



Sur votre AD vous allez créer un nouvel "hôte A" en attribuant l'adresse IP de votre Debian  
Puis un nouvel Alias "CNAME" qui va pointer vers votre "hôte A" nouvellement créé

 mail	Hôte (A)	172.16.30.5	statique
 mailer	Alias (CNAME)	mail.Assur-mer.fr.	statique

Après avoir installer un debian 11 faites un

apt update  
apt upgrade

dans l'invité de commande pour avoir Debian à jour

puis

wget <https://github.com/iredmail/iRedMail/archive/refs/tags/1.5.2.tar.gz>

*Cela permet de récupérer en ligne le fichier comprenant le logiciel iRedMail*

```
root@CMK:~# wget https://github.com/iredmail/iRedMail/archive/refs/tags/1.5.2.tar.gz
--2022-04-15 11:40:44-- https://github.com/iredmail/iRedMail/archive/refs/tags/1.5.2.tar.gz
Resolving github.com (github.com)... 140.82.121.3
Connecting to github.com (github.com)|140.82.121.3|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://codeload.github.com/iredmail/iRedMail/tar.gz/refs/tags/1.5.2 [following]
--2022-04-15 11:40:44-- https://codeload.github.com/iredmail/iRedMail/tar.gz/refs/tags/1.5.2
Resolving codeload.github.com (codeload.github.com)... 140.82.121.9
Connecting to codeload.github.com (codeload.github.com)|140.82.121.9|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [application/x-gzip]
Saving to: '1.5.2.tar.gz'

1.5.2.tar.gz                               [ <=> ] 237.82K --.-KB/s   in 0.09s
2022-04-15 11:40:44 (2.46 MB/s) - '1.5.2.tar.gz' saved [243529]
```

