

Building and benchmarking SDN-based LTE EPC

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Mobile data traffic growth

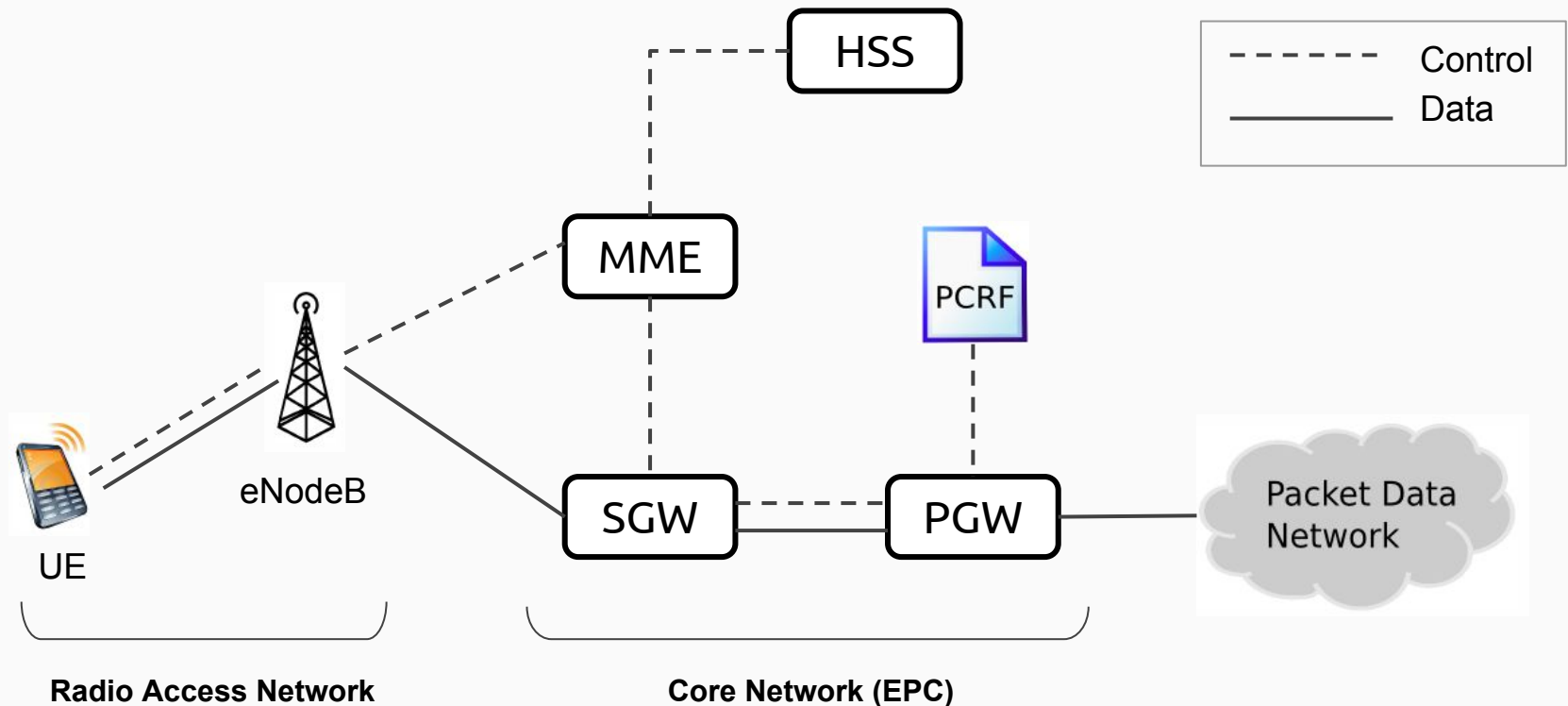
- Global mobile data traffic grew 74 % in 2015.
- By 2020, 72 % of total traffic will be 4G.



