

F5G – Usecase

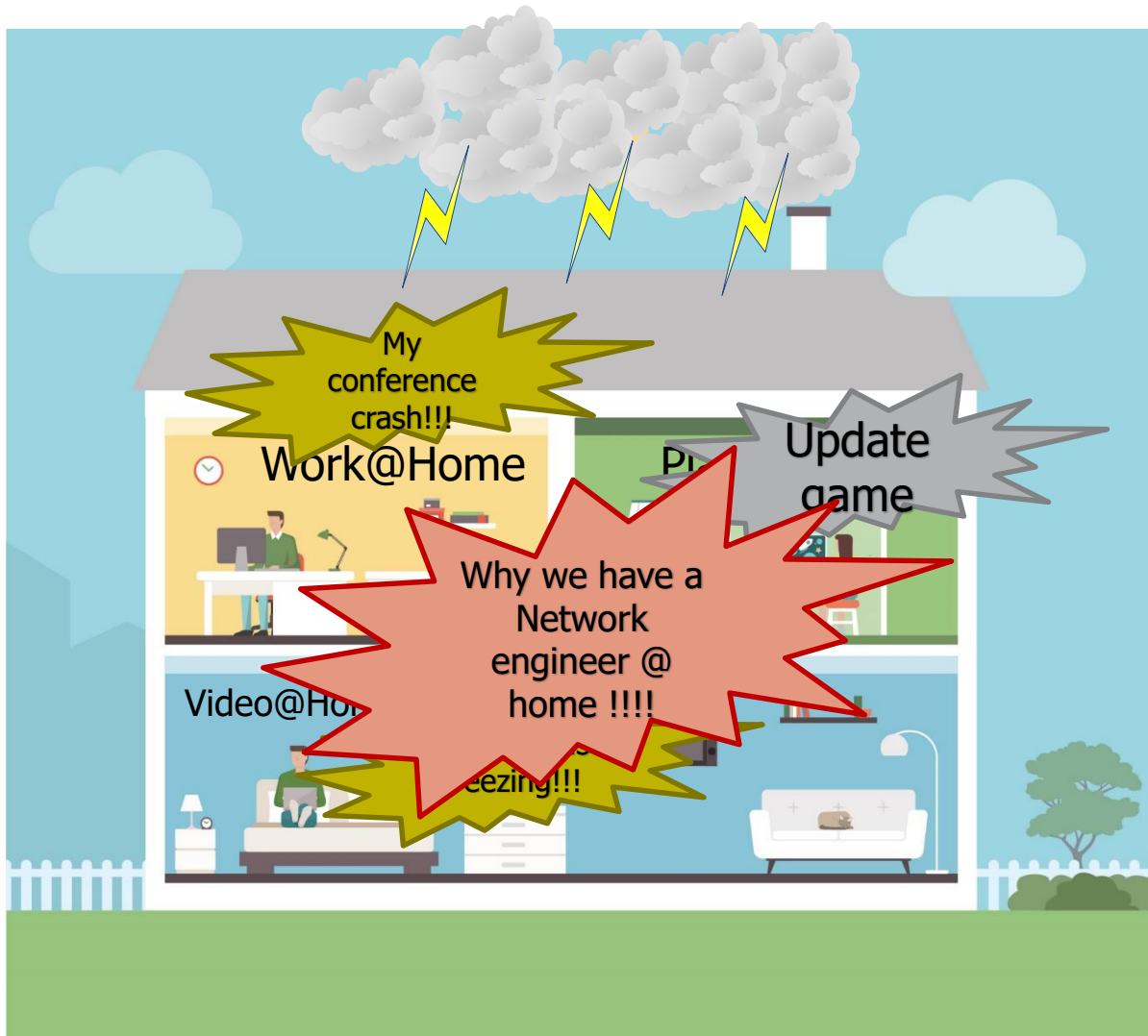
On Demand High Quality Transport for Real time application

