Guide to Downloading and Installing GeoTrust Certificates

version 20180726.5

The following steps should be taken to download the new certificates:

Download the new Intermediate Certificate

1) [Download](#) the new GeoTrust Intermediate Certificate
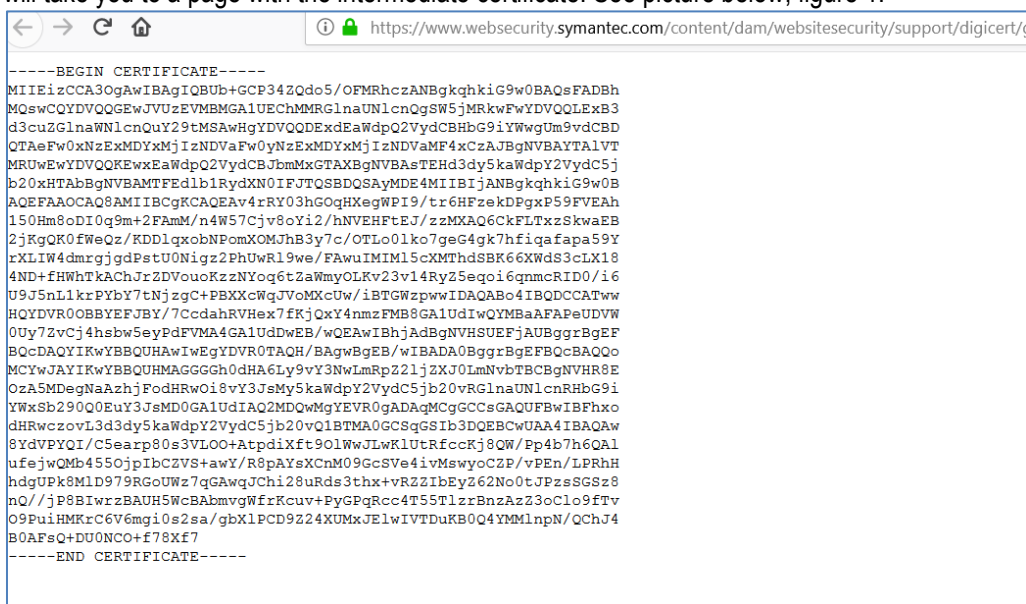2) This link will take you to a page with the intermediate certificate. See picture below, figure 1.

```
-----BEGIN CERTIFICATE-----
MIIEizCCA3OgAwIBAgIQBUb+GCP34ZQdo5/OFMRhczANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBD
QTAeFw0xNzExMDYxMjIzNDVaFw0yNzExMDYxMjIzNDVaMF4xCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5j
b20xHTAbBgNVBAMTFEdlb1RydXN0IFJTQSBDQSAyMDE4MIIBIjANBgkqhkiG9w0B
AQEFAAOCAQ8AMIIBCgKCAQEAv4rRY03hGOqHXegWPI9/tr6HFzekDPgxP59FVEAh
150Hm8oDI0q9m+2FAmM/n4W57Cjv8oYi2/hNVEHFtEJ/zzMXAQ6CkFLTxzSkwaEB
2jKgQK0fWeQz/KDDlqxobNPomXOMJhB3y7c/OTLo0lko7geG4gk7hfiqafapa59Y
rXLIW4dmrgjgdPstU0Nigz2PhUwRl9we/FAwuIMIMl5cXMThdSBK66XWdS3cLX18
4ND+fHWhTkAChJrZDVouoKzzNYoq6tZaWmyOLKv23v14RyZ5eqoi6qnmcRID0/i6
U9J5nL1krPYbY7tNjzgC+PBXXcWqJVoMXcUw/iBTGWzpwwIDAQABo4IBQDCCATww
HQYDVR0OBBYEFJBY/7CcdahRVHex7fKjQxY4nmzFMB8GA1UdIwQYMBaAFAPeUDVW
0Uy7ZvCj4hsbw5eyPdFVMA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBggrBgEF
BQcDAQYIKwYBBQUHAwIwEgYDVR0TAQH/BAgwBgEB/wIBADA0BggrBgEFBQcBAQQo
MCYwJAYIKwYBBQUHMAGGGGh0dHA6Ly9vY3NwLmRpZ2ljZXJ0LmNvbTBCBgNVHR8E
OzA5MDegNaAzhjFodHRwOi8vY3JsMy5kaWdpY2VydC5jb20vRGlnaUNlcnRHbG9i
YWxSb290Q0EuY3JsMD0GA1UdIAQ2MDQwMgYEVR0gADAqMCgGCCsGAQUFBwIBFhxo
dHRwczovL3d3dy5kaWdpY2VydC5jb20vQ1BTMA0GCSqGSIb3DQEBCwUAA4IBAQAw
8YdVPYQI/C5earp80s3VLOO+AtpdiXft9OlWwJLwKlUtRfccKj8QW/Pp4b7h6QAl
ufejwQMb455OjpIbCZVS+awY/R8pAYsXCnM09GcSVe4ivMswyoCZP/vPEn/LPRhH
hdgUPk8MlD979RGoUWz7qGAwqJChi28uRds3thx+vRZZIbEyZ62No0tJPzsSGSz8
nQ//jP8BIwrzBAUH5WcBAbmvgWfrKcuv+PyGPqRcc4T55TlzrBnzAzZ3oClo9fTv
O9PuiHMKrC6V6mgi0s2sa/gbXlPCD9Z24XUMxJElwIVTDuKB0Q4YMMlnpN/QChJ4
B0AFsQ+DU0NCO+f78Xf7
-----END CERTIFICATE-----
```

