



Adaptive Video Streaming for Mobile Clients

Demo Session

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Adaptive Video Streaming for Mobile Devices



Mobile devices

- Smartphones, PDAs, pocket multimedia players
- Limited resources
- Great heterogeneity

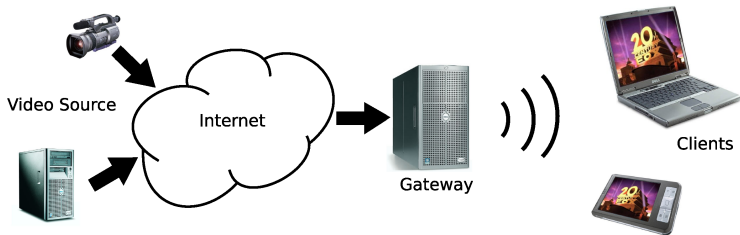
Video streams

- High data rates
- Complex to decode
- Fixed encoding parameters

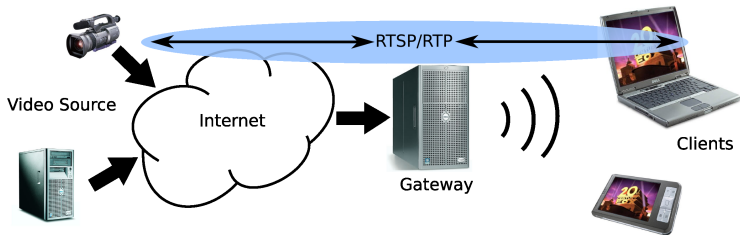
Approach

- Video adaptation on gateways
- Multidimensional compressed domain transcoding

Demo Overview

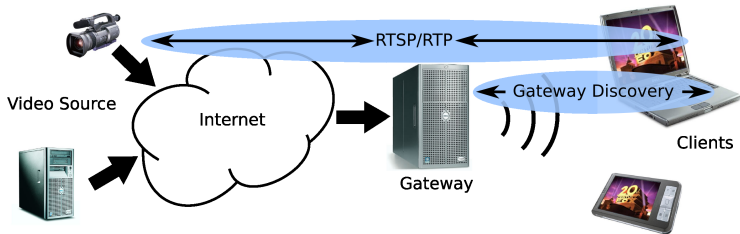


Demo Overview



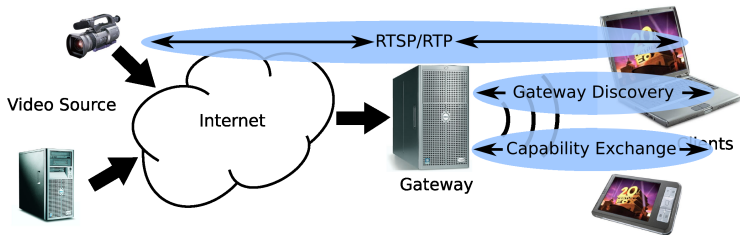
- Media session by RTSP/RTP

Demo Overview



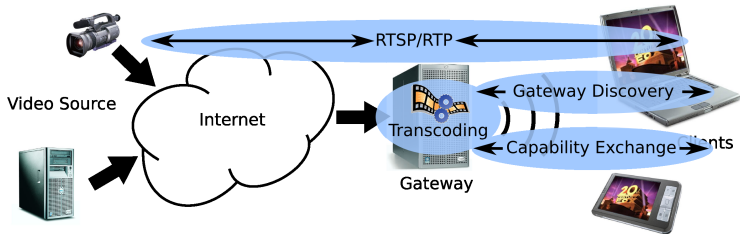
- Media session by RTSP/RTP
- Gateway discovery based on SLP

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- Capability exchange based on CC/PP

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- Gateway discovery based on SLP
- Capability exchange based on CC/PP
- Multidimensional transcoding