



# Simultaneous Multiple Network Access

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# Introduction

- Today's Notebook/Netbook's and wireless connectivity
- Single Access
- The problem of low bandwidth





# The Problem

- Scenario: All available connections have low bandwidth





# The Solution

- Connect to multiple networks at the same time, thereby increasing the bandwidth use. This would make it easier to get good bandwidth at places where each wireless network has limited bandwidth.





# The Project

- For Linux
- Incremental Development
- Students involved in the initial phase:
  - Niranjan
  - Anirudh
  - Vikram

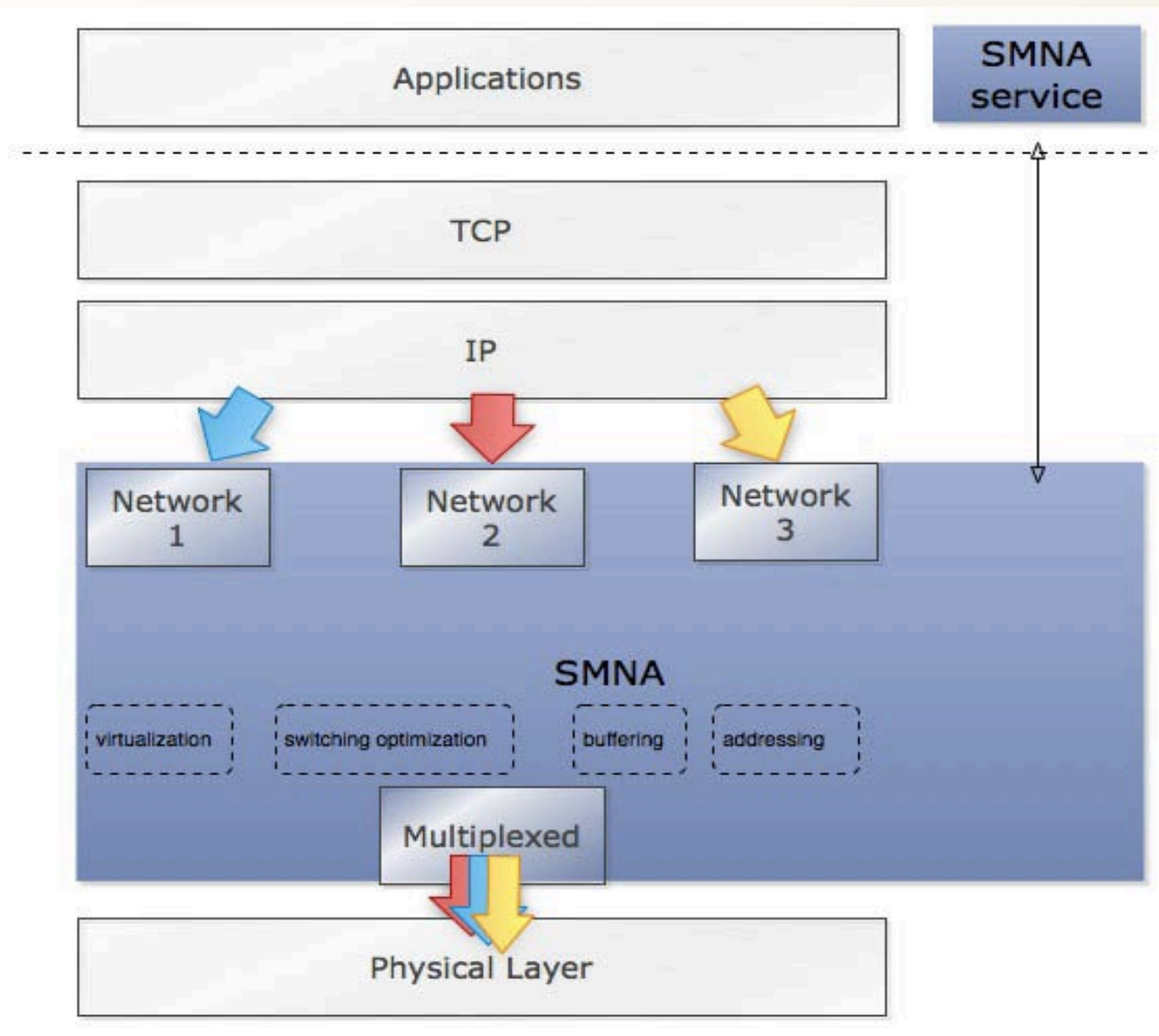


# Approach

- Virtualization
- Switching
- Addresses
- Buffering
- Monitoring bandwidth usage



# The Architecture





# Current Progress

- For a Wired and Single Wireless connection
- Working on Optimization rules
- Data Collection
- Network adapter interfacing



# To do

- Virtualization
- Multiple Wireless Cards Multiple Connections
- Single Wireless Card Multiple Connections



Thank You