Dr. Olivier Ferveur

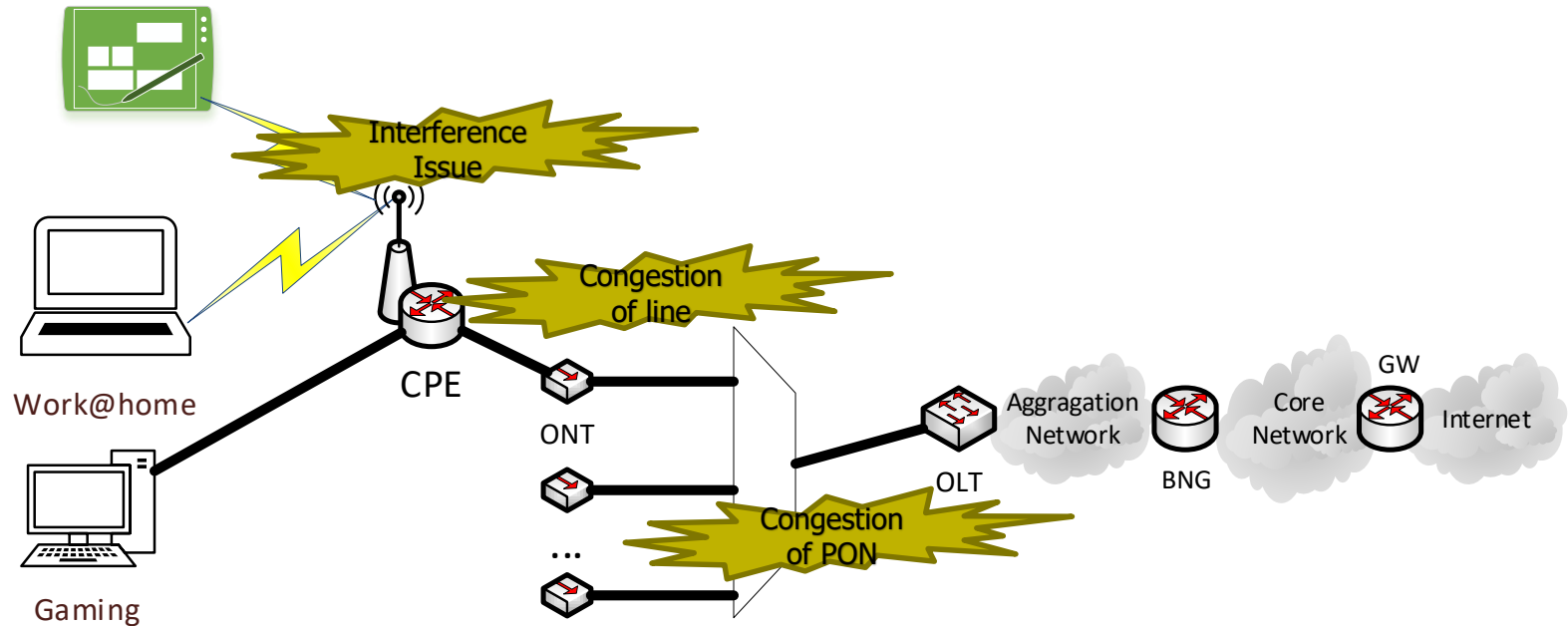
10/10/2020



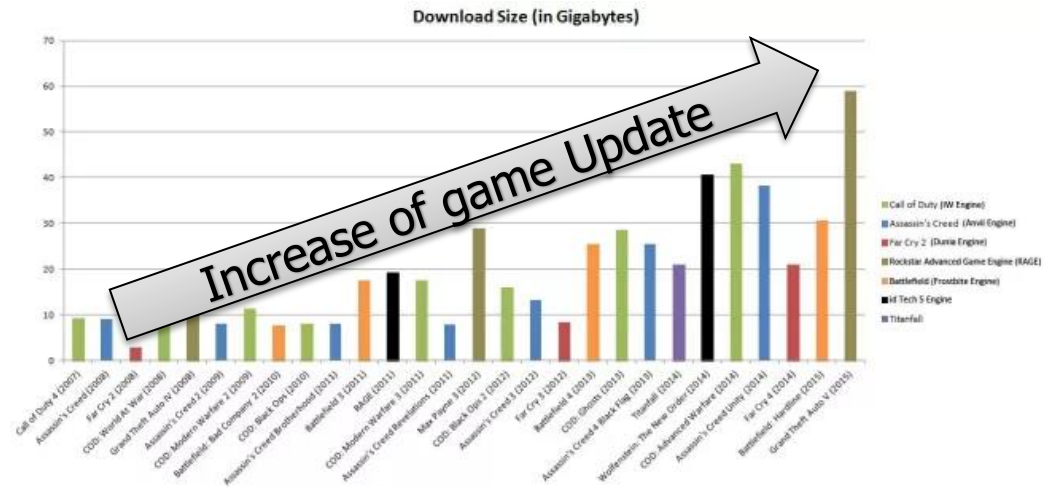
The lockdown : The Network Engineer nightmare



