

DECADE Problem Statement

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A summary of problems

- P2P applications contribute a lot of traffic to the network
 - Last mile
 - backbone
- Existing solution(cache) is not efficient
 - May need DPI
 - Bind application control plane with the data plane, but the complexity is that there are too many applications...

A summary of goals

- Goals
 - Reduce the last mile bandwidth
 - Reduce the complexity of existing cache and provide open access
- How to do it
 - Decouple the control plane with the data plane
 - Let the applications resolve the app logic by themselves
 - Provide in-network storage with open data plane access, to distribute data for applications
 - Provide authentication/authorization/resource control models to meet requirements of different types of applications

Next step

- Refine the document(need reviewers)
- WGLC after another iteration?

Thank you!