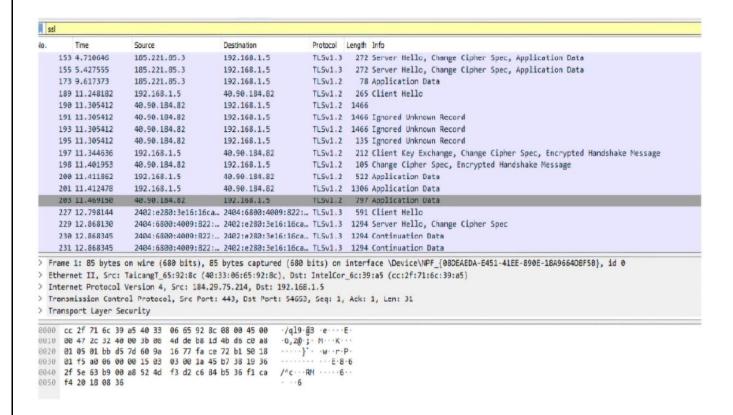
To study the SSL protocol by capturing the packets using Wireshark tool while visiting any SSL secured website (banking, e- commerce etc.)



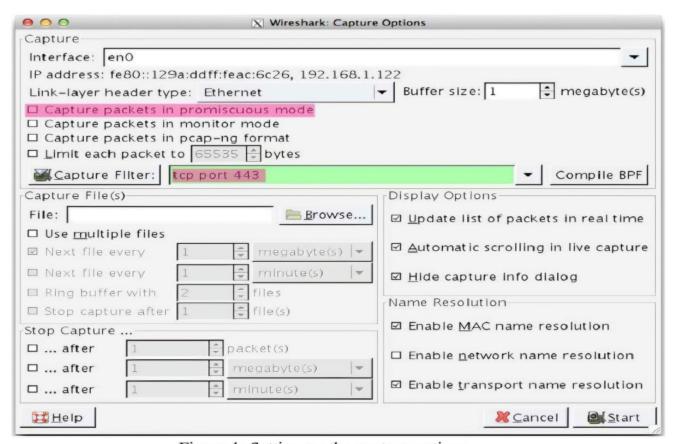
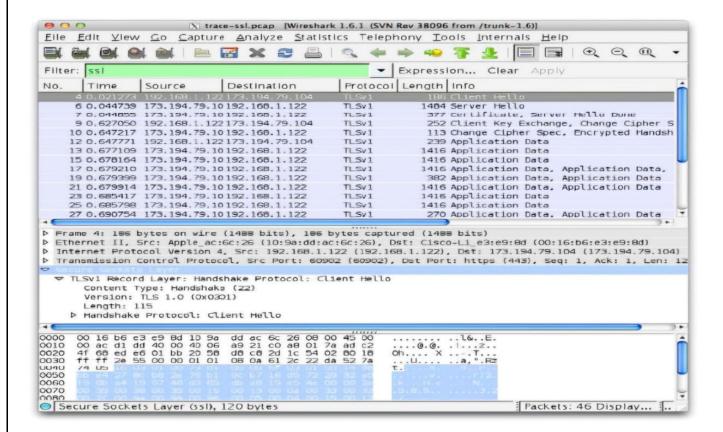
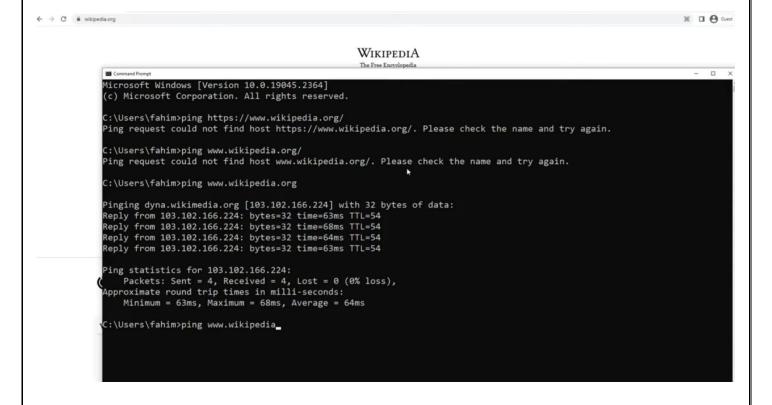
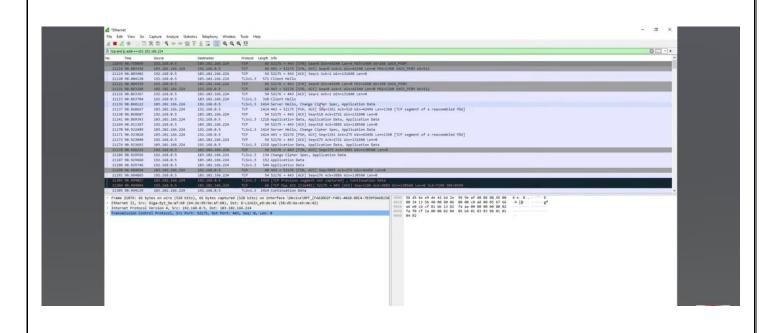


