

# USRA Summer Weekly Meeting

## Data Generation

S. Feng

NIMS Lab  
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**DALHOUSIE**  
UNIVERSITY

# Wrap-up: June 8 to June 13

## Attempts:

- Retry migrating working environment
- Improve capturing method for Google Drive and TikTok
- Recapture packets for TikTok
- Investigate Kakao Talk, Line and Slack

## Results:

- Migration: tentative solution due to incompatible hardware
- Capturing: gathered 10 PCAP files in total
- Investigation: see attached report



TikTok:

- Switch from random to fixed time intervals
- Abandon bash shell script
- Abandon auto login due to anti-bot policy

Google Drive:

- Write a Scala script to generate dummy files of any size
- Split into three stages for different file sizes (crash)



Table: Captured Data

		10:00	13:00	15:00	18:00	20:00
TikTok	Packets (K)	506	529	711	511	587
	Size (MB)	485	514	725	500	596
Drive	Packets (K)	3197	3851	3404	2954	3562
	Size (MB)	2436	2930	2592	2253	2717



# What to do next: June 15 to June 20

## Schedule:

- Do not bother migrating to the Linux environment
- Continue capturing traffic for other apps
- Design automation method for the selected app

## Three things to mention:

- I spent a lot of time dealing with unrelated issues
- Request not to capture traffic in public places due to noise
- I need a hard drive too

