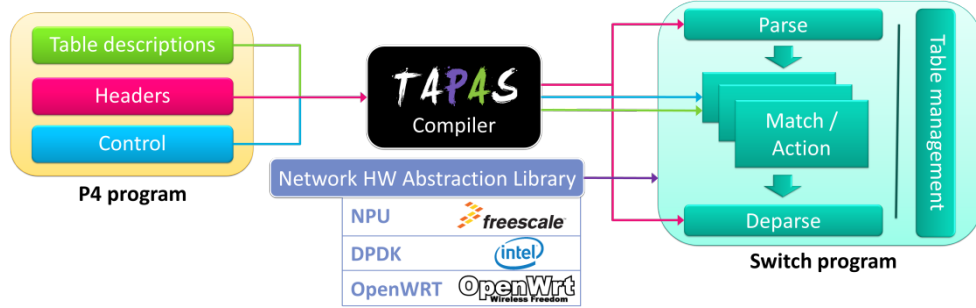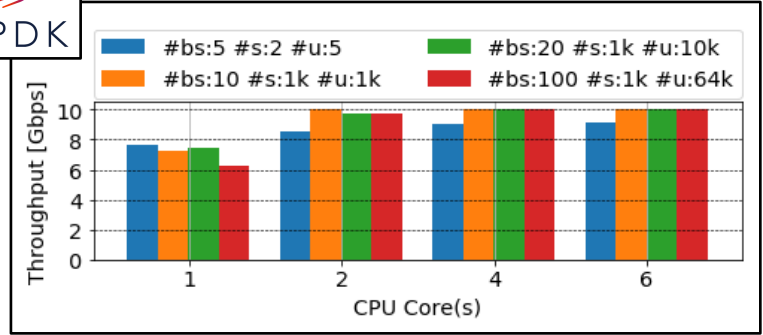# TAPAS - P4 meets 5G

Péter Vörös, Sándor Laki, Dániel Horpácsi, Róbert Kitlei, Dániel Leskó, Máté Tejfel, Gergely Pongrácz
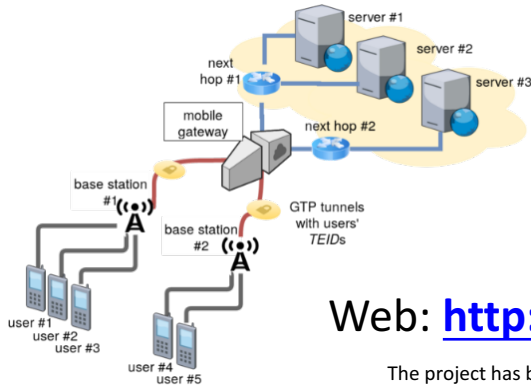
A multi-target P4 compiler framework

Downlink Performance

5G User Plane Function – Mobile Gateway

Uplink:
- L2, L3 and L4 check (gateway MAC/IP and UDP port destination 2152)
- GTP decap, save TEID
- Rate limit per bearer (TEID)
- L3 routing towards the Internet + L2 fwd

Downlink:
- L2 and L3 check (check if destination IP is in the UE range)
- per user rate limiting
- GTP encap (set bearer in TEID)
- set destination IP of the base station of the UE
- L3 routing towards BSTs + L2 fwd

Web: **http://p4.elte.hu**   Email: **info@p4.elte.hu**

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