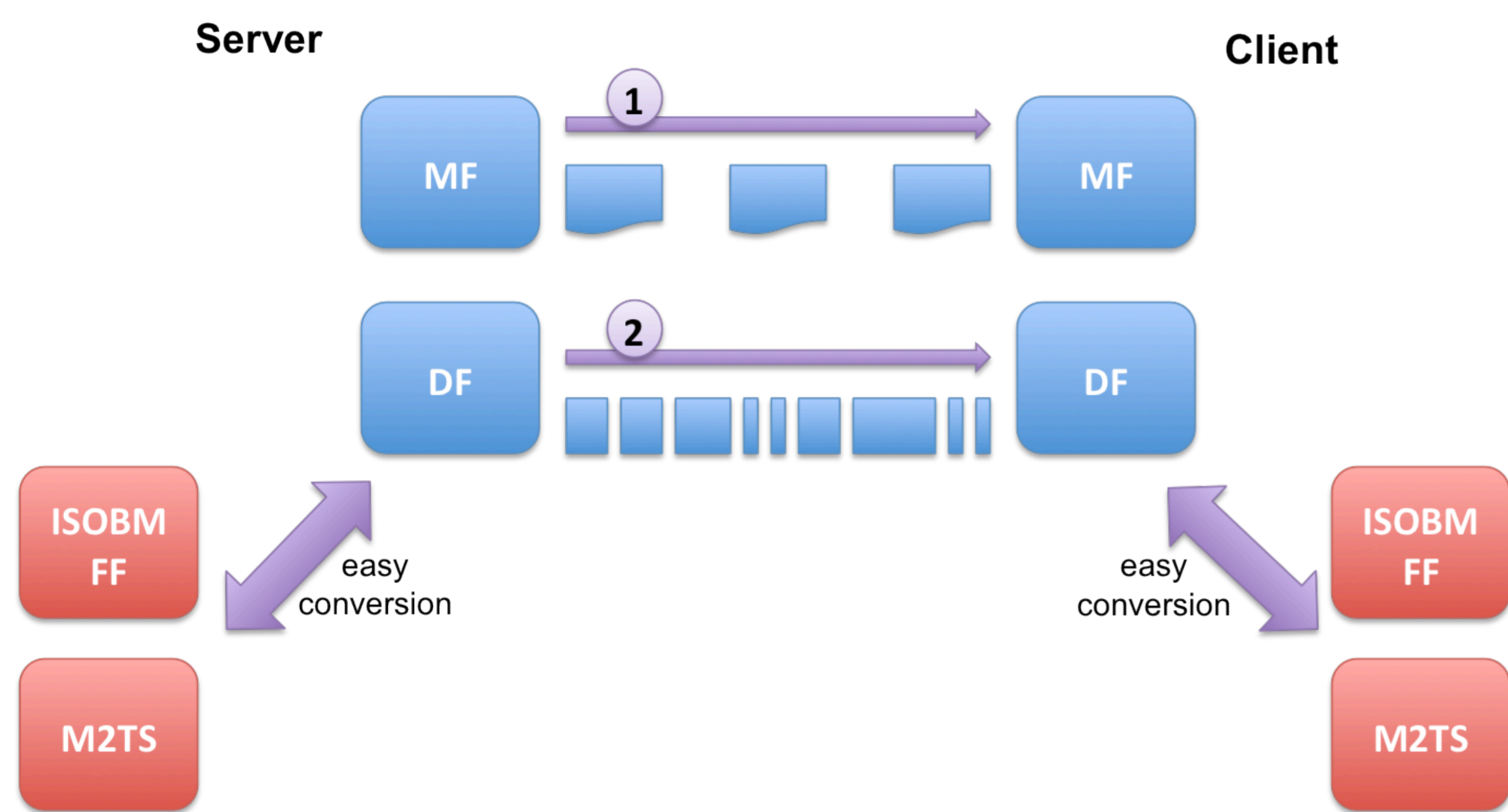


A VLC Media Player Plugin enabling Dynamic Adaptive Streaming over HTTP (DASH)

