2009

VERSO

ANR-09-VERS-014

ViPeer

Video Traffic Engineering in an Intra-Domain Context using **Peer**-to-Peer Paradigms

AGENCE NATIONALE DE LA RECHERCHE

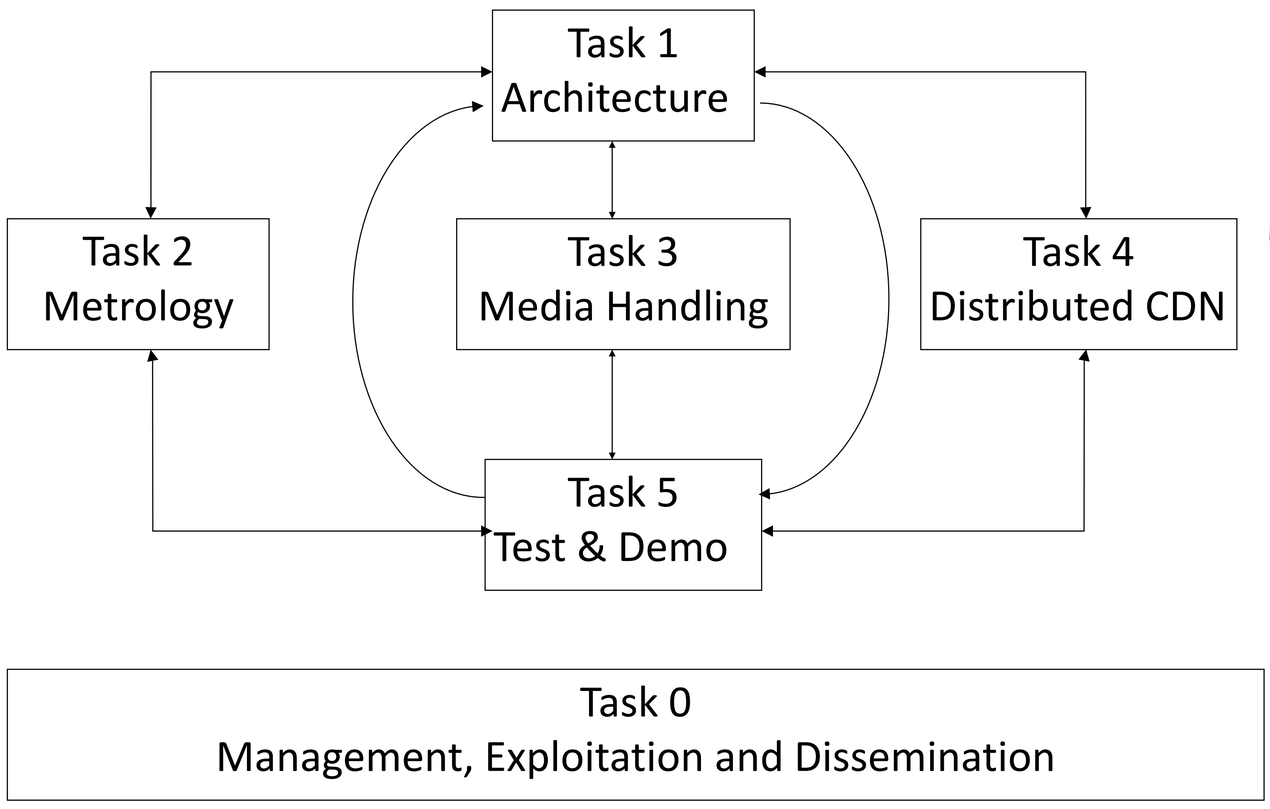
ANR

Objectives

- An intra-domain architecture for controlling video distribution within a single operator's domain
- A distributed Content Distribution Network (dCDN) relying on a large number of small nodes (e.g. "boxes") controlled by the operator
- A partial implementation of Content Centric Networking
- A network design, as a cloud delivering video based services (Internet TV, Video on Demand, YouTube clips, etc.)

Technical Blocks

- Design of a dCDN that interacts both with traditional CDNs and with a network operator
- Metrology tools to monitor network performance and control delivered QoE
- Dynamic media handling (coding/decoding/transcoding) under network operator's control
- Usage and popularity based policies for uploading video objects within the dCDN



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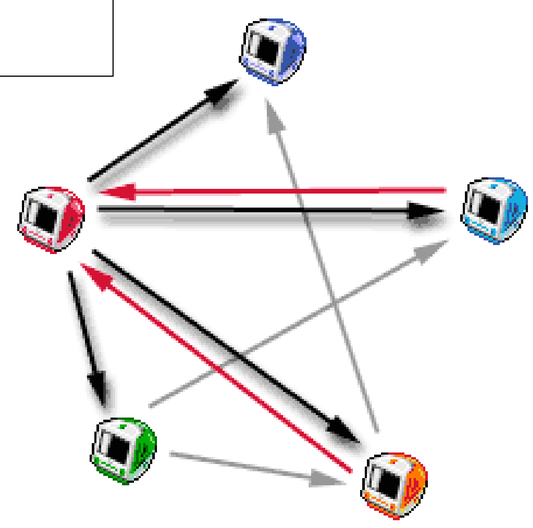
Duration: 36 months

T0: January 1st, 2010

Global budget: 3.22 M€

ANR Funding: 1.26 M€



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