

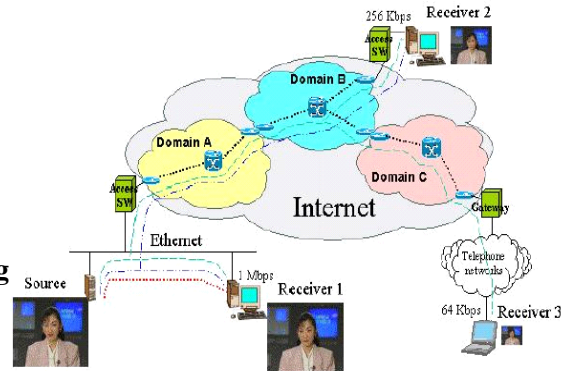
异构网络流媒体 Media Streaming over heterogeneous Network

Challenges:

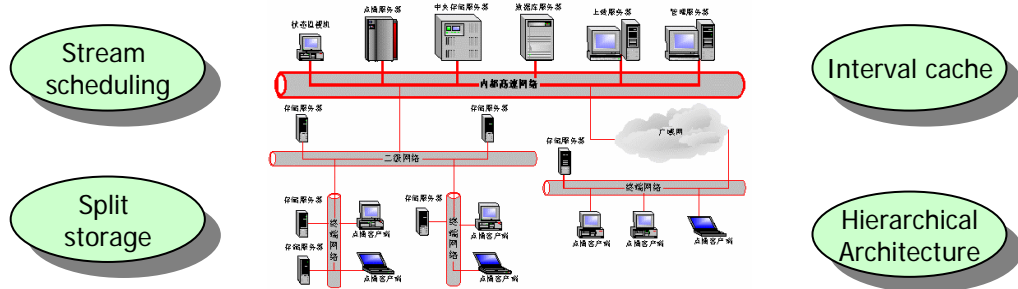
- Limitation and variance of Bandwidth
- End-end Delay and jitter
- Congestion and packet lost
- Heterogeneous of network and device

Our research work:

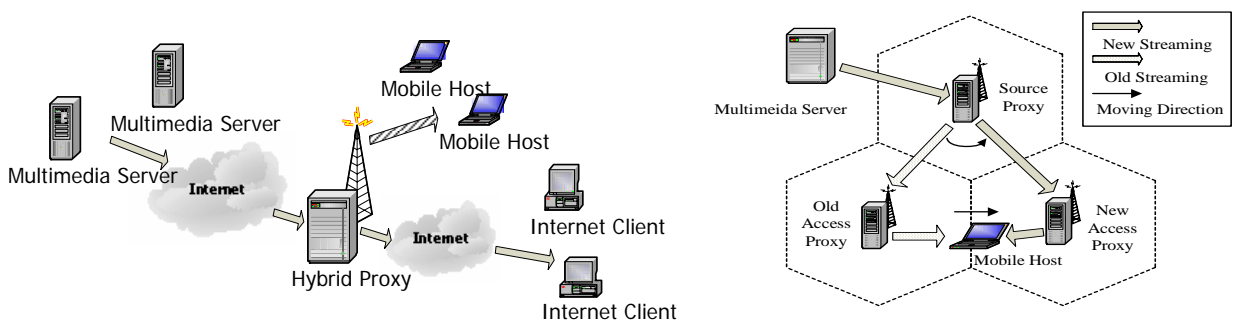
- High efficiency and scalable video coding
 - Scalable video coding
 - Transcoding between MPEG-2 and H.264
 - Distributed video coding
 - Unbalanced Multiple Description Coding for streaming over wireless/mobile network



- Distributed hierarchical video server and streams schedule

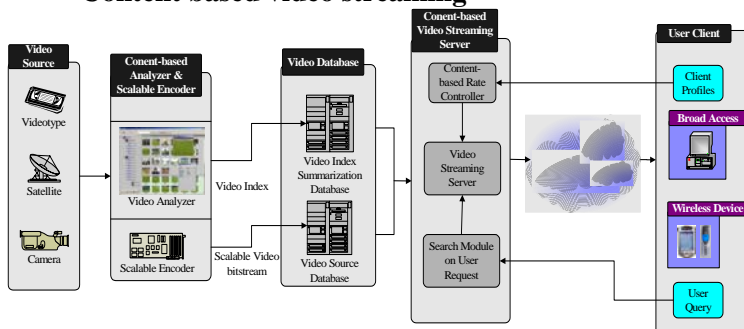


- Streaming Proxy Server and proxy cooperation



MobileCache-Multimedia Proxy Cooperation in wireless environment

- Content based video streaming



- Large scale peer to peer video streaming architecture

Supported by
863, 973, NSFC
Cooperation with
Intel, Microsoft MSRA