tar xzf 1.5.2.tar.gz

*cela permet de dézipper le fichier que vous venez de télécharger*

rm 1.5.2.tar.gz

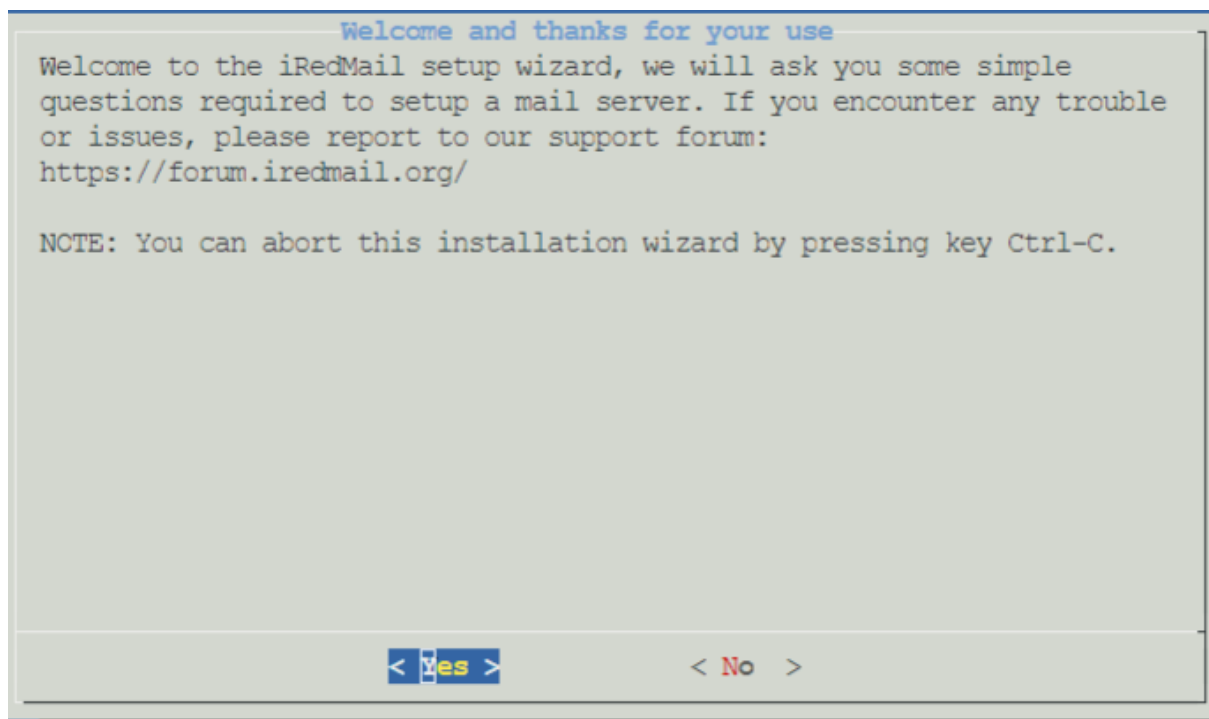
*Pour supprimer le fichier zippé*

cd iRedMail-1.5.2/

*Pour accéder au dossier que vous venez de vous dézipper*

bash iRedMail.sh

*Cela permet de lancer le script iRedMail.sh, attendez quelques minutes, vous allez voir cette fenêtre apparaître*



*faites "yes" (touche espace), ensuite choisissez votre chemin d'accès pour stocker les boîtes mail puis next*

**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 >**

*on choisi le server web nginx pour le serveur mail, puis next*

**Preferred web server**

Choose a web server you want to run.

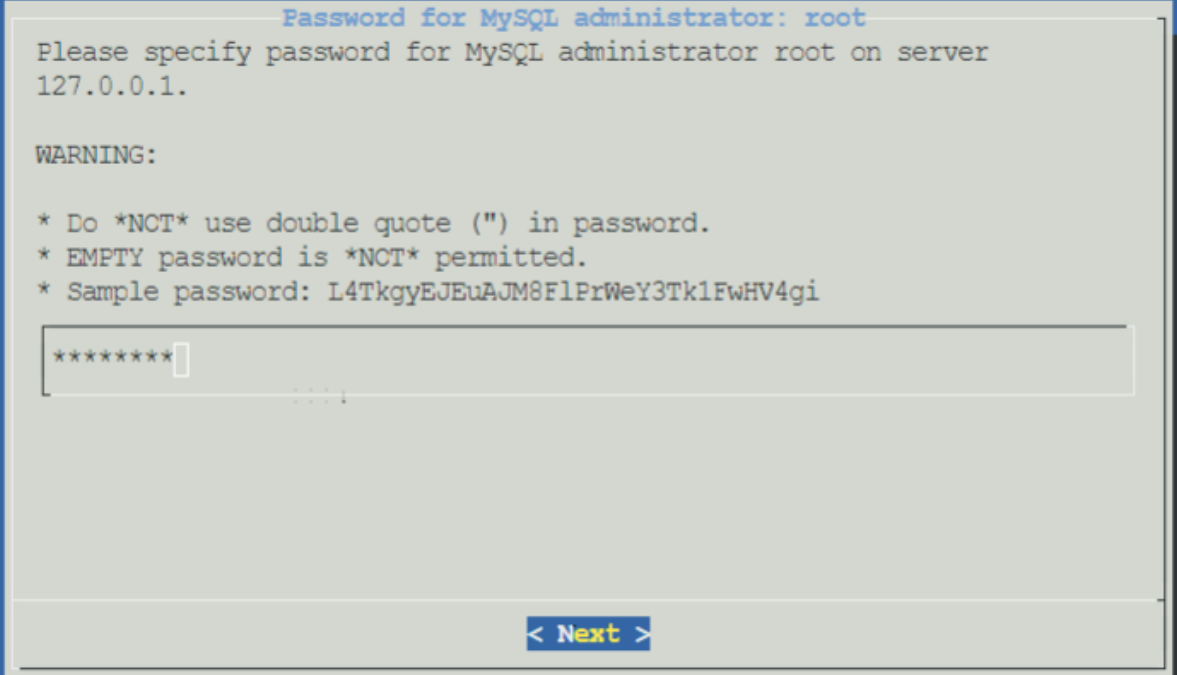
TIP: Use SPACE key to select item.

(*)	<b>Nginx</b>	<b>The fastest web server</b>
( )	No web server	I don't need any web applications on this server

**< Next >**



Créez un mot de passe pour la base de donnée mySQL



A screenshot of a terminal window showing a MySQL password creation dialog. The title bar reads "Password for MySQL administrator: root". The text inside says "Please specify password for MySQL administrator root on server 127.0.0.1." followed by a "WARNING:" section with three bullet points: "\* Do \*NOT\* use double quote (") in password.", "\* EMPTY password is \*NOT\* permitted.", and "\* Sample password: L4TkgyEJEuAJM8FlPrWeY3Tk1FwHV4gi". Below this is a text input field containing "\*\*\*\*\*" and a cursor. At the bottom is a blue button with the text "< Next >".