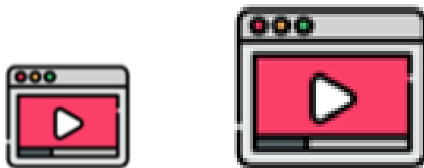
Technical explication



Bandwidth new requirements



X4 DATA



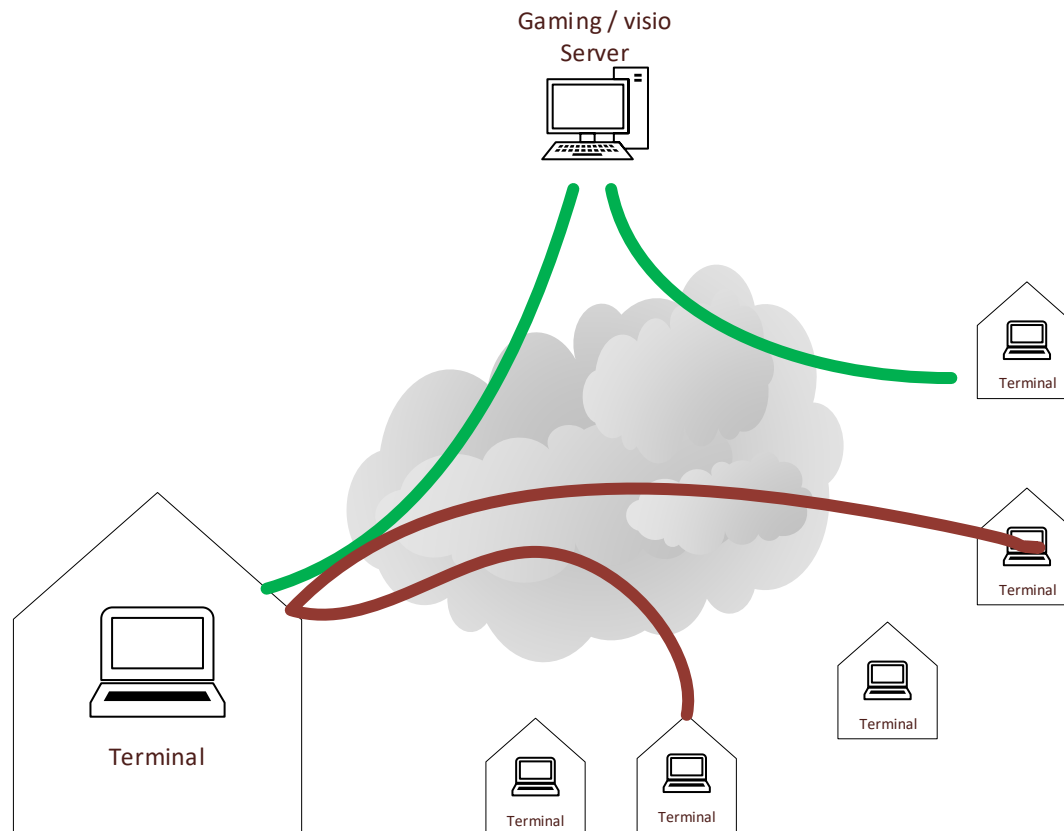
4K

8k

