Create SSL Certificates In OpenSUSE 12.3

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This article will help you to secure your Apache server by creating SSL certificates. Some p
may need this to Secure their apache server. Please follow the bellow steps.

Create a random data file

```
# cat /dev/random > randomfile
```

Create key pair

```
# openssl genrsa -des3 -out server.key -rand randomfile
```

Sign the created Public Key and create a digital certificate

```
# openssl req -new -x509 -key server.key -out server.crt
```

Answer the questions and then copy the Public Key and digital certificate to the bellow mer
folders.

```
# cp server.key /etc/apache2/ssl.key/
# cp server.crt  /etc/apache2/ssl.crt/
```

Configure Apache to use OpenSSL (Optional)

Edit the **/etc/sysconfig/apache2** file.

```
APACHE_START_TIMEOUT="10"
APACHE_SERVER_FLAGS="SSL"
```

copy **/etc/apache2/vhost.d/vhost-ssl.template** to **/etc/apache2/vhost.d/vhost-s**

```
# cp /etc/apache2/vhost.d/vhost-ssl.template /etc/apache2/vhost.d/vhost-ssl
```

Configure the main site to use HTTPS

Edit the **/etc/apache2/default-server.conf** file and add **Include /etc/apache2/vhos**
/*.conf line in that file.

```
Include /etc/apache2/conf.d/*.conf
Include /etc/apache2/vhosts.d/*.conf
```

Edit **/etc/apache2/vhost.d/vhost-ssl.conf** file as shown below:

```
<IfDefine SSL>
<IfDefine !NOSSL>
<VirtualHost *:443>
 DocumentRoot "/srv/www/htdocs"
 ServerName localhost:443
 ErrorLog /var/log/apache2/error_log
 TransferLog /var/log/apache2/access_log
 SSLEngine on
 SSLProtocol all -SSLv2
 SSLCipherSuite HIGH:MEDIUM:!aNULL:!MD5
 SSLCertificateFile /etc/apache2/ssl.crt/server.crt
 SSLCertificateKeyFile /etc/apache2/ssl.key/server.key
```

```
<FilesMatch "\.(cgi|shtml|phtml|php)$">
SSLOptions +StdEnvVars
</FilesMatch>
<Directory "/srv/www/cgi-bin">
SSLOptions +StdEnvVars
</Directory>
BrowserMatch "MSIE [2-5]" \
nokeepalive ssl-unclean-shutdown \
downgrade-1.0 force-response-1.0
CustomLog /var/log/apache2/ssl_request_log ssl_combined
</VirtualHost>
</IfDefine>
</IfDefine>
```

Restart apache

```
# /etc/init.d/apache2 restart
redirecting to systemctl restart apache2
Enter SSL pass phrase for localhost:443 (RSA): ******
```
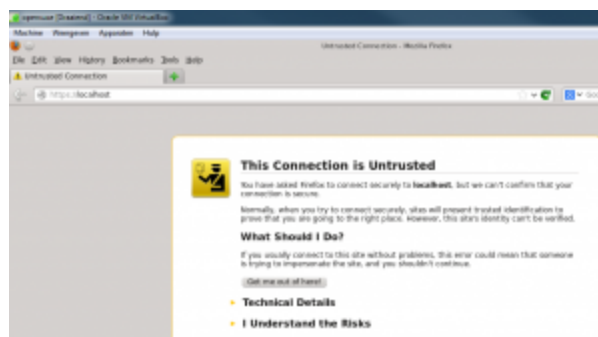
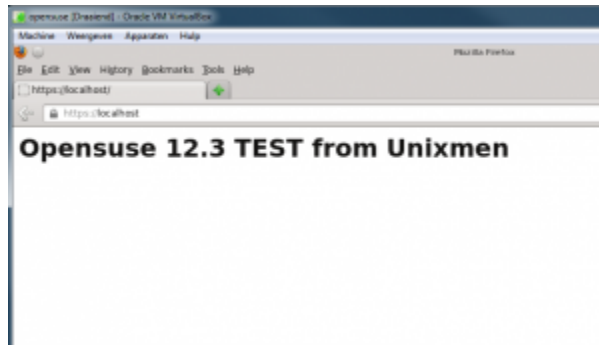### Check if the Port Listening

```
# netstat -an | grep 443
tcp 0 0 :::443 :::* LISTEN
linux-j9hf:/etc/apache2/vhosts.d #
```

Navigate to **https://IP-Address/** from your browser.

Click on **I understand the risks** link. Now you will get the output as shown below.

That's it.

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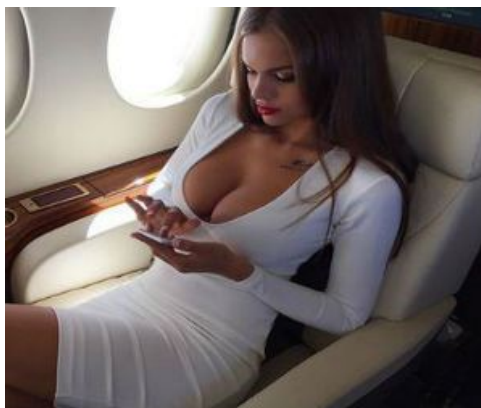1 Odd Method 'Restores' Your 20/20 Vision. Try This

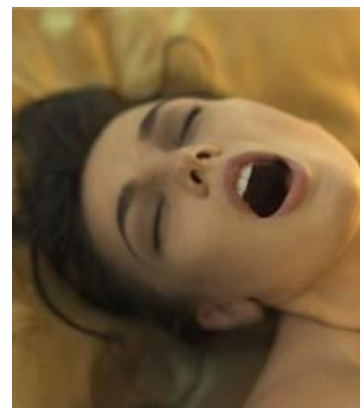Forget Pepper Spray, All Women Need This

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