

FreeBSD Administration - Support #724

Install SSL-Decoder on FreeBSD

01/16/2016 09:47 PM - Daniel Curtis

Status:	Closed	Start date:	01/17/2016
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Web Server	Estimated time:	0.50 hour
Target version:	FreeBSD 9	Spent time:	1.00 hour

Description

This is a guide on how I installed ssl-decoder with nginx on FreeBSD 9.

Prepare the Environment

- Make sure the system is up to date:

```
pkg update && pkg upgrade
```

- Install a few dependencies:

```
pkg install nginx php56 pecl-intl php56-bcmath php56-curl php56-filter php56-mbstring php56-openssl php56-xml python2 py27-netaddr
```

Install Nginx

- Start and enable nginx at boot:

```
echo 'nginx_enable="YES"' >> /etc/rc.conf  
service nginx start
```

- Create a configuration directory to make managing individual server blocks easier

```
mkdir /usr/local/etc/nginx/conf.d
```

- Edit the main nginx config file:

```
vi /usr/local/etc/nginx/nginx.conf
```

- And strip down the config file and add the include statement at the end to make it easier to handle various server blocks:

```
#user nobody;  
worker_processes 1;  
error_log /var/log/nginx-error.log;  
  
events {  
    worker_connections 1024;  
}  
  
http {  
    include mime.types;  
    default_type application/octet-stream;
```

```
sendfile        on;
#tcp_nopush     on;

#keepalive_timeout 0;
keepalive_timeout 65;

#gzip on;

# Load config files from the /etc/nginx/conf.d directory
include /usr/local/etc/nginx/conf.d/*.conf;
}
```

- Configure the default PHP settings

```
cp /usr/local/etc/php.ini-production /usr/local/etc/php.ini
```

- Edit /usr/local/etc/php-fpm.conf:

```
vi /usr/local/etc/php-fpm.conf
```

- Make the following changes:

```
listen = /var/run/php-fpm.sock
listen.owner = www
listen.group = www
listen.mode = 0660
```

- Start and enable PHP-FPM at boot:

```
echo 'php_fpm_enable="YES"' >> /etc/rc.conf
service php-fpm start
```

Install SSL-Decode

- Clone ssl-decode from GitHub:

```
cd /usr/local/www
git clone https://github.com/RaymiiOrg/ssl-decoder.git
```

- Create a ssl-decoder.example.com server block:

```
vi /usr/local/etc/nginx/conf.d/ssl-decoder.example.com.conf
```

- Add the following:

```
server {
    listen        80;
    server_name   ssl-decoder.example.com;
    root          /usr/local/www/ssl-decoder;
    access_log    /var/log/ssl-decoder.example.com-access.log;
    error_log     /var/log/ssl-decoder.example.com-error.log;

    location / {
```

```
    index index.php index.html index.htm;
}

# For all PHP requests, pass them on to PHP-FPM via FastCGI
location ~ \.php$ {
    fastcgi_pass unix:/var/run/php-fpm.sock;
    fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
    fastcgi_param PATH_INFO $fastcgi_script_name;
    include fastcgi_params; # include extra FCGI params
}
}
```

- Change the ownership of ssl-decode to the www user:

```
chown -R www:www /usr/local/www/ssl-decoder
```

- Restart nginx:

```
service nginx restart
```

- Open a web browser and go to <http://ssl-decoder.example.com>

Resources

- <https://github.com/RaymiiOrg/ssl-decoder>

History

#1 - 01/16/2016 09:54 PM - Daniel Curtis

- Description updated
- Status changed from New to In Progress
- % Done changed from 0 to 50

#2 - 01/16/2016 10:31 PM - Daniel Curtis

- Subject changed from Install SSL-Decode on FreeBSD to Install SSL-Decoder on FreeBSD
- Description updated

#3 - 01/17/2016 11:43 AM - Daniel Curtis

- Status changed from In Progress to Resolved
- Start date changed from 01/16/2016 to 01/17/2016
- % Done changed from 50 to 100

#4 - 02/20/2016 07:43 PM - Daniel Curtis

- Status changed from Resolved to Closed