Password for MySQL administrator: root

Please specify password for MySQL administrator root on server 127.0.0.1.

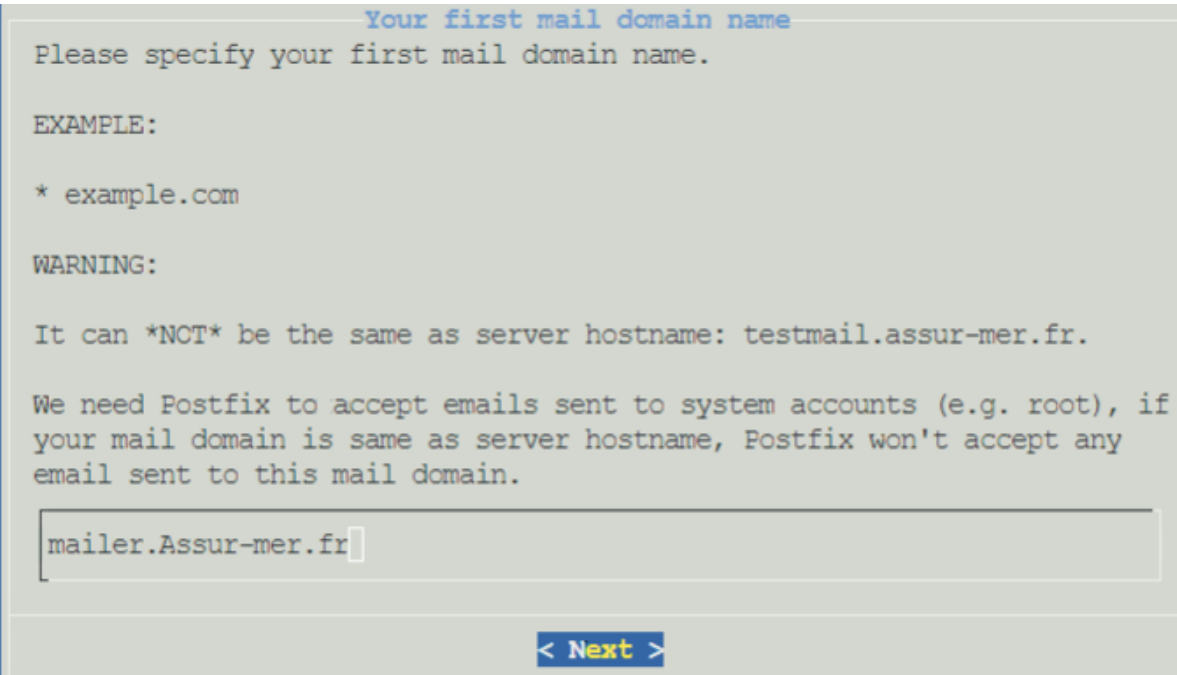
WARNING:

- \* Do \*NOT\* use double quote (") in password.
- \* EMPTY password is \*NOT\* permitted.
- \* Sample password: L4TkgyEJEuAJM8FlPrWeY3Tk1FwHV4gi

\*\*\*\*\*

< Next >

Ici, vous allez renseigner l'alias que vous avez créé dans votre AD au début du tutoriel, ici mailer.Assur-mer.fr



A screenshot of a terminal window showing a mail domain name configuration dialog. The title bar reads "Your first mail domain name". The text inside says "Please specify your first mail domain name." followed by an "EXAMPLE:" section with one bullet point: "\* example.com". Below this is a "WARNING:" section with the text "It can \*NOT\* be the same as server hostname: testmail.assur-mer.fr." and a paragraph: "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." Below this is a text input field containing "mailer.Assur-mer.fr" and a cursor. At the bottom is a blue button with the text "< 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: testmail.assur-mer.fr.

