

# Apache ReverseProxy

## configuration serveur “Apache” pour faire un “ReverseProxy”

Journées Mathrice Angers 17-19 mars 2009

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# Serveur en DMZ

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## Exemple 1 (simple)

```
<VirtualHost 140.77.166.50:80>
  ServerName www.psmn.ens-lyon.fr
  ServerAdmin root@psmn.ens-lyon.fr

  RewriteEngine On

  ### pour "debugger"
  #RewriteLog /var/apache/rewrite
  #RewriteLogLevel 1...5

  RewriteCond %{REMOTE_ADDR} 140\.77\.\.\.*
  RewriteRule ^/(.*) http://INTERNAL-WEB-SERVER/$1 [R,L]

  RewriteCond %{REMOTE_ADDR} !140\.77\.\.\.*
  RewriteCond %{REQUEST_URI} ^/.*MEMBRES.*
  RewriteRule ^/(.*)MEMBRES(.) https://www.psmn.ens-lyon.fr/$1MEMBRES$2 [R,L]

  RewriteRule ^/(.*) http://INTERNAL-WEB-SERVER/$1 [P,L]
  ### OU
  ProxyPass / http://INTERNAL-WEB-SERVER/
  ProxyPassReverse / http://INTERNAL-WEB-SERVER/
```

# Serveur en DMZ

## Exemple 1 (simple)

```
<VirtualHost 140.77.166.50:443>
  ServerName www.psmn.ens-lyon.fr
  ServerAdmin root@psmn.ens-lyon.fr

  RewriteEngine On

  RewriteRule /^(.*) https://INTERNAL-WEB-SERVER/$1 [P,L]
  ### OU
  ProxyPass / https://INTERNAL-WEB-SERVER/
  ProxyPassReverse / https://INTERNAL-WEB-SERVER/

  ##### OU https <--> http
  ProxyPass / http://INTERNAL-WEB-SERVER/
  ProxyPassReverse / http://INTERNAL-WEB-SERVER/
```

# Serveur en DMZ

## Exemple 2 ()

```
<VirtualHost 140.77.166.49:80>
  ServerName www.umpa.ens-lyon.fr
  ServerAdmin root@umpa.ens-lyon.fr

  RewriteEngine On

  RewriteCond %{REQUEST_URI} ^/webmail.*
  RewriteRule ^/webmail(.*) https://www.umpa.ens-lyon.fr/webmail$1 [R,L]

  RewriteCond %{REQUEST_URI} ^/INTRANET.*
  RewriteRule ^/INTRANET(.*) https://www.umpa.ens-lyon.fr/INTRANET$1 [R,L]

  RewriteCond %{REQUEST_URI} ^/tomcat-app.*
  RewriteRule ^/tomcat-app(.*) https://www.umpa.ens-lyon.fr/tomcat-app$1 [R,L]

  RewriteCond %{REQUEST_URI} ^/~.*
  RewriteCond %{REQUEST_URI} !~/~.*/*$
  RewriteRule /~(.+[/])$ http://www.umpa.ens-lyon.fr/~$1/ [R,L]

  RewriteRule ^/(.*) http://INTERNAL-WEB-SERVER/$1 [P,L]
  ### OU
  ProxyPass / http://INTERNAL-WEB-SERVER/
  ProxyPassReverse / http://INTERNAL-WEB-SERVER/
```

# Serveur en DMZ

## Exemple 2 ()

```
<VirtualHost 140.77.166.49:443>
  ServerName www.umpa.ens-lyon.fr
  ServerAdmin root@umpa.ens-lyon.fr

  RewriteEngine On

  RewriteCond %{REQUEST_URI} ^/webmail$
  RewriteRule ^/webmail$ https://www.umpa.ens-lyon.fr/webmail/ [R,L]

  RewriteRule ^/webmail/(.*) https://WEBMAIL-SERVER/webmail/$1 [P,L]
  ### OU
  ProxyPass /webmail/ https://WEBMAIL-SERVER/webmail/
  ProxyPassReverse /webmail/ https://WEBMAIL-SERVER/webmail/

  RewriteCond %{REQUEST_URI} ^/INTRANET$
  RewriteRule ^/INTRANET$ https://www.umpa.ens-lyon.fr/INTRANET/ [R,L]

  RewriteCond %{REQUEST_URI} ^/tomcat-app$
  RewriteRule ^/tomcat-app$ https://www.umpa.ens-lyon.fr/tomcat-app/ [R,L]

  RewriteCond %{REQUEST_URI} ^/~.*
  RewriteCond %{REQUEST_URI} !^/~.*/*$
  RewriteRule /-(.+[/])$ https://www.umpa.ens-lyon.fr/~$1/ [R,L]

  RewriteRule ^/(.*) https://INTERNAL-WEB-SERVER/$1 [P,L]
```

# Serveur en INTERNE

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```
<VirtualHost _default_:80>
```

```
    RewriteEngine On
```

```
    RewriteCond %{REQUEST_URI} ^/webmail.*
```

```
    RewriteRule ^/webmail(.*) https://THIS-WEB-SERVER/webmail$1 [R,L]
```

```
    RewriteCond %{REMOTE_ADDR} PROXY-WEB
```

```
    RewriteRule ^/INTRANET(.*) https://www.umpa.ens-lyon.fr/INTRANET$1 [R,L]
```

```
    RewriteCond %{REMOTE_ADDR} !PROXY-WEB
```

```
    RewriteRule ^/INTRANET(.*) https://THIS-WEB-SERVER/INTRANET$1 [R,L]
```

```
    RewriteCond %{REMOTE_ADDR} PROXY-WEB
```

```
    RewriteRule ^/tomcat-app(.*) https://www.umpa.ens-lyon.fr/tomcat-app$1 [R,L]
```

```
    RewriteCond %{REMOTE_ADDR} !PROXY-WEB
```

```
    RewriteRule ^/tomcat-app(.*) https://THIS-WEB-SERVER/tomcat-app$1 [R,L]
```



# Serveur en INTERNE

```
<VirtualHost _default_:443>
```

```
    RewriteEngine On
```

```
    RewriteCond %{REQUEST_URI} ^/webmail$
```

```
    RewriteRule ^/webmail$ https://THIS-WEB-SERVER/webmail/ [R,L]
```

```
    RewriteCond %{REQUEST_URI} ^/webmail.*
```

```
    RewriteRule ^/webmail(.*) https://WEBMAIL-SERVER/webmail$1 [P,L]
```

```
    ### OU
```

```
    ProxyPass /webmail/ https://WEBMAIL-SERVER/webmail/
```

```
    ProxyPassReverse /webmail/ https://WEBMAIL-SERVER/webmail/
```

```
    RewriteCond %{REMOTE_ADDR} !PROXY-WEB
```

```
    RewriteRule ^/tomcat-app(.*) https://TOMCAT-SERVER:port-ssl-local/tomcat-app$1 [P,L]
```

```
    RewriteCond %{REMOTE_ADDR} PROXY-WEB
```

```
    RewriteRule ^/tomcat-app(.*) https://TOMCAT-SERVER:port-ssl-proxy/tomcat-app$1 [P,L]
```

**C'est fini !**

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*Questions bienvenues ...*