

Mobility Traffic Profiles for OPNFV

Mobility User-Plane

The following tables describe per-session average (in a range) for user-plane traffic related to classes of applications.

Downlink Mobility User-Plane

Downlink Mobility User-Plane

Service/protocol	Downlink Packet Size (bytes)	Downlink Flow Size (KB)	Downlink per-flow Throughput (Kbps)
Browsing + Apps	1,220 - 1,260	40 - 55	130 - 253
HTTPS traffic	1,050 - 1,085	32 - 40	107 - 124
Video Streaming	1,360 - 1,390	545 - 650	690 - 790
VoLTE bearer (media, excluding signaling)	84 ■ 102	116 - 142	18 - 24

Uplink Mobility User-Plane

Uplink Mobility User-Plane

Service/protocol	Uplink Packet Size (bytes)	Uplink Flow Size (KB)	Uplink per-flow Throughput (Kbps)
Browsing + Apps	90 ■ 120	3 ■ 10	6 ■ 18
HTTPS traffic	140 ■ 200	5 ■ 12	8 ■ 15
Video Streaming	50 ■ 110	10 ■ 20	12 - 20
VoLTE bearer (media, excluding signaling)	84 ■ 102	112 - 135	18 - 24

Mobility User-Plane Traffic Distribution

Mobility User-Plane Traffic Distribution

Service/protocol	Downlink	Uplink
HTTP	40 - 70% (60 ■ 40 split between ■browsing + apps■ and ■streaming■)	30 - 50% (55 ■ 45 split between ■browsing + apps■ and ■streaming■)
HTTPS	25 - 50%	40 - 60%
Email	1%	3%
P2P	0.1%	0.5%
VoLTE	0-5%	5-30%
Others	4%	8%

Mobility Control-Plane

This section will provide average per-session mobility control-plane traffic for various protocols associated with applications.

Mobility Sessions per Hour

This section will provide per-hour average and min-max ranges for mobility application sessions.