Figure 1 - Intermediate Certificate Content

3) To save:
   a) In Chrome, right-click and select 'Save As'
   b) Internet Explorer – certificate formatting issues have been occurring with IE, Chrome works best.
4) Save the file with the name intermediate.pem. Make a note of the location of the file for future reference. For example, c:\windows\temp

Download the new Root Certificate

5) Next, [download](#) the root certificate
6) This link will take you to a page showing the root certificate, as in the picture below in figure 2.

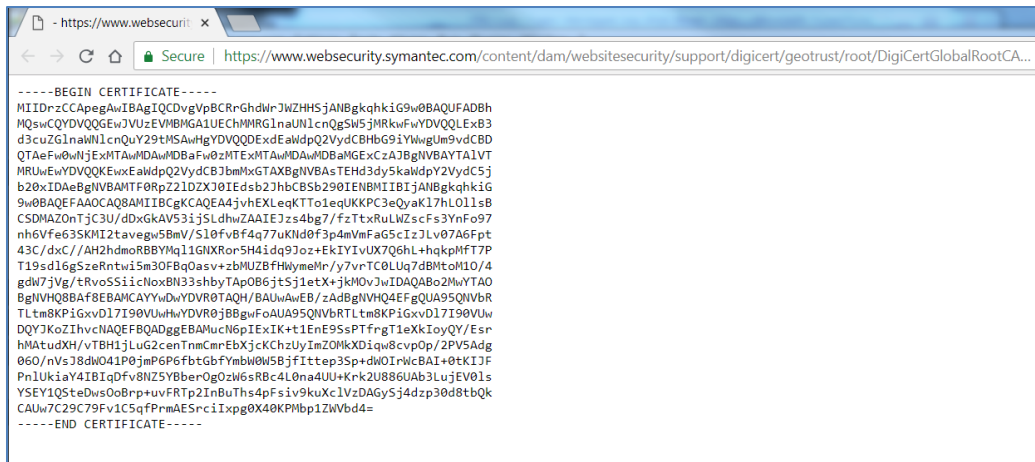**Figure 2 - Root Certificate Content**

7) To save:
   a) In Chrome, right-click and select 'Save As'
   b) Internet Explorer – certificate formatting issues have been occurring with IE, Chrome works best.
8) Save the file with the name root.pem. Make a note of the location of the file for future reference. For example, c:\windows\temp

Guide to Installing GeoTrust Certificates for Java Applications and Utilities

To import the certificate files for Java applications and utilities.

1) Load these files into your Java keystore. First, find where Java is installed.
    a) If you already know where java is installed, you can ignore the next steps and skip to step 2.
    b) On a Unix system, you can run one of these commands - "which java", "echo $JAVA_HOME" or "locate java".
    c) On a Windows system, you can run the "echo %JAVA_HOME%" command.
    d) For either of these, make a note of the path to the Java installation.
2) Once you have the path to the Java installation, run the following commands to install the certificates:

> cd <path_to_java_from_step_1>
> cd bin
> keytool -import -alias geotrustIntermediateCA -trustcacerts -file <path_to_intermediate.pem> -keystore <path_to_java_from_step_1>\jre\lib\security\cacerts
        **** Note for unix systems you may need to execute this as ./keytool *****

> keytool -import -alias geotrustRootCA -trustcacerts -file <path_to_root.pem> -keystore <path_to_java_from_step_1>\jre\lib\security\cacerts

** Note: For both of these commands, you will be prompted to enter the keystore password: enter your configured keystore password (the default is 'changeit') **

Note: If you see an error "already exists," this means you already have the certificates, and can skip that step.

Guide to Installing GeoTrust Certificates for .NET Applications

To import the certificate files for .NET applications.

