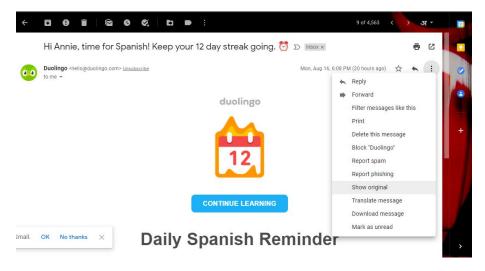
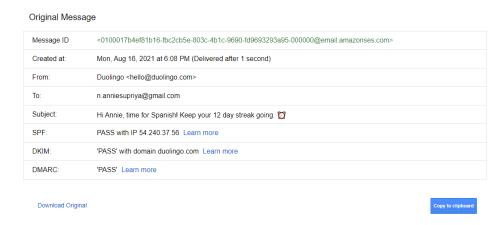
OUTSTANDING – 2

Using google apps toolbox to review email headers

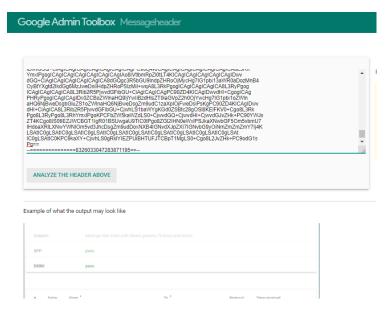
Step-1: Open the e-mail which you want to investigate and check for its header.



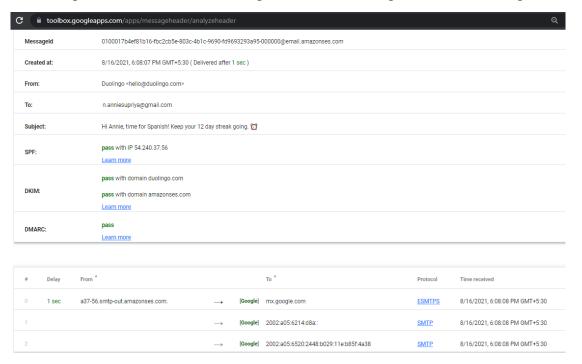
Step-2: Coping the original form of the email to further analyze.



Step-3: Analyzing the message header by using Google Admin Toolbox.



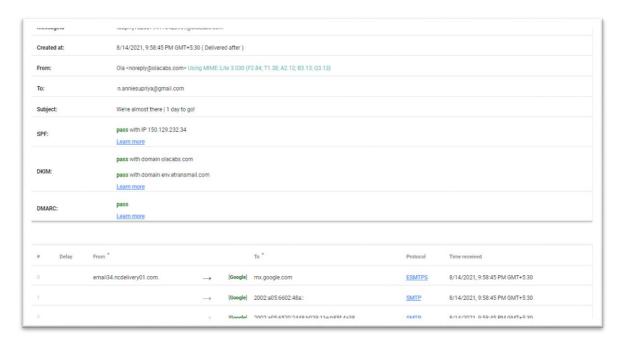
Step-4: Now we have vital information for diagnosing the email problems. You can trace the emails direct path and sources that can help troubleshoot breakpoints in the emails path.



We have basic information of the email including things such as from, to, date, subject, and MessageId. Mail transfer agents (MTAs) are used to manage this process; each time an email is sent or forwarded by an MTA, it's stamped with date, time, and recipient information.

Similarly, we are checking the email headers for other emails received.

Email-2: An email from Ola gaining basic information. Information of the sender's IP address, Domain name of the sender.



Email-3: Analyzing an email header from LinkedIn.

Messageld	885076532.3651772.1628496160380.JavaMail.app@l/va1-app72754.prod.linkedin.com					
Created at:	8/9/2021, 1:32-40 PM GMT+5:30 (Delivered after 3 sec)					
From:	Adithvaas Ambalathii <invitations@linkedin.com></invitations@linkedin.com>					
To:	Annie Supriya <n.anniesupriya@gmail.com></n.anniesupriya@gmail.com>					
Subject:	Annie, please add me to your Linkedin network					
SPF:	pass with IP 2620:119:5000:207::158					
DKIM:	pass with domain linkedin.com pass with domain mallb.linkedin.com Learn more					
DMARC:	pass <u>Learn more</u>					
# Delay Fr	rom ' To ' Pro	tocol Time received				
0 2 sec m	nailb-hf.linkedin.com \rightarrow [Google] mx.google.com	MTPS 8/9/2021, 1:32:42 PM GMT+5:30				
1	→ [Google] 2002:a02:a117:: SM	TP 8/9/2021, 1:32:42 PM GMT+5:30				
2 1 sec	→ [Google] 2002:a05:6520:2448:b029:11e:b85f:4a38 SM	TP 8/9/2021, 1:32:43 PM GMT+5:30				

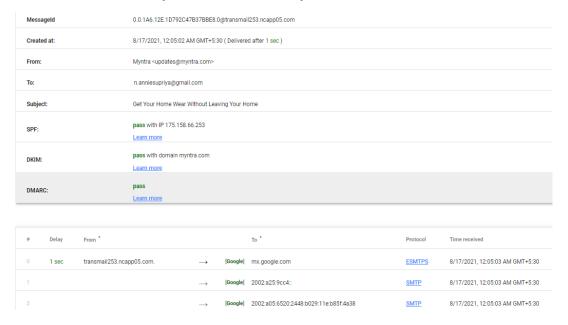
As per the analysis, there has been a 3 second delay in the delivery of the email. The protocols used are ESMTPS and SMTP. Domain name and the Ip address of the sender is provided.

Email-4: Gaining information about the email header from Coursera.

Messageld	07d0c1a9-26f3-41f5-8e3b-c19aaea063f4@a	07d0c1a9-26f3-41f5-8e3b-c19aaea063f4@at11s11mta345.xt.local					
Created at:	8/16/2021, 11:13:39 PM GMT+5:30 (Deliver	8/16/2021, 11:13:39 PM GMT+5:30 (Delivered after 4 sec)					
From:	Coursera «Coursera@email.coursera.org»	Coursera «Coursera@email.coursera.org»					
То:	<n.anniesupriya@gmail.com></n.anniesupriya@gmail.com>	<n.anniesupriya@gmail.com></n.anniesupriya@gmail.com>					
Subject:	Trending this week at Coursera	Trending this week at Coursera					
SPF:	pass with IP 13.111.170.21 Learn more						
DKIM:	pass with domain email.coursera.org Learn more						
DMARC:	pass <u>Learn more</u>						
# Delay From *		To *	Protocol	Time received			
0 3 sec mta6.en	nail.coursera.org. — [Google]	mx.google.com	<u>ESMTPS</u>	8/16/2021, 11:13:42 PM GMT+5:30			
1	\longrightarrow [Google]	2002:a05:620a:138a::	SMTP	8/16/2021, 11:13:42 PM GMT+5:30			
2 1 sec	\longrightarrow [Google]	2002:a05:6520:2448:b029:11e:b85f:4a38	SMTP	8/16/2021, 11:13:43 PM GMT+5:30			

Basic information of the sender is gathered by this analysis. Here there is a 4 second delay between when the email is sent and when it is released by the client.

Email-5: Email header analysis on email from Myntra.



There is a 1 second delay here when the message is received. The protocols used here are EMTPS and SMTP.