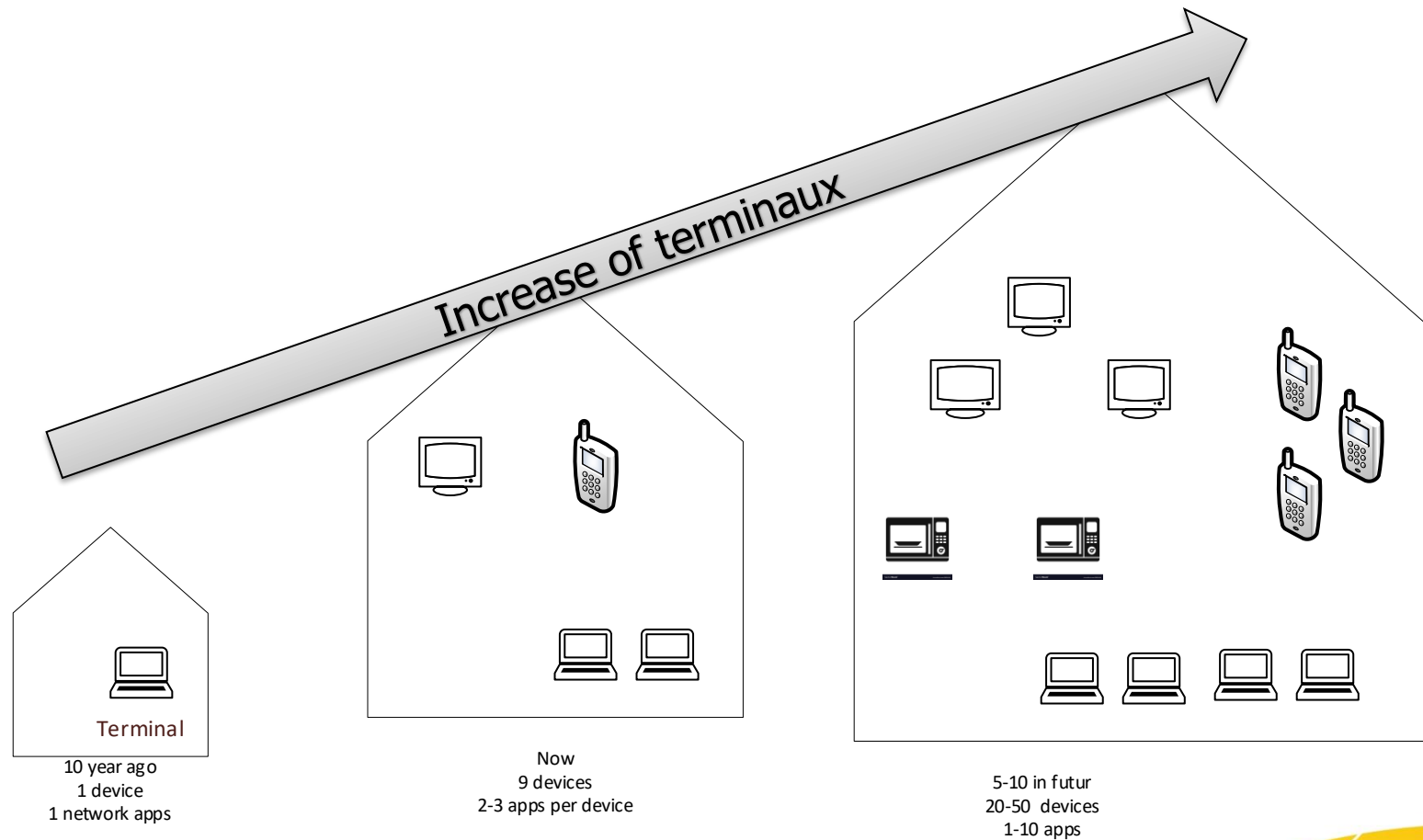
Evolution Of Residential Domain

- + More Needs for App
- + More Apps
- + More Terminals

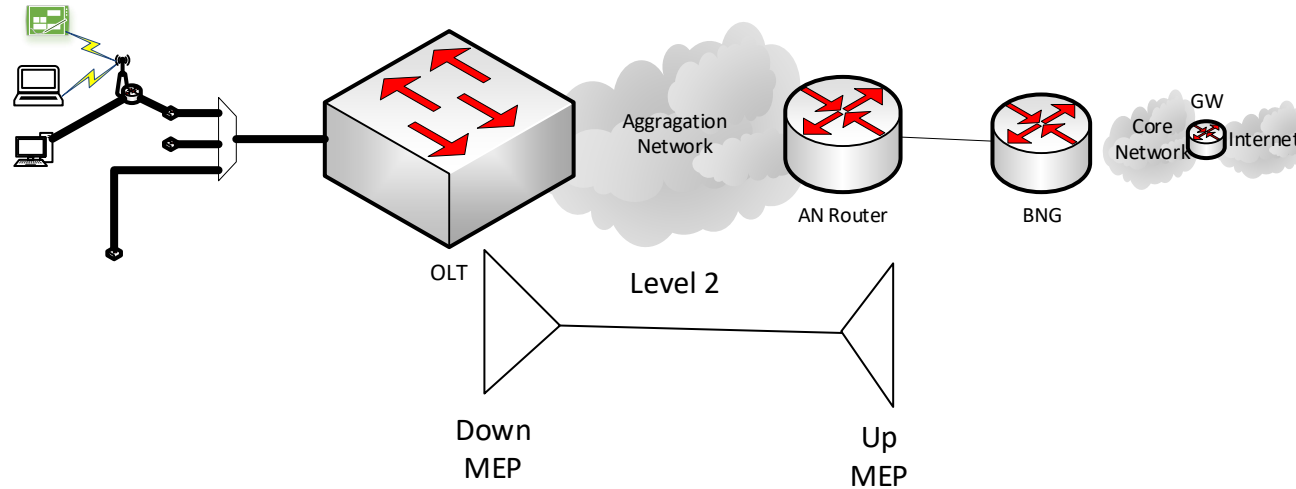