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.

mailer.Assur-mer.fr

< Next >

*Renseignez un mot de passe admin*

Password for the mail domain administrator

Please specify password for the mail domain administrator:

\* postmaster@mailier.assur-mer.fr

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: TTM9iveybakpIC4yEwtCarv1DvA53b1I

\*\*\*\*\*

< Next >

*Choisissez Roundcubemail, Netdata, iRedmail, et Fail2ban comme composant optionnel*

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:

\* /root/iRedMail-1.5.2/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 information (username/password), please
* do remember to *MOVE* it to a safe place after installation.
*
* * /root/iRedMail-1.5.2/config
*
*****
***** Review your settings *****
*****

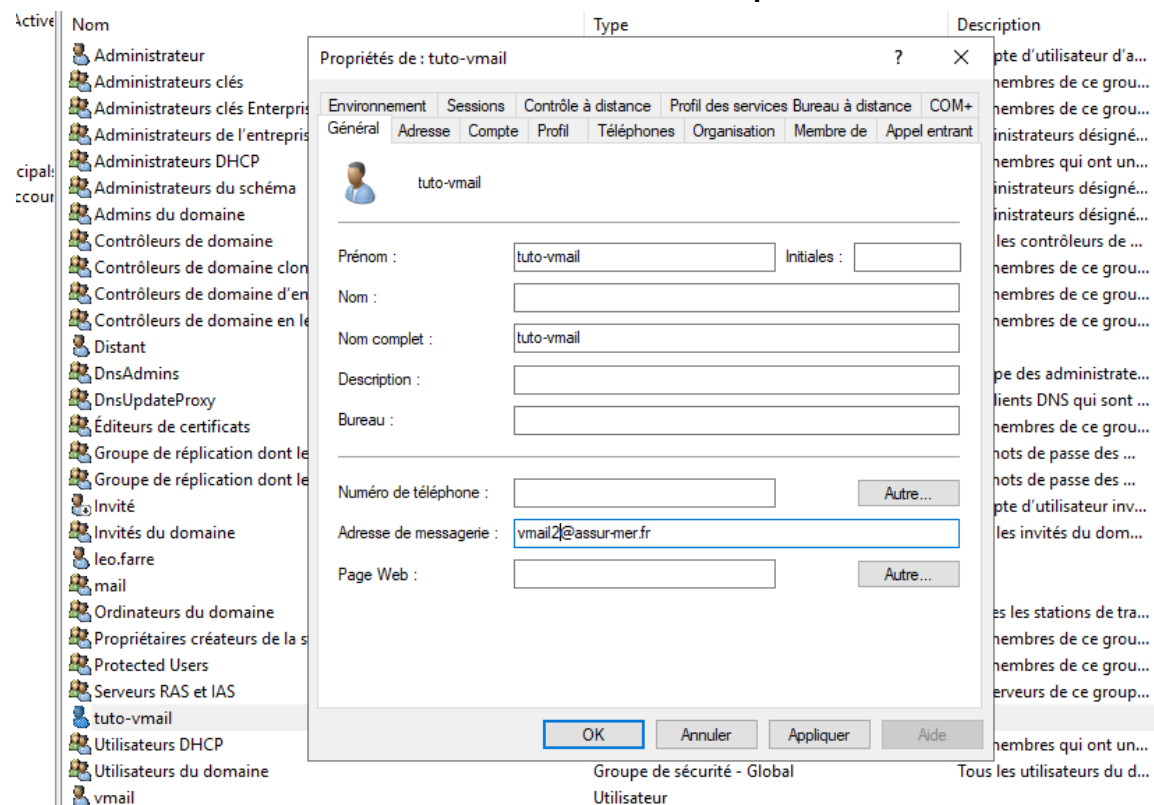
* Storage base directory:          /var/vmail
* Mailboxes:
* Daily backup of SQL/LDAP databases:
* Store mail accounts in:         OpenLDAP
* Web server:                     Nginx
* First mail domain name:         mailer.assur-mer.fr
* Mail domain admin:              postmaster@mailer.assur-mer.fr
*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

< Question > Continue? [y|N]

```

Si les informations vous semblent correcte, faites “y” pour Yes (oui)  
faites ensuite 2 fois “y”

**Vous allez ensuite devoir créer un nouvel utilisateur qui sera l’administrateur mail!**



