## Module 7 Activity 1: Generating SSL Certificate and Configuring HTTPS Server in Node.js on Windows

**Brandon Trinkle** 

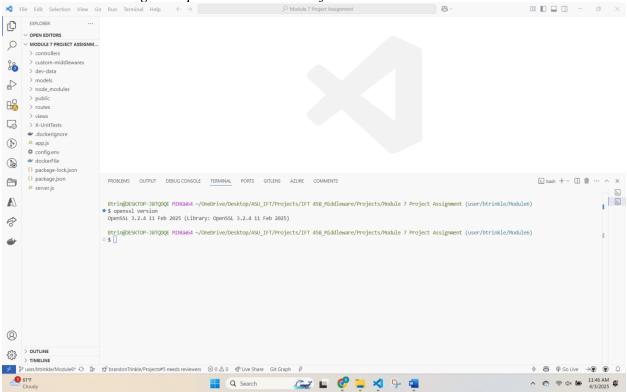
**IFT 458: Middleware Programming** 

**Professor Dinesh Sthapit** 

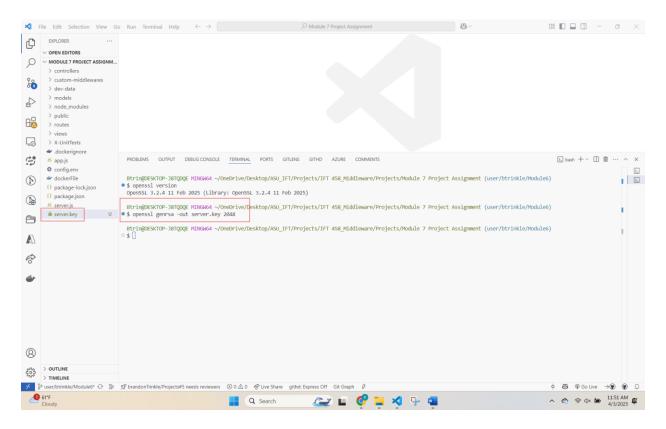
**April 3, 2025** 

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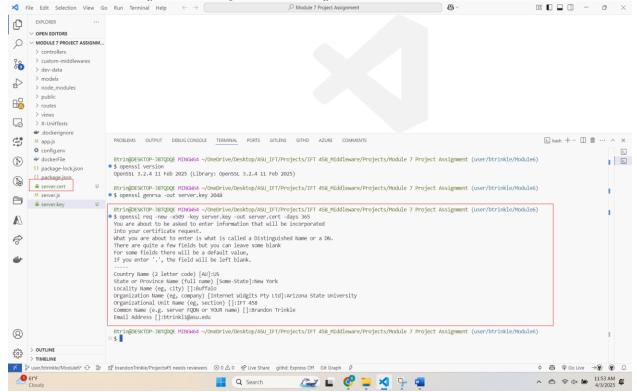
Screenshot 1: Showing the OpenSSL installed confirmation.

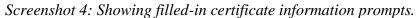


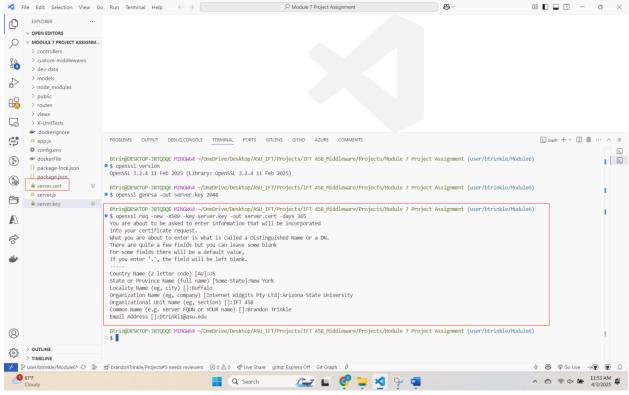
Screenshot 2: Showing Command Prompt after generating server.key.



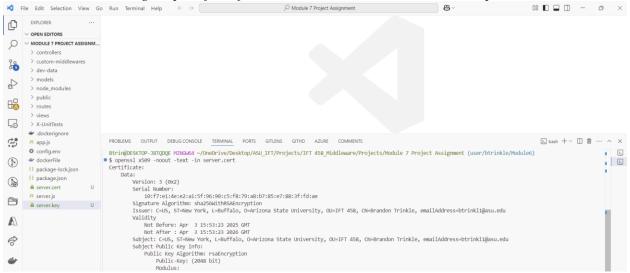
Screenshot 3: Showing execution of command to generate server.cert.







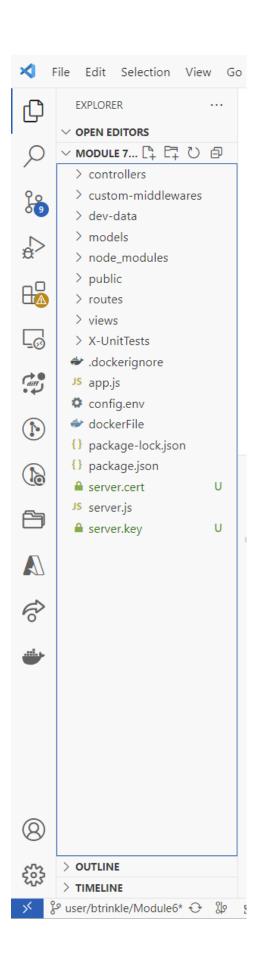
## Screenshot 5: Showing output of verification commands in Command Prompt.



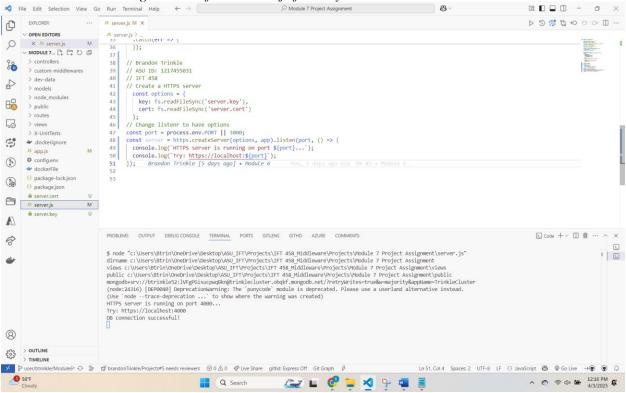


Note: Screenshot contains command line input and output, excluding key and cert information.

Screenshot 6: Of the project folder with server.key and server.cert files.



Screenshot 7: Showing the modified Server.js file in your IDE.



## Screenshot 8: Showing the terminal with the running Node.js server.

