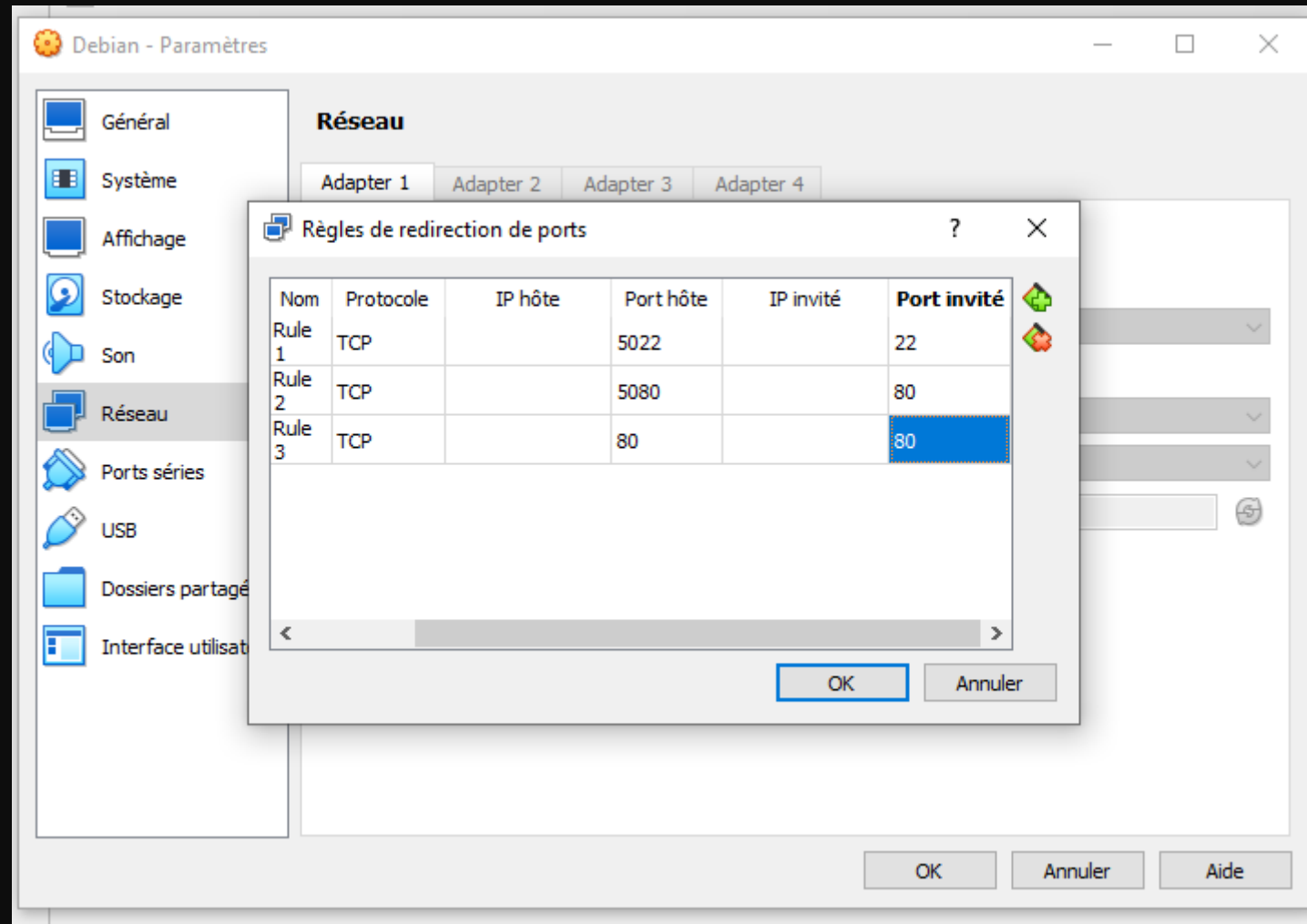


# Virtualhosts et configuration multisite

Les hôtes virtuels vous permettent de garder plusieurs sites Web hébergés sur un seul serveur Apache. Vous allez également créer une structure de répertoires dans `/var/www` pour le site `vosre_domaine`, en laissant `/var/www/html` en place comme répertoire par défaut à servir si une demande client ne correspond à aucun autre site.

