

USRA Summer Weekly Meeting

Data Generation

S. Feng

NIMS Lab
USRA Summer 2023

July 6, 2023



DALHOUSIE
UNIVERSITY

Wrap-up: June 29 to July 4

Attempts:

- Capture traffic for Android apps

Progress:

- Home: Slack, TikTok, Google Drive, Chrome
- Lab: Slack

Result:

- See the tables below



Table: Captured Data at Home

		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
Chrome	Packets (K)	449	453	373	367	302
	Size (MB)	278	286	213	214	176
Slack	Packets (K)	62	45	62	58	58
	Size (MB)	33	23	31	29	29



Capturing: Lab

Table: Captured Data at Lab

		10:00	13:00	15:00	18:00	20:00
Slack	Packets (K)	95	50	42	55	52
	Size (MB)	70	27	25	30	28

- ~550 messages send/receive in total
- ~65,000 characters transmitted
- ~60,000 packets
- ~30 MB PCAP file size



What to do next: July 6 to July 11

Schedule:

- Finish capturing traffic at Lab
- Start capturing traffic at Killam library
- 9 AM and 10 AM at home/lab for slack
- 5mins before and after midnight for slack