1) Click **Start**, click **Run**, type certmgr.msc, and then click **OK.**

   Note: You may need administrative permissions to open certificate manager in Microsoft Management Console snap-in.

2) Expand **Certificates (local computer)**, expand **Trusted Root Certification Authorities** and then click **Certificates,** shown in Figure 3.
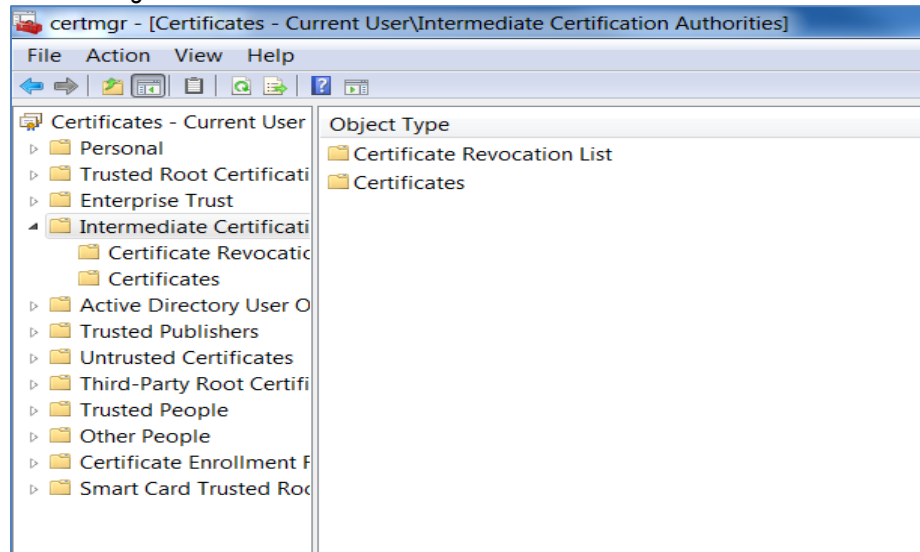

Figure 3 - Intermediate Certificate Store Location

3) Confirm the intermediate certificate is not already listed – GeoTrust RSA CA 2018
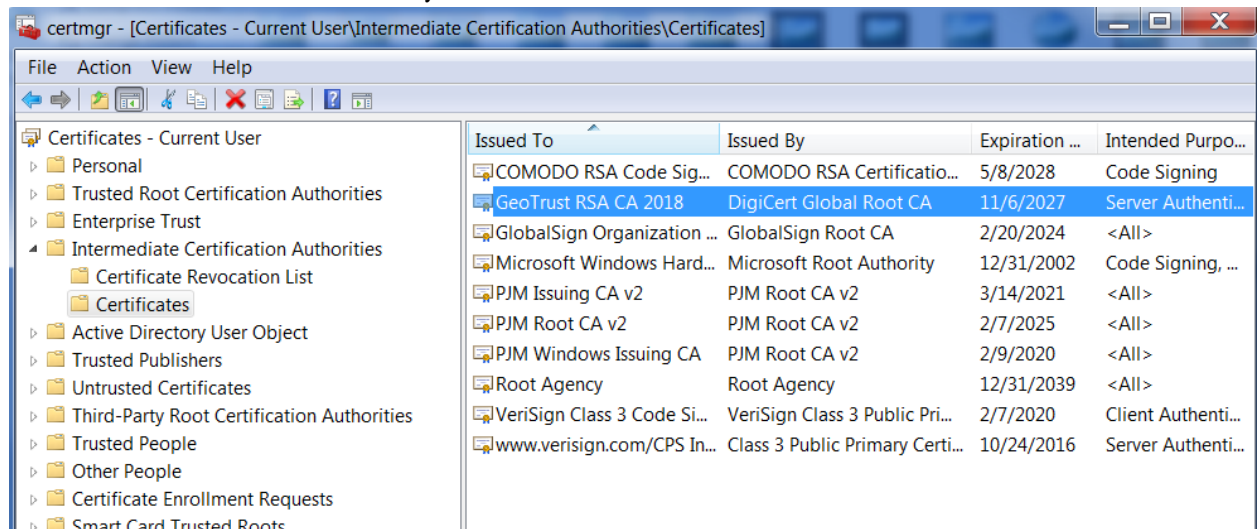
Figure 4 - Confirm GeoTrust Intermediate Certificate

4) **If not listed,** expand **certificates (local computer**), expand **Intermediate Certification Authorities** right-click **Certificates**, click **All Tasks**, and then click **Import**.

5) **Import** the intermediate certificate.

   a. In the **Certificate Import Wizard** dialog box, figure 5, click **Next**.

