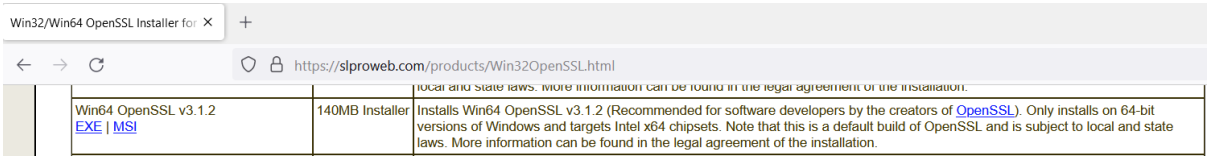
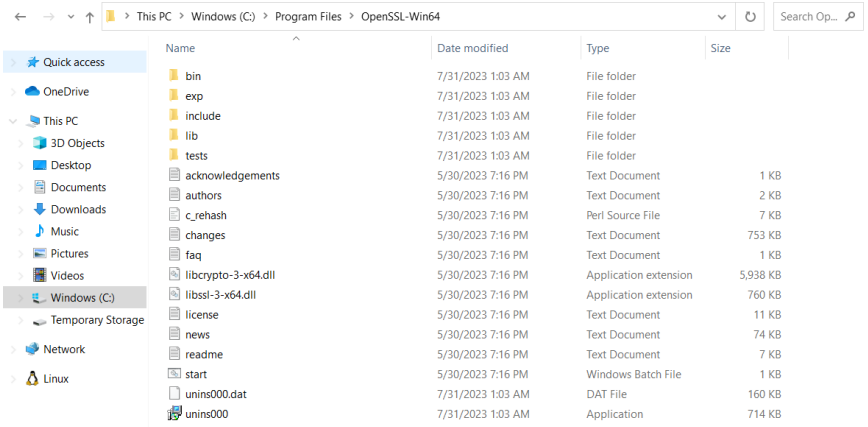
Procedure for connecting Epic FHIR

1. Download SSL for Windows.



2. Identify the location of the SSL program files in the local desktop environment.



3. Open Command Prompt and set the path to the bin folder.

```
C:\Users\vaitesswar\Desktop>set PATH=%PATH%;"C:\Program Files\OpenSSL-Win64\bin"
```

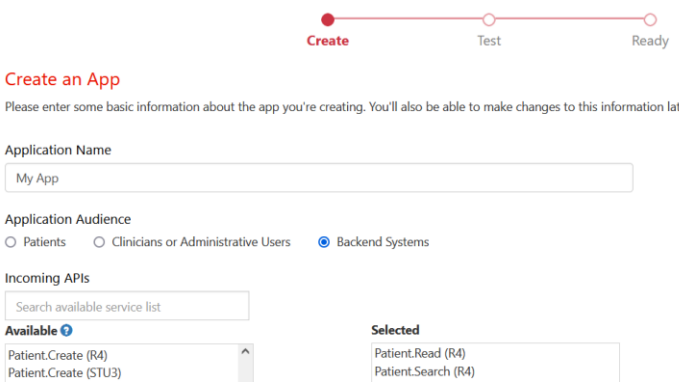
4. Run **openssl genrsa -out privatekey.pem 2048** command to create private key.

```
C:\Users\vaitesswar\Desktop>openssl genrsa -out privatekey.pem 2048
```

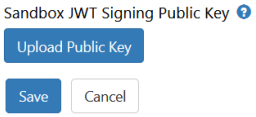
5. Run **openssl req -new -x509 -key privatekey.pem -out publickey509.pem -subj /'x=0/CN=myapp'** command to create corresponding public key.

```
C:\Users\vaitesswar\Desktop>openssl req -new -x509 -key privatekey.pem -out publickey509.pem -subj /'x=0/CN=myapp'
req: Skipping unknown subject name attribute "'x"
```

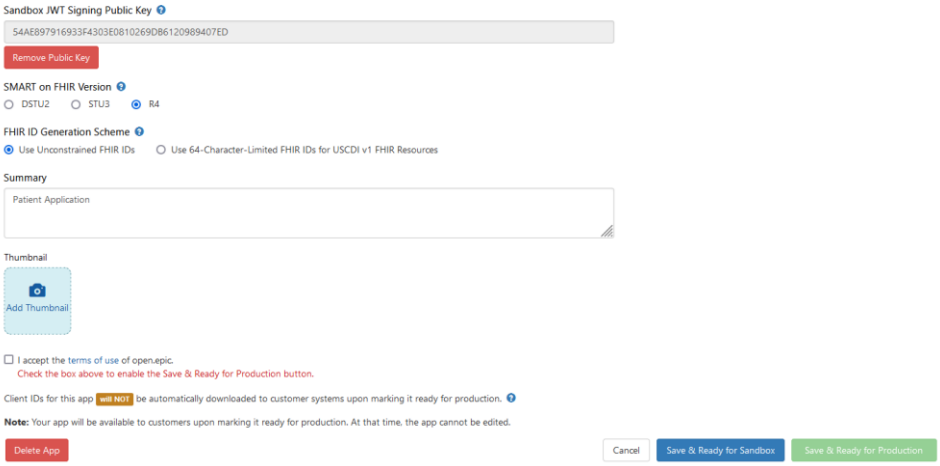
6. Create a new application in Epic FHIR with the following configurations.
    a. Application Name: MyApp
    b. Application Audience: Choose Backend Systems
    c. Incoming APIs: Choose as shown below.



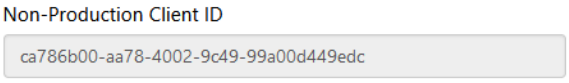
7. Upload public key created using OpenSSL and save the application.



8. Choose “R4” for SMART on FHIR version and choose “Save and Ready for Sandbox”.



9. Get the “Non-Production Client ID” from Epic FHIR.



10. Update the “sub” and “iss” fields in code with the Client ID.

```
"iss": "ca786b00-aa78-4002-9c49-99a00d449edc", // Client ID
"sub": "ca786b00-aa78-4002-9c49-99a00d449edc", // Client ID
```

11. Follow the code example in “EHR_Integration_Sample.ts” file to connect to Epic FHIR and get patient data.