Resolving IVANS certificate issue when running ALF locally:

1. Navigate to the IVANS URL at: <https://external.ws.ivansinsurance.com/IceServices/IceService.svc?wsdl>
2. Click on the icon to the left of the URL:

A screenshot of a computer

Description automatically generated

1. Click on ‘Connection is Secure’, then navigate to the ‘Details’ section.  From there, click the ‘Certificate’ section under ‘Certificate Fields’, then click the ‘export’ button.  Make sure to note the name you saved the cert under.  I saved as root.crt.

A screenshot of a computer

Description automatically generated

1. Find the Java repository that your IDE is referencing ‘For example, mine is C:\Program Files\Java\jdk-17’.  Move the cert file to the ‘\lib\security’ section in the Java location.
2. Run command line as administrator
3. Cd into the \bin section in the Java folder, then run the following command (with the paths corrected to match your system):
4. keytool -keystore "C:\Program Files\Java\jdk-17\lib\security\cacerts" -storepass changeit -importcert -file "C:\Program Files\Java\jdk-17\lib\security\root.crt"
5. enter yes when prompted to add the cert.
6. This process needs to be repeated, possibly each time you need to run the code locally.   It seems the cert changes daily.  This involves redownloading cert and putting it into the cacerts file again.
7. When replacing the cert in cacerts, you will get an error about that name ‘mykey’ already existing.  When this happens, you need to use an alias through this command instead:

keytool -keystore "C:\Program Files\Java\jdk-17\lib\security\cacerts" -storepass changeit -importcert -alias ALIASHERE -file "C:\Program Files\Java\jdk-17\lib\security\ivans.crt