Figure 1: Setting up the capture options



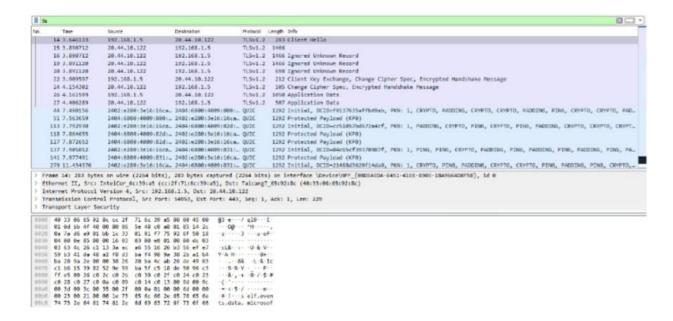
Capture packets using Wireshark, write the exact packet capture filter expressions to accomplish the operations given and save the output in file

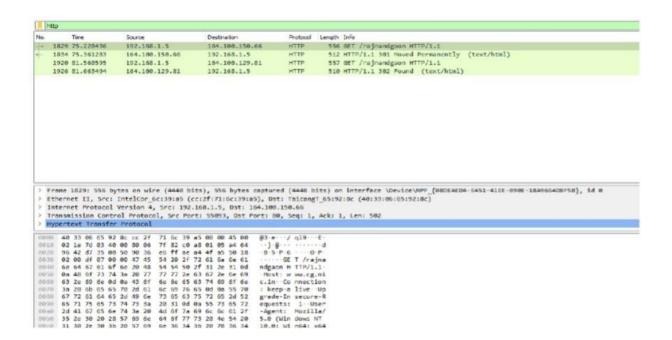






Study and Analyze the performance of HTTP, HTTPS and FTP protocol using Packet tracer tool





# Conclusion:

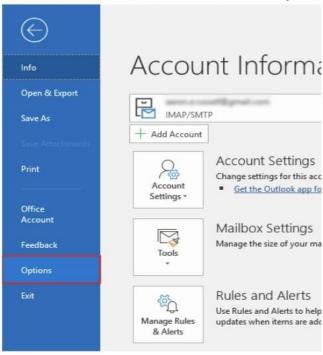
Hence we have studied and analyzed the performance of HTTP, HTTPS and FTP protocol using Packet tracer tool.



Illustrate the steps for implementation of S/MIME email security through Microsoft® Office Outlook

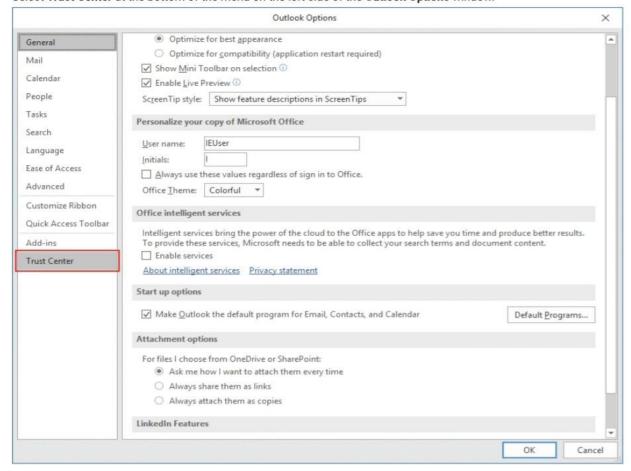
### 2. Open Outlook Options.

In Outlook, select File from the main menu, then click Options.



## 3. Open Trust Center.

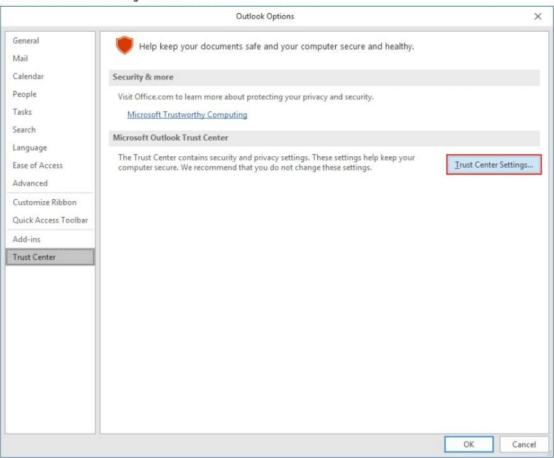
Select Trust Center at the bottom of the menu on the left side of the Outlook Options window.





