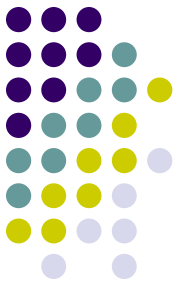# Holding the Ongoing Sessions on MIF Hosts

draft-cao-mif-ongoing-session-00

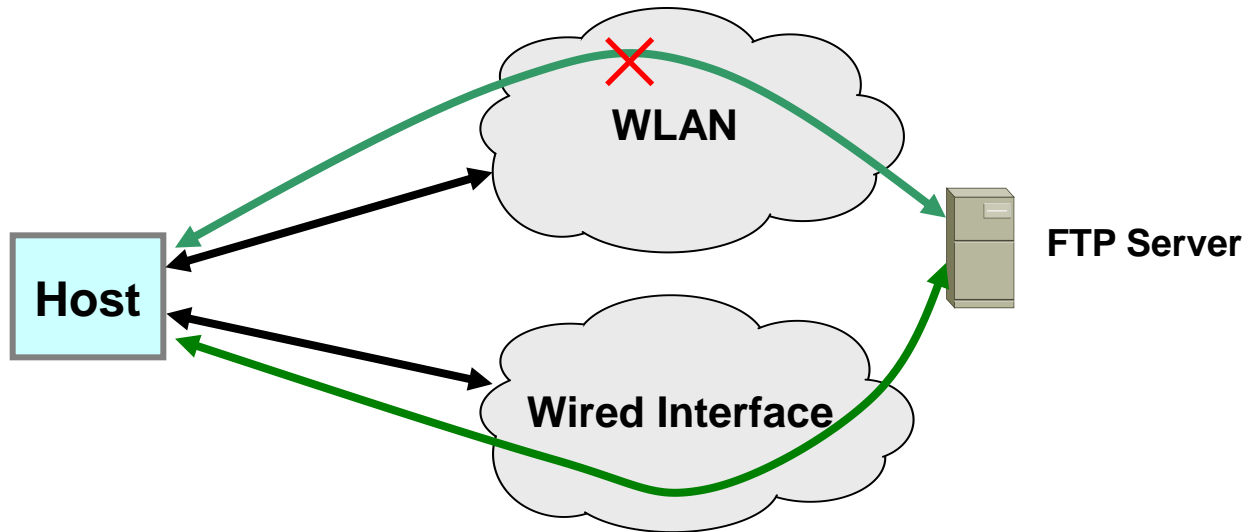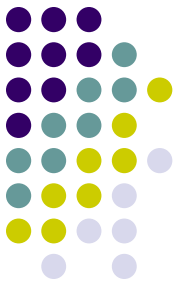Zhen Cao, Dapeng Liu

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The Problem, already in Sec.3.4 of the PS draft

- When an application is using one interface while another interface with better characteristics becomes available, the ongoing application session could be transferred to the newly enabled interface. However, in some cases, the ongoing session shall be kept on the current interface while initiating the new sessions on the new interface

- The problem of the interface selection is within the MIF scope and may leverage specific node functions

An Example: FTP

- Normally, wired interface has a better metric than Wlan
- While the FTP session is going on the WLAN, the wired ethernet is enabled.
- The session will be shifted to the wired.
- This ping-pong phenomenon is not good for user experience

Solutions

- Connection manager support:
  - adding a specific route to the routing table to stick to the old interface

- OS support:
  - an application can stick (using some API) to the old interface for the time of its choosing even after higher priority interface has become available

Thank you