```
ldapsearch -x -h ad.Assur-mer.fr -D 'vmail' -W -b 'cn=users,dc=Assur-mer,dc=fr'
```

*Puis, à l'aide de cette commande vous allez récupérer votre nouvel utilisateur, attention à bien renseigner vos coordonnées.*

Renseignez ensuite ces commandes une par une ou avec && entre chaque

*Désactivez les paramètres spéciaux de iRedMail non utilisés :*

```
postconf -e virtual_alias_maps=""
postconf -e sender_bcc_maps=""
postconf -e recipient_bcc_maps=""
postconf -e relay_domains=""
postconf -e relay_recipient_maps=""
postconf -e sender_dependent_relayhost_maps=""
```

*Ajoutez votre nom de domaine mail dans smtpd\_sasl\_local\_domain et virtual\_mailbox\_domains (attention mettez bien VOTRE dns)*

```
postconf -e smtpd_sasl_local_domain='Assur-mer.fr'
postconf -e virtual_mailbox_domains='Assur-mer.fr'
```

*Modifier le paramétrage des cartes de transport :*

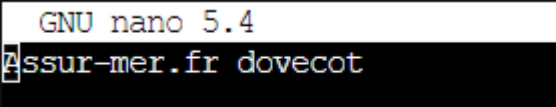
```
postconf -e transport_maps='hash:/etc/postfix/transport'
```

*Activer l'interrogation AD, nous allons créer ces 3 fichiers plus tard.*

```
postconf -e smtpd_sender_login_maps='proxy:ldap:/etc/postfix/ad_sender_login_maps.cf'
postconf -e virtual_mailbox_maps='proxy:ldap:/etc/postfix/ad_virtual_mailbox_maps.cf'
postconf -e virtual_alias_maps='proxy:ldap:/etc/postfix/ad_virtual_group_maps.cf'
```

```
nano /etc/postfix/transport
```

vous allez renseigner "Assur-mer.fr dovecot"



```
GNU nano 5.4
Assur-mer.fr dovecot
```



Exécutez postmap pour que postfix puisse le lire :

postmap hash:/etc/postfix/transport

*vous allez rentrer dans le fichier, en mettant vos propres informations*

nano /etc/postfix/ad\_sender\_login\_maps.cf

```
GNU nano 5.4 /etc/postfix/ad_sender_login_maps.cf *
server_host      = ad.Assur-mer.fr
server_port      = 389
version          = 3
bind             = yes
start_tls        = no
bind_dn          = vmail@assur-mer.fr
bind_pw          = @Sio2022
search_base      = cn=users,dc=Assur-mer,dc=fr[]
scope            = sub
query_filter      = (&(userPrincipalName=%s) (objectClass=person) (! (userAccountControl:1.2.840.113556.1.4.803:=2)))
result_attribute= userPrincipalName
debuglevel       = 0
```

*Même chose ici*

nano /etc/postfix/ad\_virtual\_mailbox\_maps.cf

```
GNU nano 5.4 /etc/postfix/ad_virtual_mailbox_maps.cf
server_host      = ad.assur-mer.fr
server_port      = 389
version          = 3
bind             = yes
start_tls        = no
bind_dn          = vmail@assur-mer.fr
bind_pw          = @Sio2022
search_base      = cn=users,dc=Assur-mer,dc=fr
scope            = sub
query_filter      = (&(objectclass=person) (userPrincipalName=%s))
result_attribute= userPrincipalName
result_format     = %d/%u/Maildir/
debuglevel       = 0
```

Même chose ici..

nano /etc/postfix/ad\_virtual\_group\_maps.cf

