

Adaptive Video Streaming over ICN

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What's new from -00 to -01?

- **Significant evolution**
- **Version 00 was to start defining the problem**
- **Generated interest from many people, discussed in Berlin, now a group work item**

What's new from -00 to -01?

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What's new from -00 to -01?

- Expanded the document to other forms of video streaming beyond DASH, incl layered coding.
- Considered P2P video streaming
- Considered IPTV requirements
- Expanded the DASH over CCN discussion to include testbed and open source tools
- Added a section on research challenges, incl wireless environments and DRM.

- Right now, in a gathering phase, not in a filtering phase

From -00 to -01 to what?

- **Purpose of document is to generate discussion**
- **Define the issues arising from running current video streaming over ICN**
- **Have we identified the relevant challenges?**
- **Some of the sections start going into solutions**
 - Maybe this can be put together into a different documents later on
 - Focus this document onto the video challenges as an informational RFC
- **Current focus has been to run existing video streaming services onto ICN -> should the goal be to design an ICN specific video streaming solution?**

Sunday Meeting Summary

- **A lot of feedback: hoping it translates into mailing list discussion and contributions!**
- **Questions to resolve:**
 - Why do video technology X (PPSP/IPTV/DASH) over ICN? Is video at the application layer and not at architecture layer?
 - Are there abstractions for video in ICN that could emerge from this study? (catalogue abstractions instead of tracker/MPD)
 - Isn't ICN supposed to subsume P2P?
 - DRM: isn't the question larger than ICN? IETF doesn't do DRM?
 - Aren't the issues discussed re: X specific to architecture Y?
 - Immutability of objects?
- **Current draft will evolve to answer these questions**