Forum: CentOS 6 - Security Support

Topic: VeriSign certificate returning "not issued by trusted certificate authority" in all browsers

Subject: VeriSign certificate returning "not issued by trusted certificate authority" in all browsers

Posted by: tinawalt

Posted on: 2012/3/16 2:10:06

I obtained security certificate from VeriSign for client connection to the customer web apache server. Below is the Issuer tag line from the www.customer.com.pem file.

issuer=CN=VeriSign Class 3 Public Primary Certification Authority - G5, OU="(c) 2006 VeriSign, Inc. - For authorized use only", OU=VeriSign Trust Network, O="VeriSign, Inc.", C=US

I have tried several things to get the certificate to validate.

Added the following to the httpd.conf file in my <VirtualHost> … </VirtualHost> definition

```
# SSL Certs
 SSLEngine ON
 SSLCertificateFile /etc/pki/tls/private/www.customer.com.crt
 SSLCertificateKeyFile /etc/pki/tls/private/www.customer.com.key
 SSLCertificateChainFile /etc/pki/tls/private/www.customer.com.crt
```

Since the ssl.conf file has a statement in it for SSLCACertificateFile

```
SSLCACertificateFile /etc/pki/tls/certs/ca-bundle.crt
```

I concatenated the www.customer.com.pem >> /etc/pki/tls/certs/ca-bundle.crt and verified that apache was ok with the configuration by running

```
# /usr/sbin/apachectl –t
Syntax OK
```

I then restarted httpd

```
/etc/init.d/httpd restart
```

And still the certificate returns when accessing https://www.customer.com the error of ‘not issued by trusted certificate authority”.

The pertinent packages I have installed is

```
Installed Packages
    httpd.x86_64                    2.2.15-15.el6.centos.1  @updates
    httpd-tools.x86_64              2.2.15-15.el6.centos.1  @updates
```

```
mod_ssl.x86_64          1:2.2.15-15.el6.centos.1     @updates
openssl.x86_64                  1.0.0-20.el6_2.2                 @updates

openssl-devel.x86_64             1.0.0-20.el6_2.2                 @updates
```

At this point I'm not sure what else I can do. Can you please tell me if I'm missing a package that will assist in SSLCACertificateFile or SSLCertificateChainFile verification? Is there a patch that needs to be installed? Am I missing something in one of my conf files?

Any assistance is greatly appreciated.

Thank you,

--tinawalt