Use Cases of Computing-aware SFC & SD-WAN


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Background

- multiple data centers or computing resource pools distributed deployment
- To provide better services
  - In addition to the cost or latency of network paths between the DCs, whether computing resources should be considered?
  - How to measure computing resources? the number of vCPU, CPU utilization, Memory Utilization, Or others?
  - What technology is used to achieve computing-aware function?
Use Cases of Computing-aware SD-WAN

- the same network states;
- Client1 and Client2 visiting APP1 in cloud1;
  - How about Client3?
  - Client3 -> CPE ->WAN2-> Cloud2 vCPE2 -> Cloud2 APP1
Use Cases of Computing-aware SFC

- to access FW and VO

- Which DC is better to provide FW

- CPE -> R1 -> R2 -> DC2 FW -> R2 -> R3 -> DC3 VO -> R3 -> R4 -> internet
Next Step

- Solicit comments and refine the draft
- Seeking solutions
Thank You!