



CDN use case



Luis M. Contreras

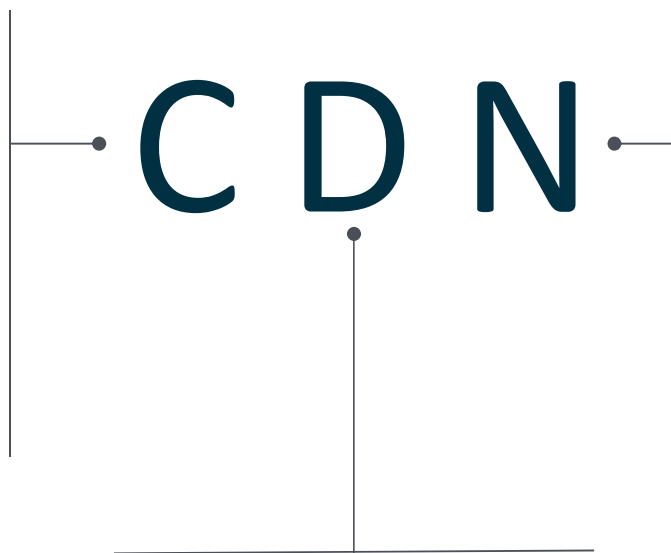
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APN-aware networking

Content

Different kinds of contents addressing different types of services become distributed from CDNs: streaming videos, large files, software upgrades, VR/AR, gaming, etc. Those services present different characteristics (i.e., SLOs)



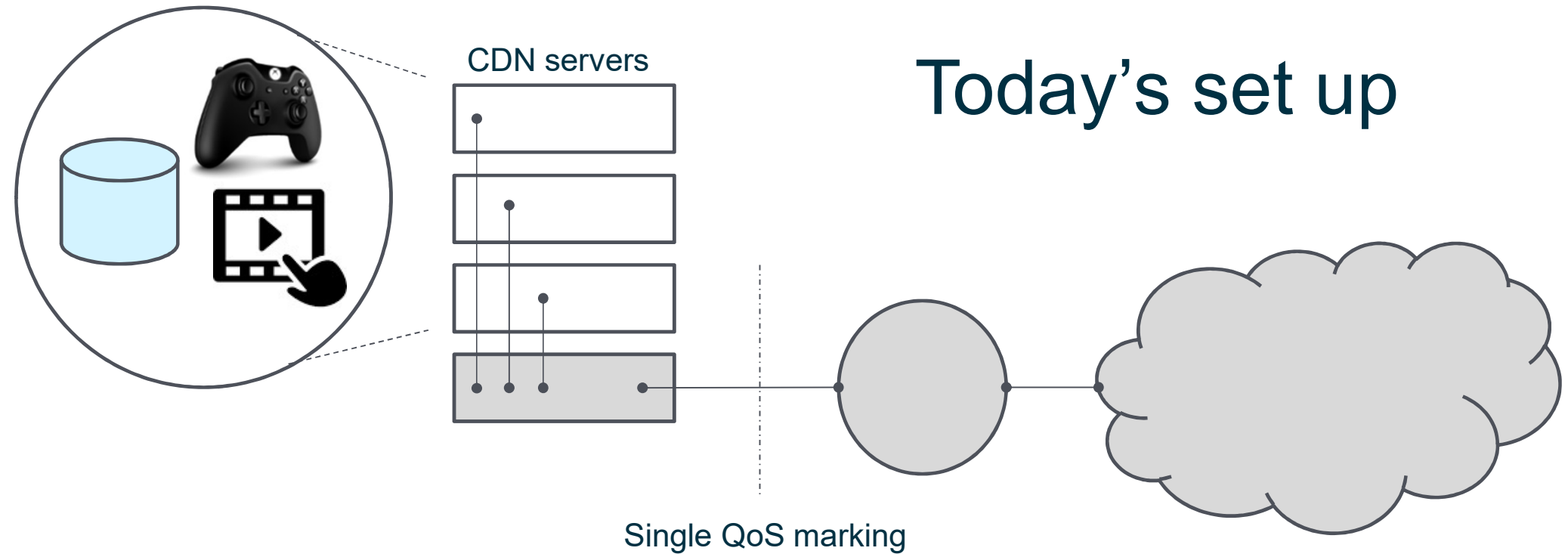
Network

Homogeneous behavior should be expected independently of the node that injects the traffic, and the content provider who injects such traffic

Delivery

Today uniform treatment of CDN traffic, since the Network is unable to get / capture finer details of the transported traffic

Today's set up



- Additional information from application (e.g., performance requirements) could be beneficial for assuring service delivery from network perspective
- Information originated by the application, not inferred by the Network by any means

Conclusion

- Having additional information from the application could help on improving the delivery of the traffic
- Such information would be generated by the application, so no inference from the Network, being used in an straightforward manner
- That information should be normalized in order to ensure similar behavior for similar applications