Latency / free drop requirements



Increase of network consumer in the house

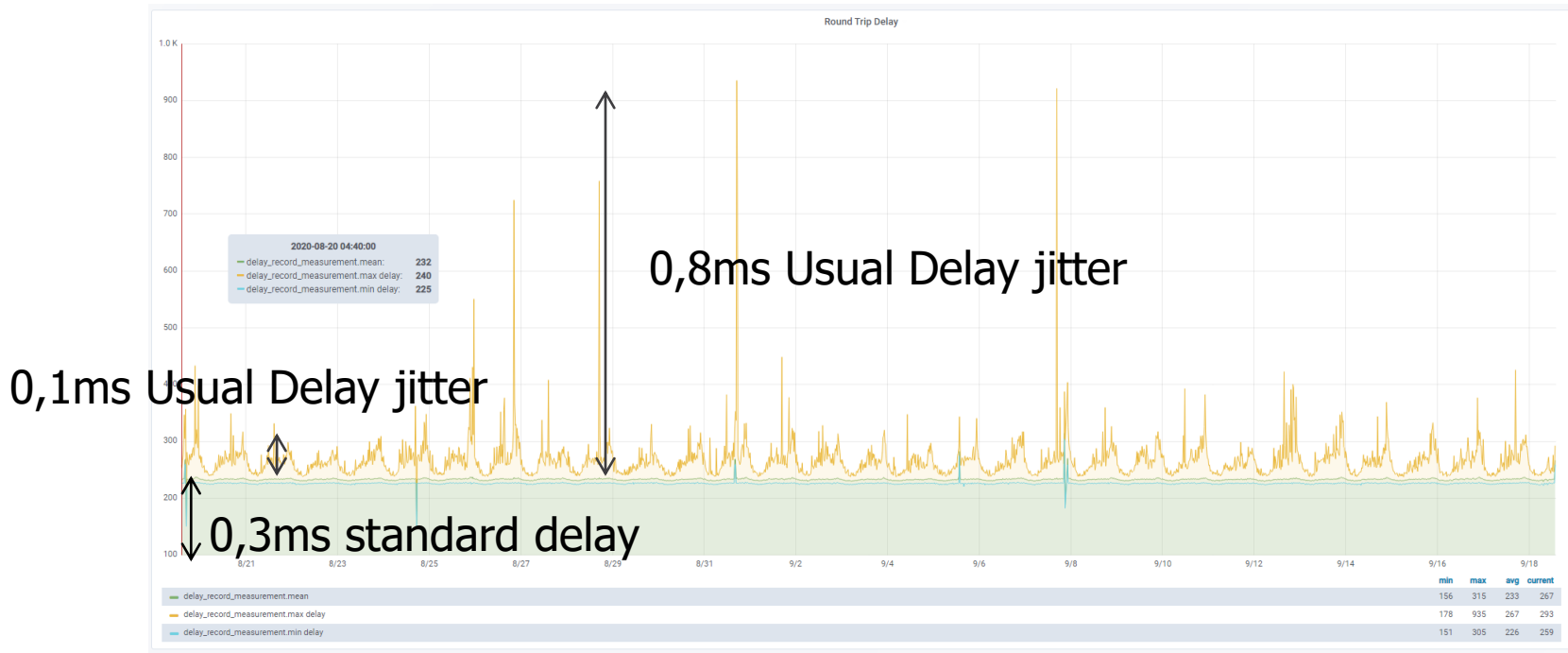


Transport Network delay