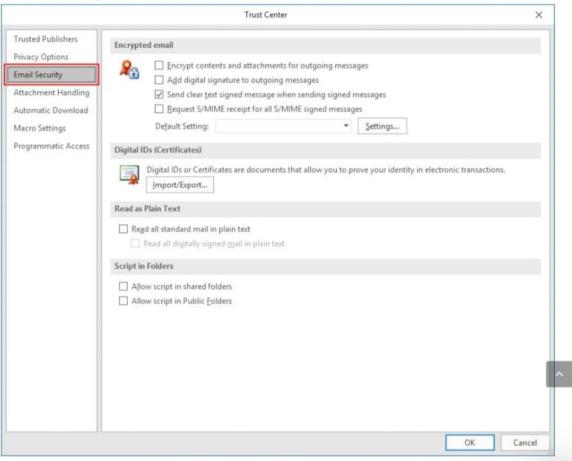
### 4. Open Trust Center Settings.

Click the Trust Center Settings button.



5. Select Email Security.

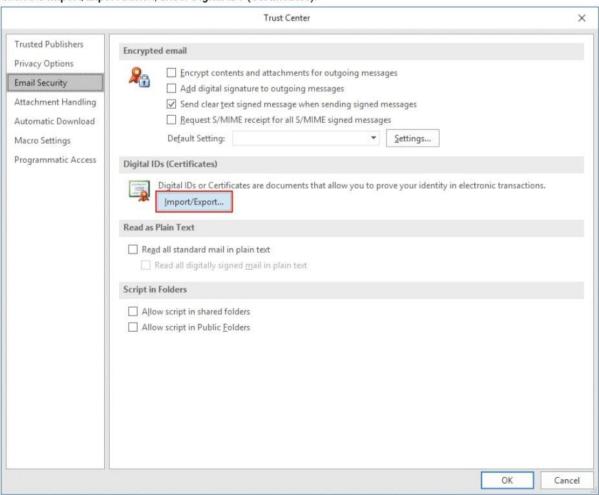
Select Email Security from the left-hand menu of the Trust Center window.





# 6. Click Import/Export.

Click the Import/Export button, under Digital IDs (Certificates).



# 7. Browse for file.

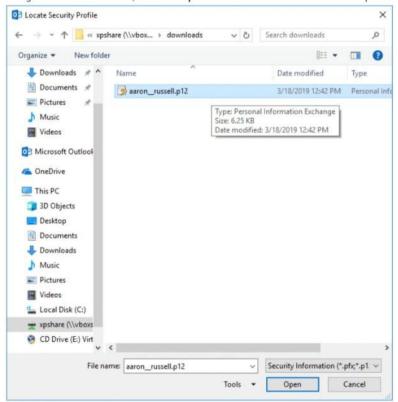
Make sure Import existing Digital ID from a file is checked, then click Browse...





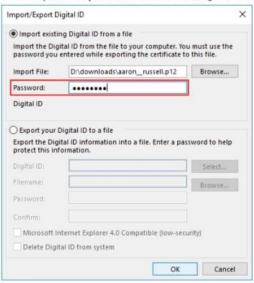
#### 8. Open file.

Navigate to the PKCS#12 file, then click Open. The filename extension should be .p12.



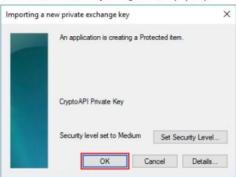
# 9. Enter PKCS#12 password.

Enter the password you used when downloading the PKCS#12 file, then click OK.



## 10. Click OK.

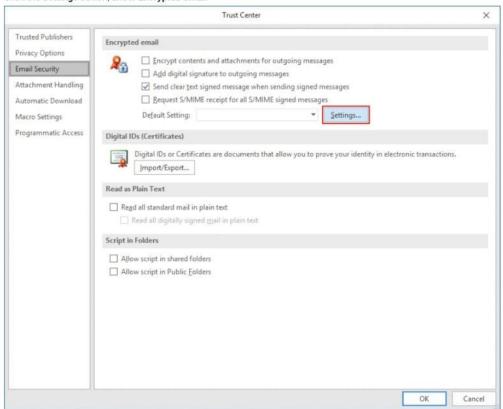
Click **OK** on the security dialog box that pops up.



^

#### 11. Open encrypted email settings.

Click the Settings button, under Encrypted email.



### 12. Name security settings.

Enter a name for your security settings.



#### 13. Choose signing certificate.

Click Choose, next to Signing Certificate.





# 14. Confirm or select certificate.

If you have only installed one certificate (as shown here), you can click **OK** on the **Confirm Certificate** dialog box that pops up. Otherwise, you will have to choose one from a list of installed certificates.

