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r9 - 15 Feb 2007 - 13:18:17 - MarcEnschede

# Apache2 Howto

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## Debian

### Installatie:

Voer de volgende stappen uit:

- apt-get install apache2

```
linux2:/# apt-get install apache2
Reading Package Lists... Done
Building Dependency Tree... Done
The following extra packages will be installed:
  apache2-common apache2-mpm-worker apache2-utils libapr0 libexpat1 openssl ssl-cert
Suggested packages:
  apache2-doc lynx www-browser ca-certificates
The following NEW packages will be installed:
  apache2 apache2-common apache2-mpm-worker apache2-utils libapr0 libexpat1 openssl
  ssl-cert
0 upgraded, 8 newly installed, 0 to remove and 4 not upgraded.
Need to get 2242kB of archives.
After unpacking 6730kB of additional disk space will be used.
```

### Directory structuur:

- Control files
  - /etc/apache2/apache2.conf - generieke config
  - /etc/apache2/sites-available/boppelans.info - config van eigen site
  - /etc/init.d/apache3 - daemon file
  - /var/log/apache2/access.log
  - /var/log/apache2/error.log
- Eigen structuur
  - /var/www/default - root site
  - /var/www/boppelans.info/default - root site voor www.boppelans.info
  - /var/www/boppelans.info/webdav - site voor www.boppelans.info/webdav
  - /var/www/boppelans.info/photo - site voor www.boppelans.info/photo
  - /var/www/boppelans.info/wiki - site voor www.boppelans.info/wiki
  - /var/www/boppelans.info/webmail - site voor webmail

Belangrijk:

- Let op: chown -R www-data /var/www

### Webdav installatie

- a2enmod dav\_fs
- a2enmod dav
- /etc/init.d/apache2 restart

## Mac

### Installatie

- Installeer XCode.
- Download van [apache.org](#) in ~ en uitpakken
- cd *directory*
- ./configure prefix=/usr/local/apache2
- make
- sudo make install
- ln -s /usr/local/apache2/bin/apachectl /usr/sbin/apache2ctl
- ln -s /usr/local/apache2/conf/etc/apache2

Gebruik:

- `sudo apache2ctl start`
- `sudo apache2ctl stop`
- `sudo apache2ctl graceful`

## Additionals

## Configuratie

### Configuratie file

```
linux2:/etc/apache2/sites-available# cat boppelans.info
<VirtualHost *:80>
    ServerAdmin webmaster@boppelans.info
    ServerName boppelans.info
    ServerAlias www.boppelans.info

    DocumentRoot /var/www/boppelans.info/default
    <Directory /var/www/boppelans.info/default>
        Options Indexes MultiViews
        AllowOverride None
        Order allow,deny
        allow from all
    </Directory>

    # Settings for webdav
    Alias /webdav /var/www/boppelans.info/webdav
    <Location /webdav>
        DAV On
        AuthType Digest
        AuthName "webdav"
        AuthDigestFile /var/www/boppelans.info/webdav-password
        Require valid-user
    </Location>

    Alias /ipfoto /var/www/boppelans.info/ipfoto
    <Location /ipfoto>
        DAV On
        AuthType Digest
        AuthName "webdav"
        AuthDigestFile /var/www/boppelans.info/ipfoto-password
        Require valid-user
    </Location>

    # Setting for TWiki
    ScriptAlias /wiki/bin/ "/var/www/boppelans.info/wiki/bin/"
    Alias /wiki/ /var/www/boppelans.info/wiki/
    <Directory "/var/www/boppelans.info/wiki/bin">
        AllowOverride all
        Options +ExecCGI
        Allow from all
    </Directory>

    <Directory "/var/www/boppelans.info/wiki/data">
        Deny from all
    </Directory>

    <Directory "/var/www/boppelans.info/wiki/lib">
        Deny from all
    </Directory>

    <Directory "/var/www/boppelans.info/wiki/templates">
        Deny from all
    </Directory>

</VirtualHost>

<VirtualHost *:443>
    ServerAdmin webmaster@boppelans.info
    ServerName www.boppelans.info
    ServerAlias boppelans.info

    # Client side SSL - troubles with webdav and Mac Finder
    # SSLVerifyClient require
    # SSLVerifyDepth 2
    # SSLCACertificateFile /etc/apache2/ssl/cacert.root.crt
```

```

DocumentRoot /var/www/boppelans.info/default
<Directory /var/www/boppelans.info/default>
    Options Indexes MultiViews
    AllowOverride None
    Order allow,deny
    allow from all
#
    SSLRequire %{SSL_CLIENT_S_DN_CN} eq "Marc Enschede"
#
    SSLRequire %{SSL_CLIENT_S_DN_CN} in { "Marc Enschede" }
</Directory>

# Settings for webdav
Alias /webdav /var/www/boppelans.info/webdav
<Location /webdav>
    DAV On
    AuthType Digest
    AuthName "webdav"
    AuthDigestFile /var/www/boppelans.info/webdav-password
    Require valid-user
</Location>

Alias /iphoto /var/www/boppelans.info/iphoto
<Location /iphoto>
    DAV On
    AuthType Digest
    AuthName "webdav"
    AuthDigestFile /var/www/boppelans.info/iphoto-password
    Require valid-user
</Location>

# Setting for TWiki
ScriptAlias /wiki/bin/ "/var/www/boppelans.info/wiki/bin/"
Alias /wiki/ /var/www/boppelans.info/wiki/
<Directory "/var/www/boppelans.info/wiki/bin">
    AllowOverride all
    Options +ExecCGI
    Allow from all
</Directory>

<Directory "/var/www/boppelans.info/wiki/data">
    Deny from all
</Directory>

<Directory "/var/www/boppelans.info/wiki/lib">
    Deny from all
</Directory>

<Directory "/var/www/boppelans.info/wiki/templates">
    Deny from all
</Directory>

# Server side SSL
SSLEngine on
SSLCertificateFile /etc/apache2/ssl/boppelans.info.crt
SSLCertificateKeyFile /etc/apache2/ssl/boppelans.info.key

</VirtualHost>

```

## Configuratie SSL

Bron [link](#).

- openssl genrsa -out boppelans.info.key 2048
- openssl req -new -key example.org.key -out boppelans.info.csr
  - Vul in bij Common name: *www.boppelans.info* of *\*.boppelans.info*
- De output van CaCert? in boppelans.info.crt
- De key en crt file opslaan in /etc/apache2/ssl
- /etc/init.d.apache2 reload

Certificate aanvragen bij CaCert? :

- Inhoud van de csr file invullen

## Configuratie Webdav

Bron [link](#).

- a2ensite boppelans.info
- apache2ctl configtest
- /etc/init.d/apache2 reload

Daarna users aanmaken:

- `htdigest -c /var/www/boppelans.info/iphoto-password webdav username (-c: create file)`

### Configuratie client SSL

- Zie config file
  - Link: <http://www.securityfocus.com/infocus/1823>

### ToDo?

- Squirrelmail

-- [TWikiGuest](#) - 09 Sep 2006

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