variation Experimentation

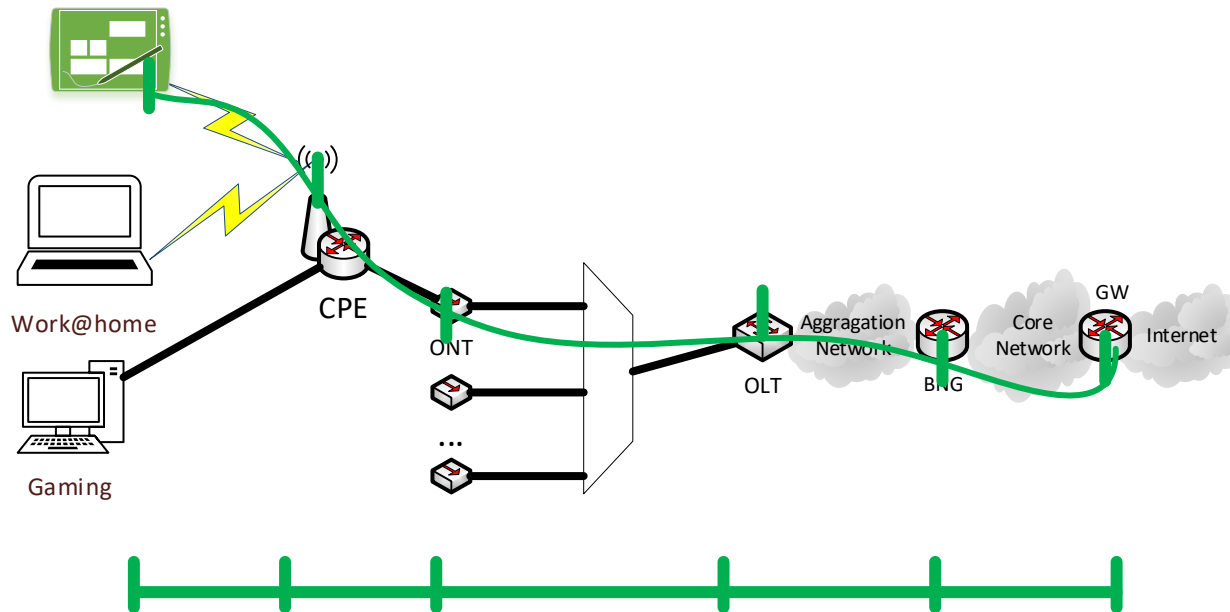


OLT uplink 20Gbps peak-hour@5min stat : 4gbps
BNG link 100Gbps peak-hour@5min stat 40Gbps