Figure 5 - Certificate Import Wizard

b. In the **File name** box (figure 6), give the path of the intermediate certificate authority file downloaded in the first section of this document. For example, c:\windows\temp\intermediate.pem
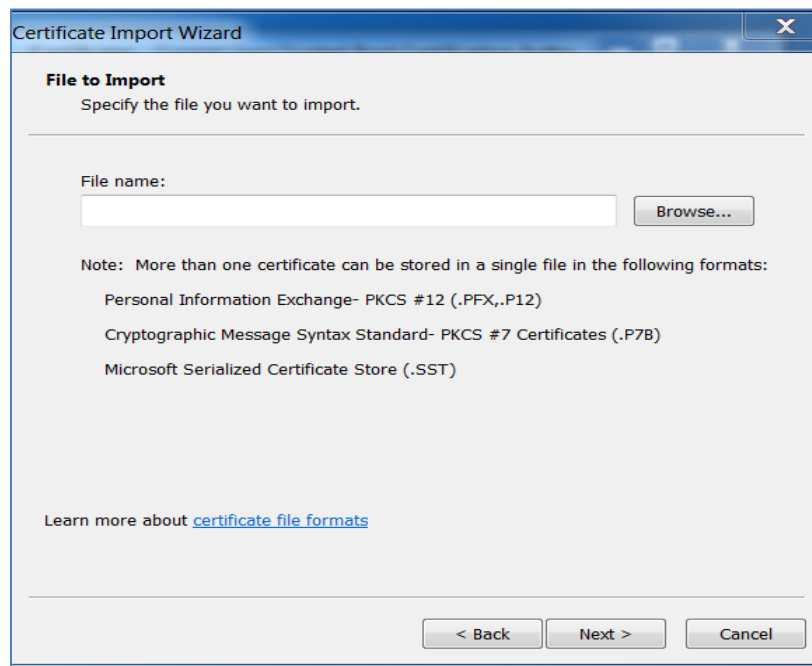

Figure 6 - Import File

6) Click **Next** two times.
7) Click **Finish**, and then click **OK**. You should see a message appear 'The import was successful'.

Import the Root Certificate

8) Expand **Certificates (local computer)**, expand **Trusted Root Certification Authorities**, and then click **Certificates.**

   a. In the right pane, confirm that the certificate for 'DigiCert Global Root CA' is not listed.

   b. If not listed, **import** the root certificate.

5

    c.   **Expand Certificates (local computer)**, right-click **Trusted Root Certification Authorities**, click **All Tasks**, and then click **Import**.

9) **Import** the root certificate

    a.   In the **Certificate Import Wizard** dialog box, figure 7, click **Next**.

Figure 7 - Certificate Import Wizard

    b.   In the **File name** box (figure 8), give the path of the root certificate authority file downloaded in the first section of this document. For example, c:\windows\temp\root.pem
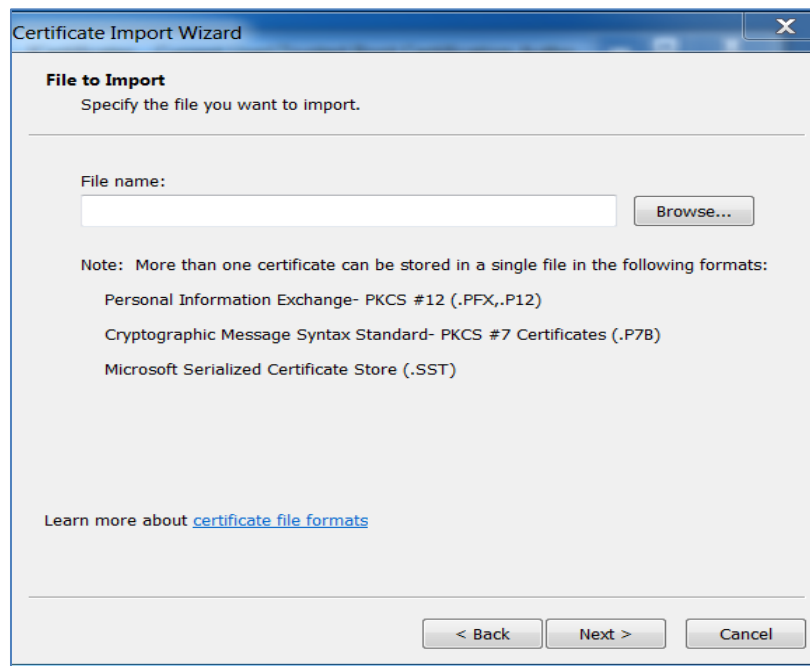

Figure 8 - Import File

10) Click **Next** two times.
11) Click **Finish**, and then click **OK**. You should see a message appear 'The import was successful'.