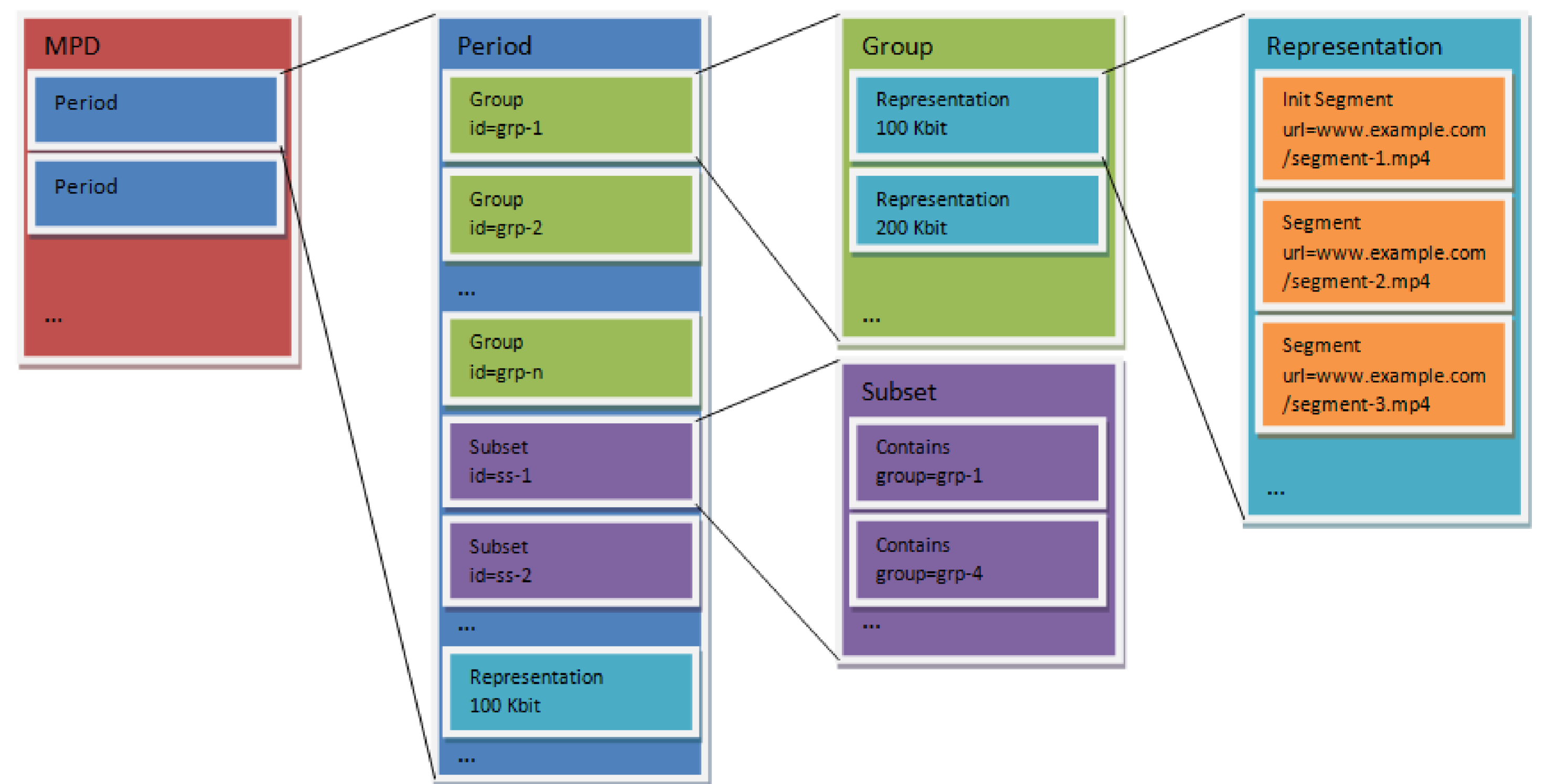
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 E-mail: {firstname.lastname}@itec.uni-klu.ac.at