Global mobile data traffic growth (Source: Cisco VNI Mobile, 2016)

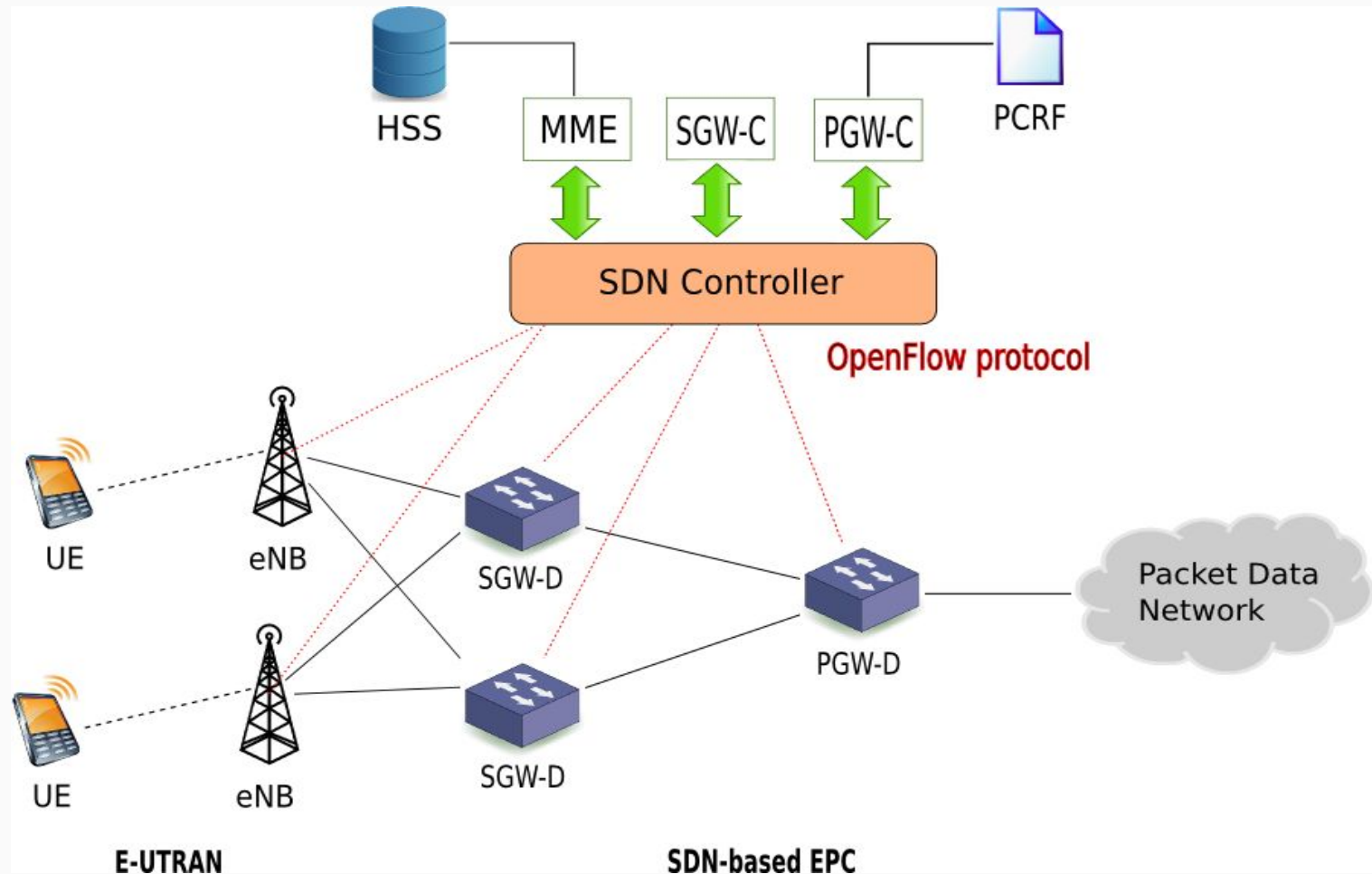
Traditional LTE EPC Architecture

- Highly inflexible
- Cost - use of proprietary boxes
- Control plane and data plane coupled together
- **High signalling overheads**



Proposal: SDN-based LTE EPC

- Scalability, Flexibility, Cost
- Reduced signalling overheads



Thank you