accounts.
[ INFO ] Configure MariaDB database server.
[ INFO ] Setup daily cron job to backup SQL databases with /var/vmail/backup/back
ql.sh
[ INFO ] Configure Postfix (MTA).
[ INFO ] Configure Dovecot (POP3/IMAP/Managesieve/LMTP/LDA).
[ INFO ] Configure Nginx web server.
[ INFO ] Configure PHP.
[ INFO ] Configure mlmmj (mailing list manager).
[ INFO ] Configure ClamAV (anti-virus toolkit).
[ INFO ] Configure Amavisd-new (interface between MTA and content checkers).
[ INFO ] Configure SpamAssassin (content-based spam filter).
[ INFO ] Configure iRedAPD (postfix policy daemon).
[ INFO ] Configure iRedAdmin (official web-based admin panel).
[ INFO ] Configure Roundcube webmail.
[ INFO ] Configure Fail2ban (authentication failure monitor).
[ INFO ] Configure netdata (system and application monitor).
touch: cannot touch '/opt/netdata/etc/netdata/.opt-out-from-anonymous-statistics'
uch file or directory
```

```
**********************************************************************
* URLs of installed web applications:
*
* - Roundcube webmail: https://mail.smarttech.sn/mail/
* - netdata (monitor): https://mail.smarttech.sn/netdata/
*
* - Web admin panel (iRedAdmin): https://mail.smarttech.sn/iredadmin/
*
* You can login to above links with below credential:
*
* - Username: postmaster@mail.smarttec.sn
* - Password: 1
*
**********************************************************************
* Congratulations, mail server setup completed successfully. Please
* read below file for more information:
*
*    - /home/hawa/iRedMail-1.7.1/iRedMail.tips
*
* And it's sent to your mail account postmaster@mail.smarttec.sn.
*
******************* WARNING ******************************************
*
* Please reboot your system to enable all mail services.
*
**********************************************************************
hawa@mail:~/iRedMail-1.7.1$
```

A la fin de l'installation nou;s allons redémarrer le serveur pour qu'il puisse prendre en compte les changements avec la commande : sudo reboot . Puis nous allons accéder à l'interface Web

```
hawa@mail: ~/iRedMail-1.7.1

●postfix.service - Postfix Mail Transport Agent
     Loaded: loaded (/lib/systemd/system/postfix.service; enabled; vendor pres>
     Active: active (exited) since Tue 2024-12-17 22:58:44 GMT; 42min ago
       Docs: man:postfix(1)
    Process: 2522 ExecStart=/bin/true (code=exited, status=0/SUCCESS)
   Main PID: 2522 (code=exited, status=0/SUCCESS)
        CPU: 3ms

des 17 22:58:44 mail.smarttech.sn systemd[1]: Starting Postfix Mail Transport >
des 17 22:58:44 mail.smarttech.sn systemd[1]: Finished Postfix Mail Transport >

●dovecot.service - Dovecot IMAP/POP3 email server
     Loaded: loaded (/lib/systemd/system/dovecot.service; enabled; vendor pres>
     Active: active (running) since Tue 2024-12-17 22:58:21 GMT; 42min ago
       Docs: man:dovecot(1)
             https://doc.dovecot.org/
   Main PID: 1000 (dovecot)
     Status: "v2.3.16 (7e2e900c1a) running"
      Tasks: 10 (limit: 5680)
     Memory: 17.2M
        CPU: 419ms
     CGroup: /system.slice/dovecot.service
             ├─1000 /usr/sbin/dovecot -F
             ├─1131 dovecot/lmtp -L
             ├─1132 dovecot/anvil
             ├─1133 dovecot/log
             ├─1134 dovecot/lmtp -L
             ├─1135 dovecot/lmtp -L
lines 1-28
```

```
mariadb.service - MariaDB 10.6.18 database server
   Loaded: loaded (/lib/systemd/system/mariadb.ser
  Drop-In: /etc/systemd/system/mariadb.service.d
           └─override.conf
   Active: active (running) since Tue 2024-12-17 2
     Docs: man:mariadbd(8)
```

```
hawa@mail:~/iRedMail-1.7.1$ sudo ufw allow 25,80,443,587,993,995/tcp
[sudo] Mot de passe de hawa :
Les règles ont été mises à jour
Les règles ont été mises à jour (IPv6)
hawa@mail:~/iRedMail-1.7.1$
```

```
Les règles ont été mises à jour (IPv6)
hawa@mail:~/iRedMail-1.7.1$ sudo ufw enable
Le pare-feu est actif et lancé au démarrage du système
hawa@mail:~/iRedMail-1.7.1$
```

Finishhhhhhhhhh