Deploying X.509 Certificates

8/28/2012

1. Obtain a Personal Information Exchange (PFX) file containing your X.509 certificate and the password for opening this file from Lincoln Peak.
2. **Importing a X.509 Certificate into the Local System.** 
   1. Launch the Certificate Import Wizard by double clicking the PFX file.
   2. Follow the instructions from the Wizard and use default selections.
   3. Type in the supplied password when asked.
3. **Exporting a X.509 Certificate for Use on the Portal.**
   1. Launch Control Panel > Internet Options. Go to the Content tab and click the [Certificate] button.
   2. You should see your imported certificate in here (Issued by “Lincolnpeak.com”).
   3. Select it and click [Export], which will start the Certificate Export Wizard.
   4. Follow the Wizard’s instructions and use default selections.
   5. Enter a filename to export to. This file will have a “.cer” extension.
4. **Uploading a X.509 Certificate to the Portal.** 
   1. Logon to your account on the Portal (FDAPilotQueryTool or NYCPilotQueryTool).
   2. Go to Profile. Under the Contact Information panel, click “[Upload New Certificate…]”. Choose the “.cer” file you exported in step 3 and upload it. Your certificate is now installed.
5. **Setting Up DataMartClient to Use X.509 Certificate.** 
   1. Launch DataMartClient. (Verify that it is version 3.0.41.0 or later. Otherwise, download it from the Portal.
   2. Click [Settings] and select your network (FDA Pilot or NYC Pilot).
   3. In the Service Url, use “https” instead of “http”. The X.509 Certificate button will light up. The X.509 Certificate button should show some details about your certificate (e.g., “CN-jsmith.lincolnpeak.com, OU=Development, O=LincolnPeak”). If not, then your local certificate is not installed correctly. Follow step 2 above carefully again.
   4. Enter your portal username and password.
   5. Click [Test]. It should say Connection Successful and will show you a list of available DataMarts.
   6. Double-click on each DataMart, select the I2B2 model and enter <http://localhost:9091/pmn> in the Service Url.
   7. Click [OK] all the way out to save the settings.
   8. DataMartClient is now ready to receive and process requests.