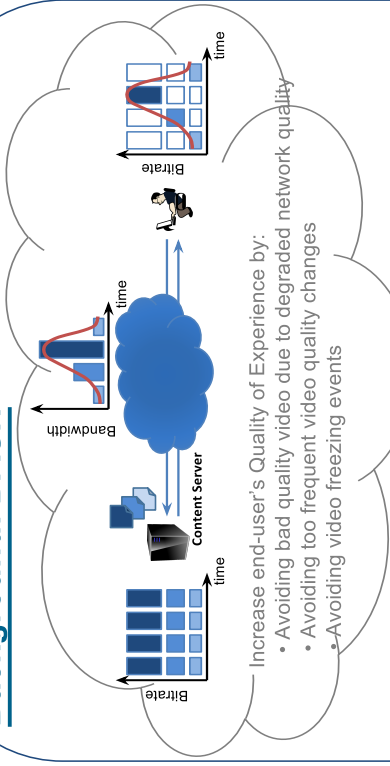


Multiple-Source Stream

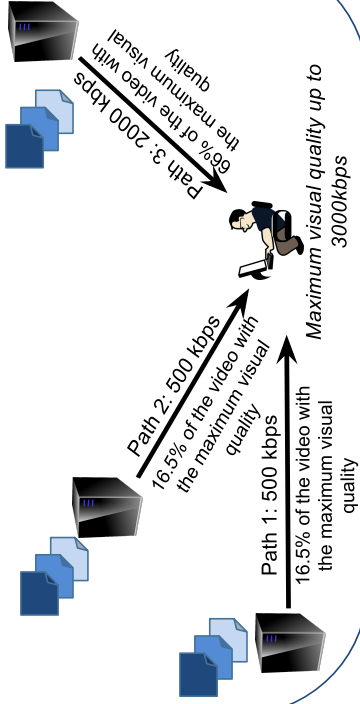
Background: DASH



Increase end-user's Quality of Experience by:

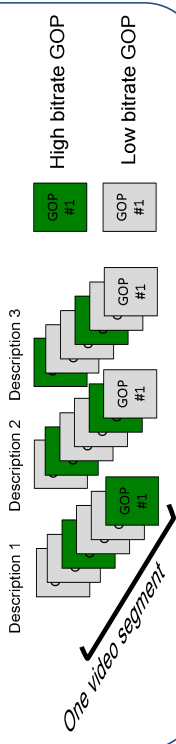
- Avoiding bad quality video due to degraded network quality
- Avoiding too frequent video quality changes
- Avoiding video freezing events

Our contribution: Multiple-Source Stream

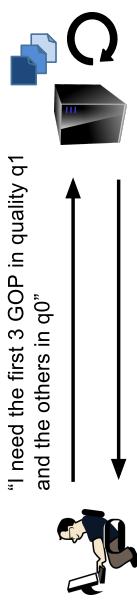


Encoding Scheme

- ✓ Standard-compliant
- ✓ Low complexity
- ✓ Redundancy tunability
- ✓ High possible number of description



Gop repartition controlled by the player



Quality selection algorithm

Step 1 - Get the bandwidth available for every server thanks to the last requests.

Step 2 - Add the bandwidths.

Step 3 - Select the maximum quality that can be downloaded using all of the links.

Step 4 - Distribute the maximum quality through the servers according to their own bandwidth.

