

# Apache/Nginx/Varnish

## Apache vhost

```
vim /etc/httpd/conf/httpd.conf
```

add ( include vhosts/\*.conf ) at the bottom

```
mkdir /etc/httpd/vhosts
```

```
vim /etc/httpd/vhosts/domains.conf
```

```
#####  
###    NO SSL    ###  
#####  
<VirtualHost *:80>  
    DocumentRoot "/var/www/vhost/domain.com/"  
    ServerName domain.com  
    ServerAlias www.domain.com  
    <Directory /var/www/vhost/domain.com/>  
        Options Indexes FollowSymLinks MultiViews  
        AllowOverride All  
    </Directory>  
    <Directory "/var/www/vhost/domain.com/must_mysql">  
        AuthType Basic  
        AuthName "Restricted Content"  
        AuthUserFile /etc/httpd/.htpasswd  
        Require valid-user  
    </Directory>  
</VirtualHost>  
#####  
###    SSL    ###  
#####  
<VirtualHost *:443>
```

```
DocumentRoot "/var/www/vhost/domain.com/"
ServerName domain.com
ServerAlias www.domain.com
ErrorLog logs/ssl_error_log
TransferLog logs/ssl_access_log
LogLevel warn
SSLEngine on
SSLProtocol All -SSLv2 -SSLv3 -TLSv1 -TLSv1.1
SSLCipherSuite ECDH+AESGCM:EDH+AESGCM:AES256+EECDH:AES256+EDH
SSLCertificateFile /var/www/vhost/ssl/domain/domain.crt
SSLCertificateKeyFile /var/www/vhost/ssl/domain/domain.key
SSLCertificateChainFile /var/www/vhost/ssl/domain/domain.ca-bundle
```

```
<Directory /var/www/vhost/domain.com/>
    Options Indexes FollowSymLinks MultiViews
    AllowOverride All
</Directory>
<Directory "/var/www/vhost/domain.com/must_mysql">
    AuthType Basic
    AuthName "Restricted Content"
    AuthUserFile /etc/httpd/.htpasswd
    Require valid-user
</Directory>
</VirtualHost>
```

## Generating a .htpasswd:

```
htpasswd -c /var/www/vhost/domain.com/secure_domain username
```

# Nginx vhost:

SSL+PHP7-fpm

```
server {
    listen 80;
    server_name www.domain.com;
    return 301 https://www.domain.com$request_uri;
}
```

```

server {
    listen 443 ssl;
    add_header Strict-Transport-Security "max-age=31536000; includeSubDomains" always;

    server_name www.domain.com;
    root /var/www/vhosts/domain/public;
    index index.php index.html;

    ssl on;
    ssl_certificate /etc/letsencrypt/live/www.domain.com/fullchain.pem;
    ssl_certificate_key /etc/letsencrypt/live/www.domain.com/privkey.pem;
    ssl_session_timeout 5m;
    ssl_ciphers 'EECDH+AESGCM:EDH+AESGCM:AES256+EECDH:AES256+EDH';
    ssl_protocols TLSv1 TLSv1.1 TLSv1.2;
    ssl_prefer_server_ciphers on;
    ssl_dhparam /etc/nginx/dh.pem;

    location / {
        try_files $uri $uri/ /index.php?$query_string;
    }

    location ~ \.php$ {
        include snippets/fastcgi-php.conf;
        fastcgi_pass unix:/run/php/php7.0-fpm.sock;
    }
}

```

## Reverse proxy

```

location / {
    proxy_pass_header Authorization;
    proxy_pass http://205.233.150.48:9099;
    proxy_set_header Host $host;
    proxy_set_header X-Real-IP $remote_addr;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_http_version 1.1;
    proxy_set_header Connection "";
    proxy_buffering off;
    proxy_request_buffering off;
    client_max_body_size 0;
}

```

```
proxy_read_timeout 36000s;
proxy_redirect off;
proxy_ssl_session_reuse off;

}
```

## Generate DH Key

```
openssl dhparam -out /etc/nginx/dh.pem 2048
```

# Varnish

```
vim /etc/varnish/varnish.params
```

```
RELOAD_VCL=1
VARNISH_VCL_CONF=/etc/varnish/default.vcl
VARNISH_LISTEN_PORT=80
VARNISH_ADMIN_LISTEN_ADDRESS=127.0.0.1
VARNISH_ADMIN_LISTEN_PORT=6082
VARNISH_SECRET_FILE=/etc/varnish/secret
VARNISH_STORAGE="malloc,1G"
VARNISH_TTL=120
VARNISH_USER=varnish
VARNISH_GROUP=varnish
DAEMON_OPTS="-p thread_pool_min=5 -p thread_pool_max=500 -p thread_pool_timeout=300 -p
cli_buffer=16384 -p feature=+esi_ignore_other_elements -p vcc_allow_inline_c=on"
```

```
vim /etc/varnish/default.vcl
```

```
vcl 4.0;
backend default {
    .host = "127.0.0.1";
    #Change 8080 to httpd port
    .port = "8080";
}

sub vcl_recv {
}
```

```
sub vcl_backend_response {  
}
```

```
sub vcl_deliver {  
}
```

# Apache reverse proxy (optional LDAP config)

```
#:httpd -M |grep ldap  
ldap_module (shared)  
authnz_ldap_module (shared)  
  
## /etc/httpd/conf.d/*.conf <- default included  
  
<Location />  
    AuthType Basic  
    AuthName "My AD"  
    AuthBasicProvider ldap  
    AuthLDAPBindDN "CN=$value1,OU=$value2,OU=$value3,DC=$value4,DC=$value5"  
    AuthLDAPBindPassword "passhere"  
    AuthLDAPURL  
    "ldaps://ip_here:636/OU=$value2,OU=$value3,DC=$value4,DC=$value5?sAMAccountName?sub?(&(objectCategory=person)(objectClass=user))"  
    Require valid-user  
</Location>  
  
  
<VirtualHost *:80>  
    ProxyPreserveHost On  
    ProxyPass / http://127.0.0.1:8888/  
    ProxyPassReverse / http://127.0.0.1:8888/  
</VirtualHost>  
  
  
<VirtualHost *:443>  
    ProxyPreserveHost On
```

SSLEngine On

SSLCertificateFile /path/to/file

SSLCertificateKeyFile /path/to/file

ProxyPass / http://127.0.0.1:8888/ProxyPassReverse / http://127.0.0.1:8888/

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Revision #7

Created 9 July 2017 13:36:18 by Dave

Updated 14 February 2019 06:05:09 by Carl