```
GNU nano 5.4 /etc/postfix/ad_virtual_group_maps.cf
server_host      = ad.Assur-mer.fr
server_port      = 389
version          = 3
bind             = yes
start_tls        = no
bind_dn          = vmail@Assur-mer.fr
bind_pw          = @Sio2022
search_base      = cn=users,dc=Assur-mer.fr,dc=fr
scope            = sub
query_filter     = (&(objectClass=group)(mail=%s))
special_result_attribute = member
leaf_result_attribute = mail
result_attribute = userPrincipalName
debuglevel       = 0
```

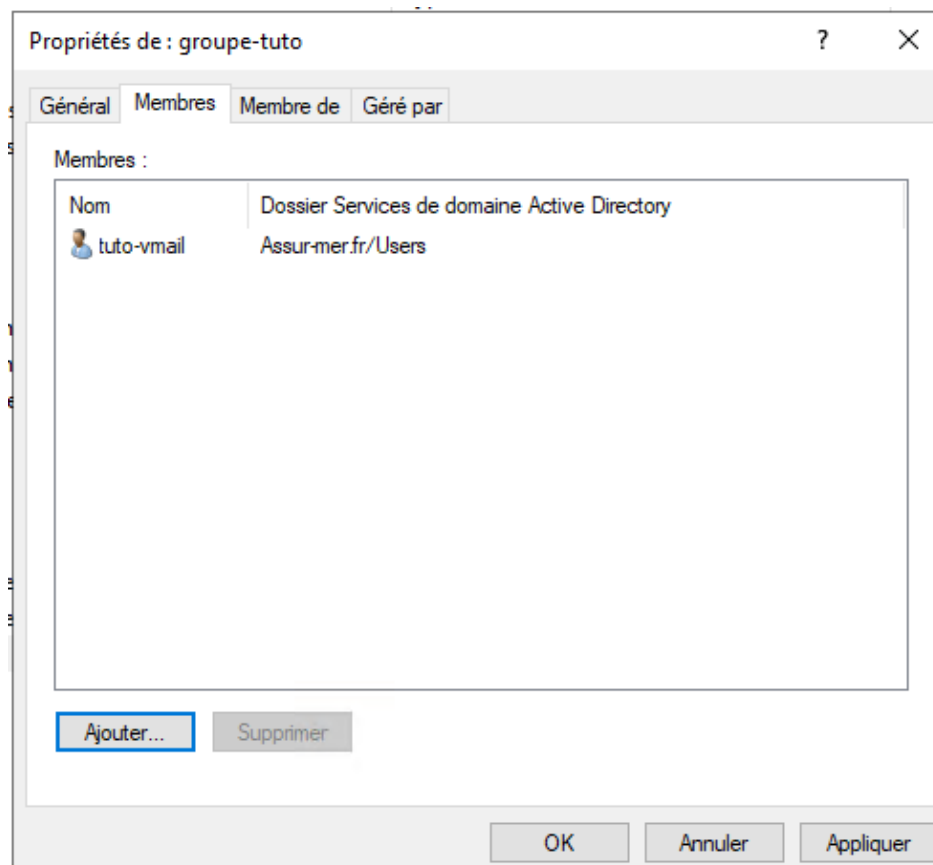
vous allez devoir supprimer toute les lignes comprenant “`check_policy_service`  
`inet:127.0.0.1:7777`”

Il y en a 2 normalement, elles sont assez bas dans le fichier alors scrollez tranquillement.

Vous pouvez utiliser `ctrl + K` pour supprimer la ligne directement

nano /etc/postfix/main.cf

Ensuite, dans votre AD vous allez créer un nouveau groupe



*Puis ajoutez votre utilisateur vmail dans votre groupe*

*Ensuite, nous allons vérifier que tout s'est bien passé*

```
postmap -q vmail@Assur-mer.fr ldap:/etc/postfix/ad_virtual_mailbox_maps.cf
```

```
root@tuto-mail:~/iRedMail-1.5.2# postmap -q vmail2@Assur-mer.fr ldap:/etc/postfix/ad_virtual_mailbox_maps.cf
Assur-mer.fr/vmail2/Maildir/
```

*Si la console vous répond c'est qu'il n'y a pas de soucis, sinon vérifiez tous vos fichiers de configuration.*

```
postmap -q vmail@Assur-mer.fr ldap:/etc/postfix/ad_sender_login_maps.cf
```

```
root@tuto-mail:~/iRedMail-1.5.2# postmap -q vmail2@Assur-mer.fr ldap:/etc/postfix/ad_sender_login_maps.cf
vmail2@Assur-mer.fr
```

*Même chose ici*

```
postmap -q groupe@Assur-mer.fr ldap:/etc/postfix/ad_virtual_group_maps.cf
```

```
root@mail:~# postmap -q groupe@Assur-mer.fr ldap:/etc/postfix/ad_virtual_group_maps.cf
vmail@Assur-mer.fr,vmail@assur-mer.fr
```

*et encore là*

*On ouvre le dossier*

```
nano /etc/dovecot/dovecot-ldap.conf
```

*copiez collez avec vos informations*