1. Exposition NAT du port 80 et configuration du DNS local
2. Configuration de 2 sites internet en HTTP (port 80)

# **Exposition NAT du port 80 et configuration du DNS local**



<div> <span>←</span> <span>→</span> <span>↺</span> <span>🏠</span> <span>ℹ️ localhost</span> </div>																	
<div> <div>PHP Version 7.4.33</div> <table> <tr> <td>System</td><td>Linux Debian 5.10.0-20-amd</td></tr> <tr> <td>Build Date</td><td>Nov 8 2022 11:40:37</td></tr> <tr> <td>Server API</td><td>Apache 2.0 Handler</td></tr> <tr> <td>Virtual Directory Support</td><td>disabled</td></tr> <tr> <td>Configuration File (php.ini) Path</td><td>/etc/php/7.4/apache2</td></tr> <tr> <td>Loaded Configuration File</td><td>/etc/php/7.4/apache2/php.ini</td></tr> <tr> <td>Scan this dir for additional .ini files</td><td>/etc/php/7.4/apache2/conf.d</td></tr> <tr> <td>Additional .ini files parsed</td><td>/etc/php/7.4/apache2/conf.d/ /etc/php/7.4/apache2/conf.d/</td></tr> </table> </div>		System	Linux Debian 5.10.0-20-amd	Build Date	Nov 8 2022 11:40:37	Server API	Apache 2.0 Handler	Virtual Directory Support	disabled	Configuration File (php.ini) Path	/etc/php/7.4/apache2	Loaded Configuration File	/etc/php/7.4/apache2/php.ini	Scan this dir for additional .ini files	/etc/php/7.4/apache2/conf.d	Additional .ini files parsed	/etc/php/7.4/apache2/conf.d/ /etc/php/7.4/apache2/conf.d/
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Le fichier hosts permet de gérer les entrées DNS local. Nous pouvons donc y mettre des noms de domaine et les lier à une adresse IP.

Windows 10 - "C:\Windows\System32\drivers\etc\hosts"

Linux - "/etc/hosts"

Mac OS X - "/private/etc/hosts"

```
127.0.0.1    super-site.com
127.0.0.1    cacao.com
```



PHP Version 7.4.33	
System	
Build Date	
Server API	
Virtual Directory Support	
Configuration File (php.ini) Path	
Loaded Configuration File	

PHP Version 7.4.33	
System	Linux Debian 5.10.102-1
Build Date	Nov 8 2022 11:43:14
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.4/apache2
Loaded Configuration File	/etc/php/7.4/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.4/apache2/

# Exposer le port 80 et configurer le DNS local pour 2 sites internet



# Configuration des 2 sites internet en HTTP (sur le port 80)

```
root@Debian:/var/www# mkdir super-site.com
root@Debian:/var/www# ls
html  super-site.com
root@Debian:/var/www# chown -R www-data:www-data super-site.com/
root@Debian:/var/www# ls -ls
total 8
4 drwxr-xr-x 2 root    root    4096 Dec 28 06:15 html
4 drwxr-xr-x 2 www-data www-data 4096 Dec 28 06:46 super-site.com
root@Debian:/var/www#
```

```
root@Debian:/var/www# mkdir cacao.com
root@Debian:/var/www# ls -ls
total 12
└ drwxr-xr-x 2 root    root    4096 Dec 28 06:47 cacao.com
└ drwxr-xr-x 2 root    root    4096 Dec 28 06:15 html
└ drwxr-xr-x 2 www-data www-data 4096 Dec 28 06:46 super-site.com
root@Debian:/var/www# chown www-data:www-data cacao.com/ -R
root@Debian:/var/www# ls -ls
total 12
└ drwxr-xr-x 2 www-data www-data 4096 Dec 28 06:47 cacao.com
└ drwxr-xr-x 2 root    root    4096 Dec 28 06:15 html
└ drwxr-xr-x 2 www-data www-data 4096 Dec 28 06:46 super-site.com
root@Debian:/var/www#
```

ch mod o+w sites-available  
-R

```
root@Debian:/etc/apache2/sites-available# touch cacao.com.conf  
root@Debian:/etc/apache2/sites-available#
```

```
<VirtualHost *:80>  
    ServerName cacao.com  
    ServerAlias www.cacao.com  
    ServerAdmin webmaster@localhost  
    DocumentRoot /var/www/cacao.com  
    ErrorLog ${APACHE_LOG_DIR}/error-cacao.com.log  
    CustomLog ${APACHE_LOG_DIR}/access-cacao.com.log combined  
</VirtualHost>
```

