Specific Questions & References

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September 27, 2015

1. Which techniques have been implemented in YouTube, in order to reduce the bandwidth consumption?
   – keywords: Distributed Caching, Standalone Caching,

2. Are there any optimizations have been used for the popular videos and non-popular videos? if yes, which one?
   – keywords: Content Delivery Network,

3. Which buffering techniques are effective from YouTube side, buffering all the time, or buffering just a little bit ahead of current position?
   – keywords: Dynamic Adaptive Streaming over HTTP,

4. Can big data analysis help YouTube offer better service? if yes, in which aspects?
   – keywords: Machine Learning, Unsupervised Learning

 Possible references:

1. `http://www.net.in.tum.de/fileadmin/bibtex/publications/papers/braun_noms2012_youtube_caching.pdf`

2. `http://delivery.acm.org/10.1145/1300000/1298310/p15-gill.pdf?ip=212.201.44.243&id=1298310&acc=ACTIVE%20SERVICE&key=2BA2C432AB83DA15%2E318804F7DA4CB2F4%2E4D4702B0C3E38B35%2E4D4702B0C3E38B35&CFID=716924910&CFTOKEN=49112477&__acm__=1443359811_23f2c9c852c6008d04a280f7ddf79bf1`

3. `http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4539688`