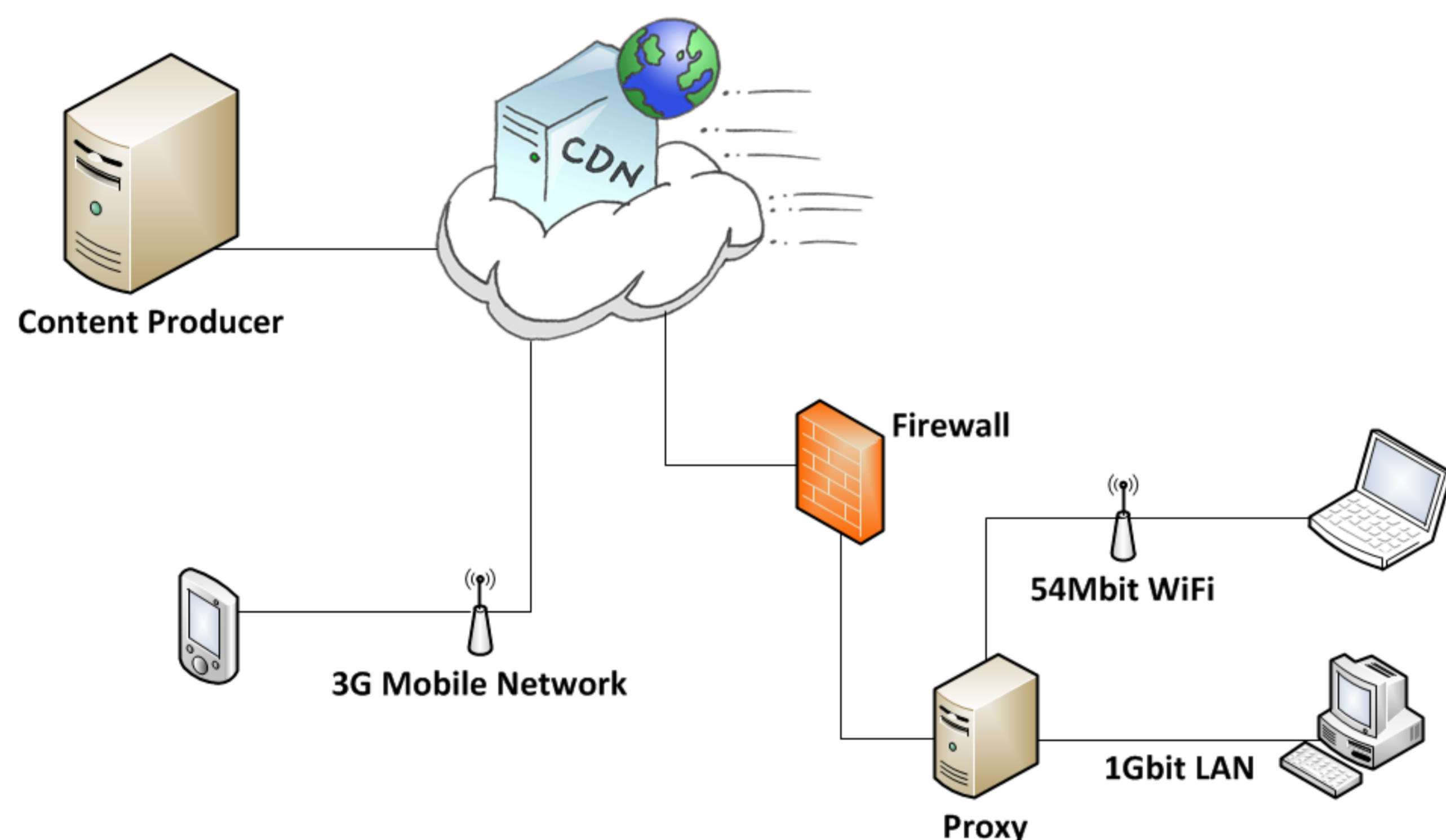
DASH



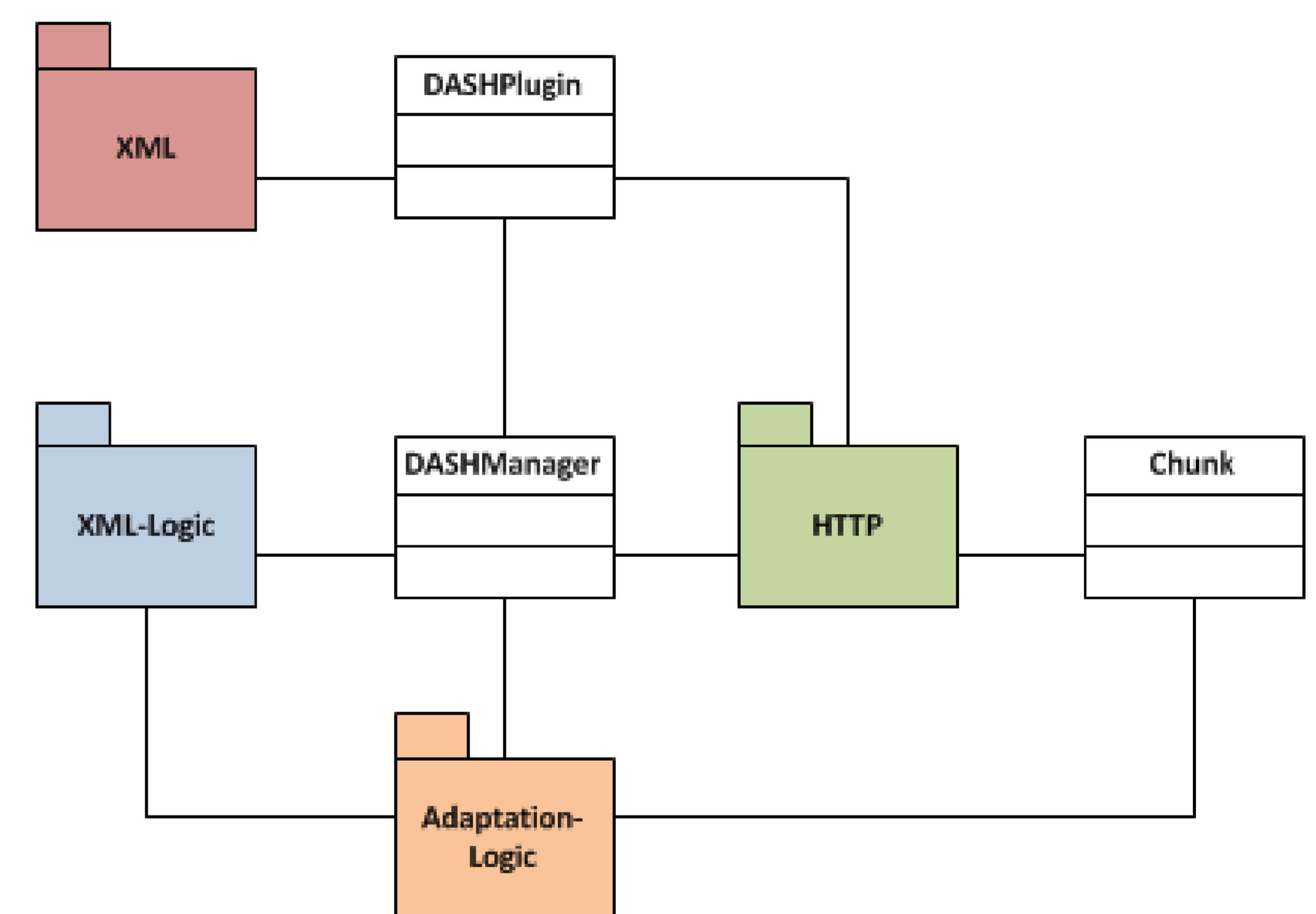
DASH Data Model



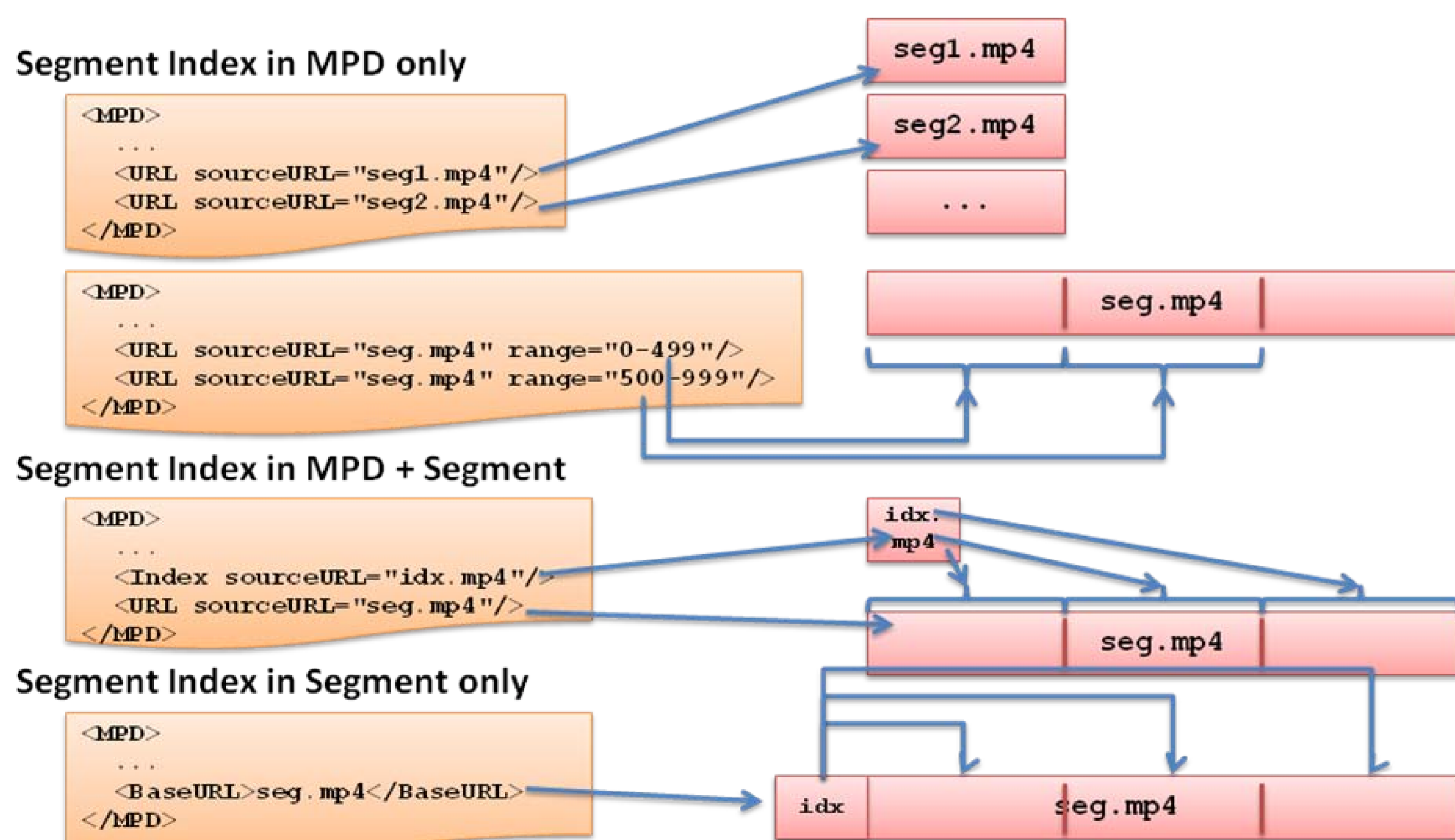
DASH Deployment Architecture



Plugin Architecture



Segment Indexing



DASH at the University of Klagenfurt

<http://www-itec.aau.at/dash>

Join this activity, everyone is invited
 – get involved in and excited about
 DASH!

Conclusion

This poster describes an implementation of the emerging Dynamic Adaptive Streaming over HTTP (DASH) standard which is currently developed within MPEG and 3GPP. Our implementation is based on VLC and fully integrated into its structure as a plugin. Furthermore, our implementation provides a powerful extension mechanism with respect to adaptation logics and profiles. That is, it should be very easy to implement various adaptation logics and profiles. Future versions of the plugin will provide an update to the latest version of the standard (i.e., a lot of changes have been adopted recently, e.g., Group has changed to AdaptationSet), add support for persistent HTTP connections in order to reduce the overhead of HTTP streaming (e.g., compared to RTP), and seeking within a DASH stream.

Acknowledgements



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