```
hosts      = ad.Assur-mer.fr:389
```

```
ldap_version = 3
```

```
auth_bind   = yes
```

```
dn          = vmail@Assur-mer.fr
```

```
dnpass      = @Sio2022
```

```
base        = cn=users,dc=Assur-mer,dc=fr
```

```
scope       = subtree
```

```
deref       = never
```

```
# Below two are required by command 'doveadm mailbox ...'
```

```
iterate_attrs = userPrincipalName=user
```

```
iterate_filter = (&(userPrincipalName=*)(objectClass=person)!(userAccountControl:1.2.840.113556.1.4.803:=2)))
```

```
user_filter = (&(userPrincipalName=%u)(objectClass=person)!(userAccountControl:1.2.840.113556.1.4.803:=2)))
```

```
pass_filter = (&(userPrincipalName=%u)(objectClass=person)!(userAccountControl:1.2.840.113556.1.4.803:=2)))
```

```
pass_attrs = userPassword=password
```

```
default_pass_scheme = CRYPT
```

```
user_attrs = mail=master_user,mail=user,home=/var/vmail/vmail1/%Ld/%Ln/,mail=maildir:~/Maildir/
```

```

GNU nano 5.4 /etc/dovecot/dovecot-ldap.conf
hosts      = ad.Assur-mer.fr:389
ldap_version = 3
auth_bind  = yes
dn         = vmail@Assur-mer.fr
dnpass     = @Sio2022
base       = cn=users,dc=Assur-mer,dc=fr
scope      = subtree
deref      = never

# Below two are required by command 'doveadm mailbox ...'
iterate_attrs = userPrincipalName=user
iterate_filter = (&(userPrincipalName=*) (objectClass=person) (! (userAccountControl:1.2.840.113556.1.4.803:=2)))

user_filter   = (&(userPrincipalName=%u) (objectClass=person) (! (userAccountControl:1.2.840.113556.1.4.803:=2)))
pass_filter   = (&(userPrincipalName=%u) (objectClass=person) (! (userAccountControl:1.2.840.113556.1.4.803:=2)))
pass_attrs    = userPassword=password
default_pass_scheme = CRYPT
user_attrs    = mail=master_user,mail=user,=home=/var/vmail/vmail1/%Ln/,=mail=maildir:~/Maildir/

```

*Vous devriez avoir la même chose que moi, avec vos propres informations*

*Ensuite faites ces 2 commandes,*

```

systemctl restart dovecot.s
systemctl restart dovecot.service

```

*et enfin,*

```
telnet localhost 143
```

*puis*

```
. login vmail@ad.tld MotDePasse
```

*si vous n'avez aucune erreur et que la console vous réponds, c'est qu'il n'y a aucun problème*

```

. OK [CAPABILITY IMAP4rev1 SASL-IR LOGIN-REFERRALS ID ENABLE IDLE SORT SORT=DISPLAY THREAD-REFERENCES THREAD=REFS THREAD=ORDEREDSUBJECT MULTIAPPEND URL-PARTIAL CA
TENATE UNSELECT CHILDREN NAMESPACE UIDPLUS LIST-EXTENDED I18NLEVEL=1 CONDSTORE QRESYNC ESEARCH ESORT SEARCHRES WITHIN CONTEXT=SEARCH LIST-STATUS BINARY MOVE SNIPP
ET=FUZZY PREVIEW=FUZZY STATUS=SIZE SAVEDATE LITERAL+ NOTIFY SPECIAL-USE QUOTA ACL RIGHTS=texk] Logged in

```

*Pour terminer faites*

```
/opt/www/roundcubemail/config/config.inc.php
```

*Descendez un petit peu, puis renseigner la ligne 'bind\_pass' => 'MotDePasse',*

*comme sur le screenshot ci dessous, et faites attention aux espaces, aux guillemets et à la virgule*

```
user_specific => true,  
  
// Search mail users under same domain.  
'base_dn'      => 'cn=users,dc=Assur-mer,dc=fr',  
'bind_dn'      => 'vmail@Assur-mer.fr',  
'bind_pass'    => '@Sio2022',  
'hidden'       => false,  
'searchonly'   => false,  
'writable'     => false,
```

enregistrez, puis redémarrez votre debian.

Avec un poste connecté au réseau renseigner l'adresse IP, et vérifiez que tout fonctionne!