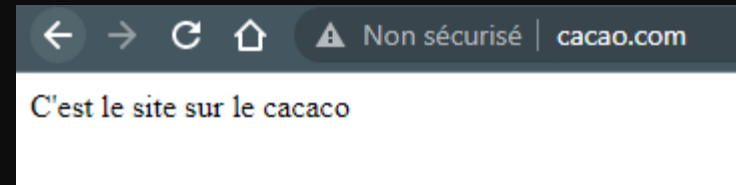
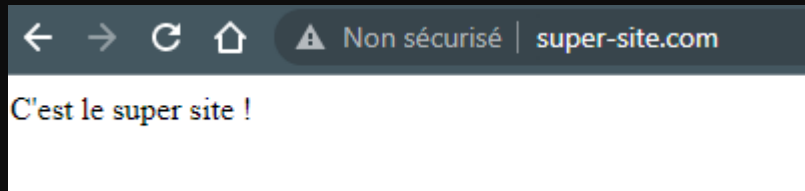


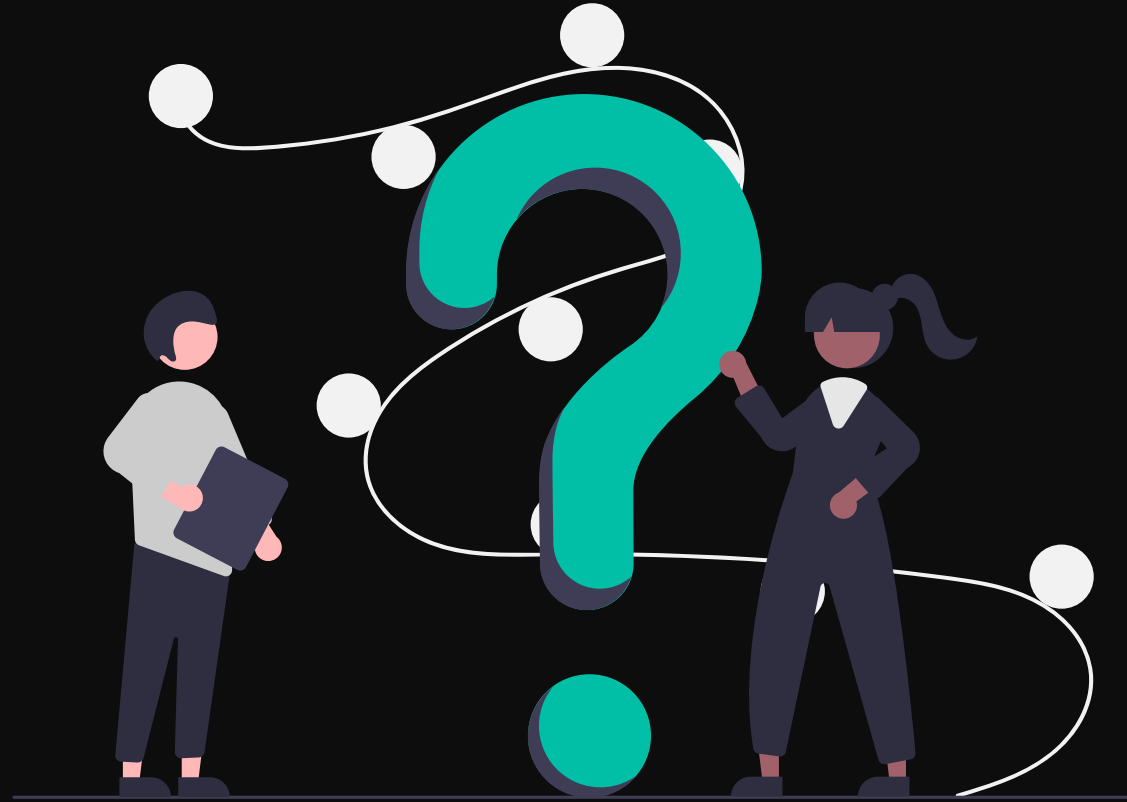
```
root@Debian:/etc/apache2/sites-available# a2ensite cacao.com.conf
Enabling site cacao.com.
To activate the new configuration, you need to run:
    systemctl reload apache2
root@Debian:/etc/apache2/sites-available# a2ensite super-site.com.conf
Enabling site super-site.com.
To activate the new configuration, you need to run:
    systemctl reload apache2
root@Debian:/etc/apache2/sites-available# systemctl reload apache2
root@Debian:/etc/apache2/sites-available#
```



```
<?php
// Fichier : /var/www/cacao.com/index.php
echo "C'est le site sur le cacaco";
```

```
<?php
// Fichier : /var/www/super-site.com/index.php
echo "C'est le super site !";
```





1. Exposition NAT du port 80 et configuration du DNS local
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