Transport Network delay variation

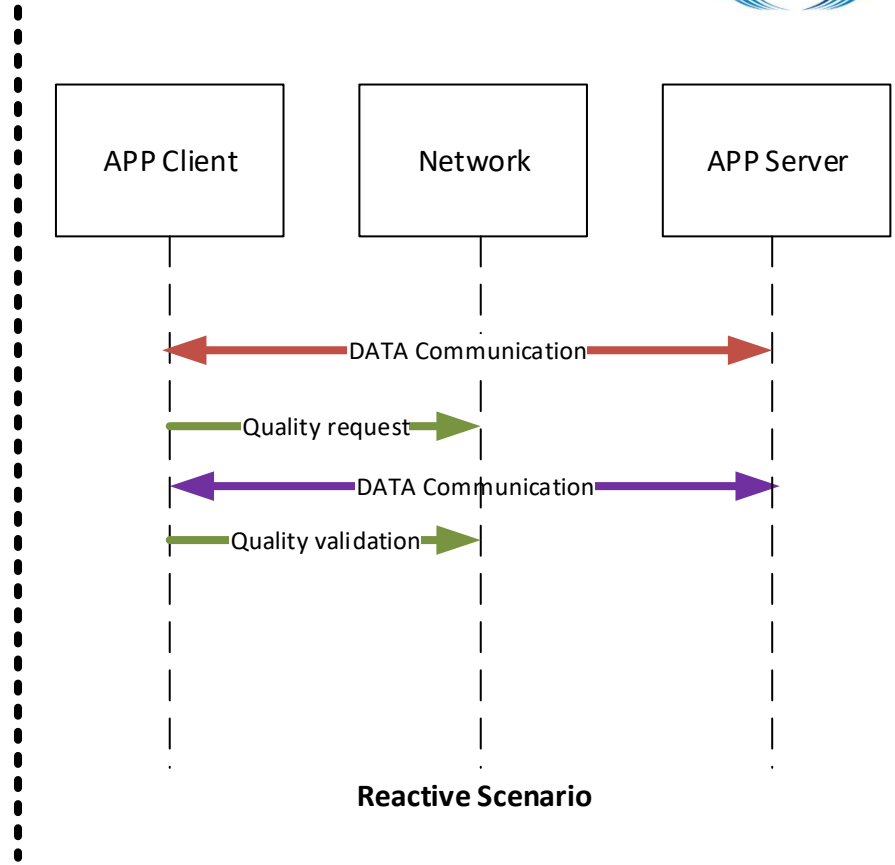
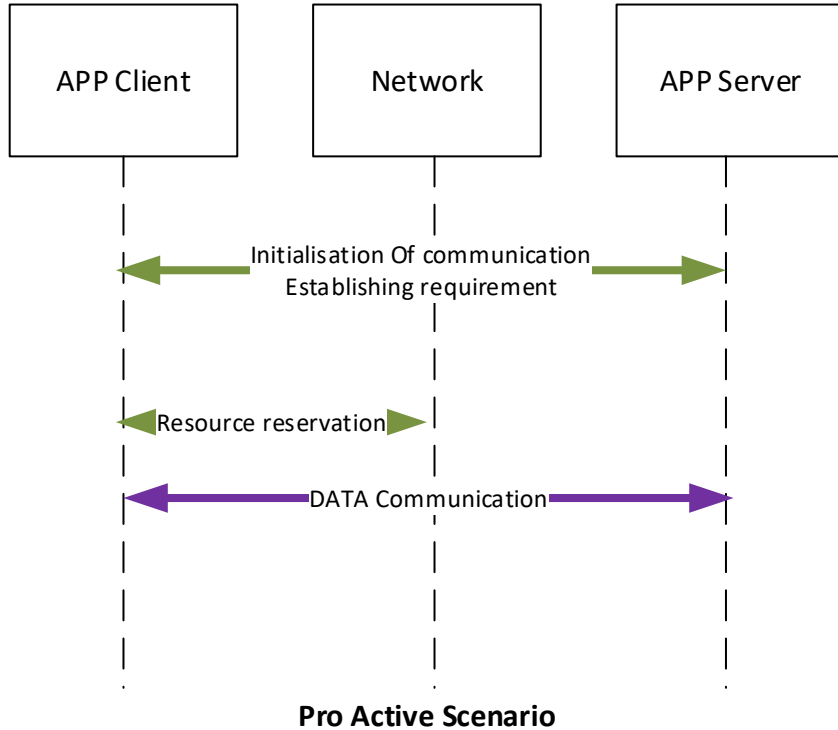


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Elaborate Ressource allocation for an app

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Post View of the usecase

One relevant exemple

QoE is the next challenge

=> could be performed only if we have collaboration between segment and layer

25% of intervention tickets that involved man of field are related to No Error network

But Consume 57% of time of technicians !!

Thanks !!

Join F5G adventure!!!

Don't hesitate for Question !!!

