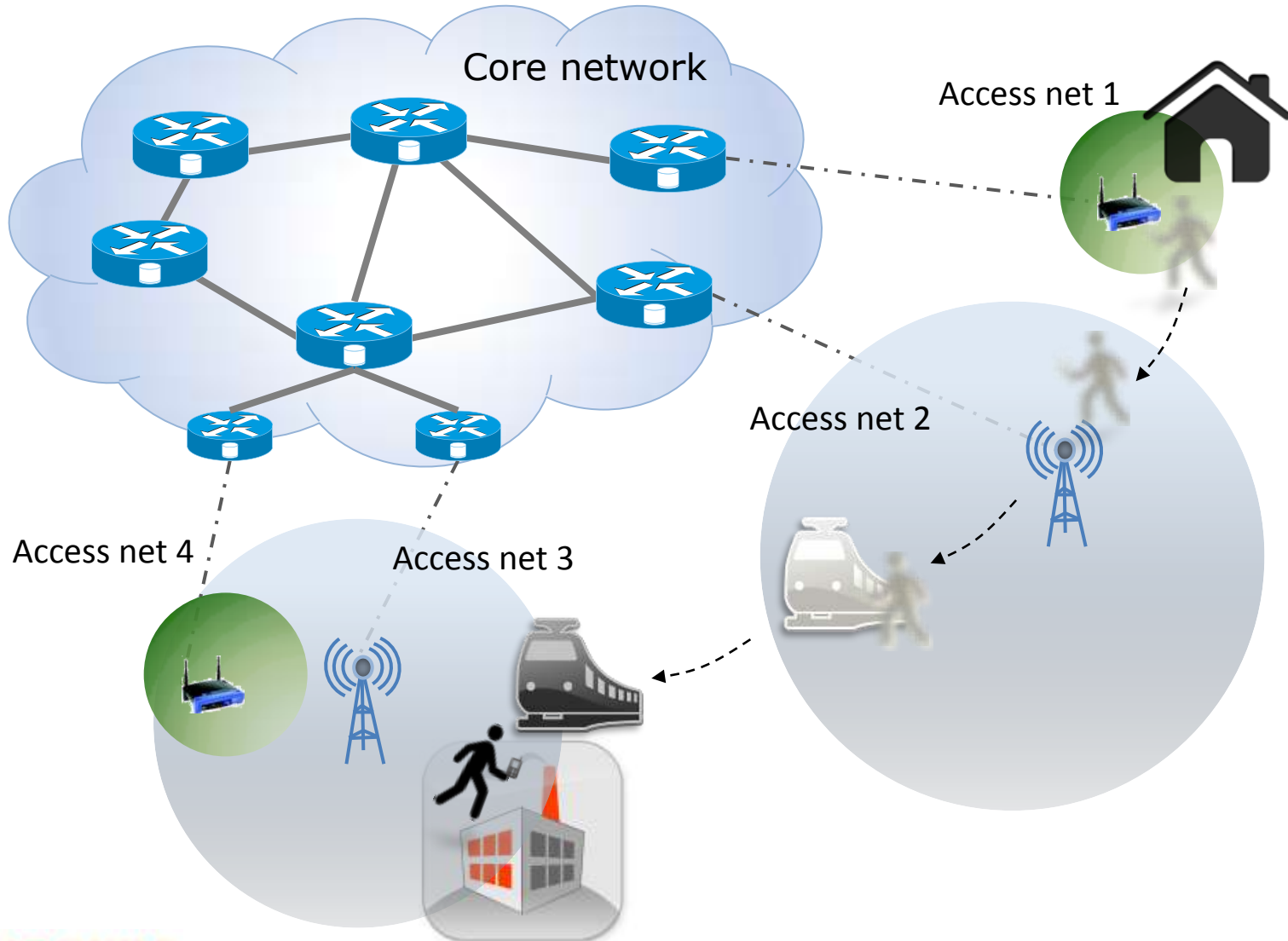


Programming Networks & GENI: MobilityFirst Perspective

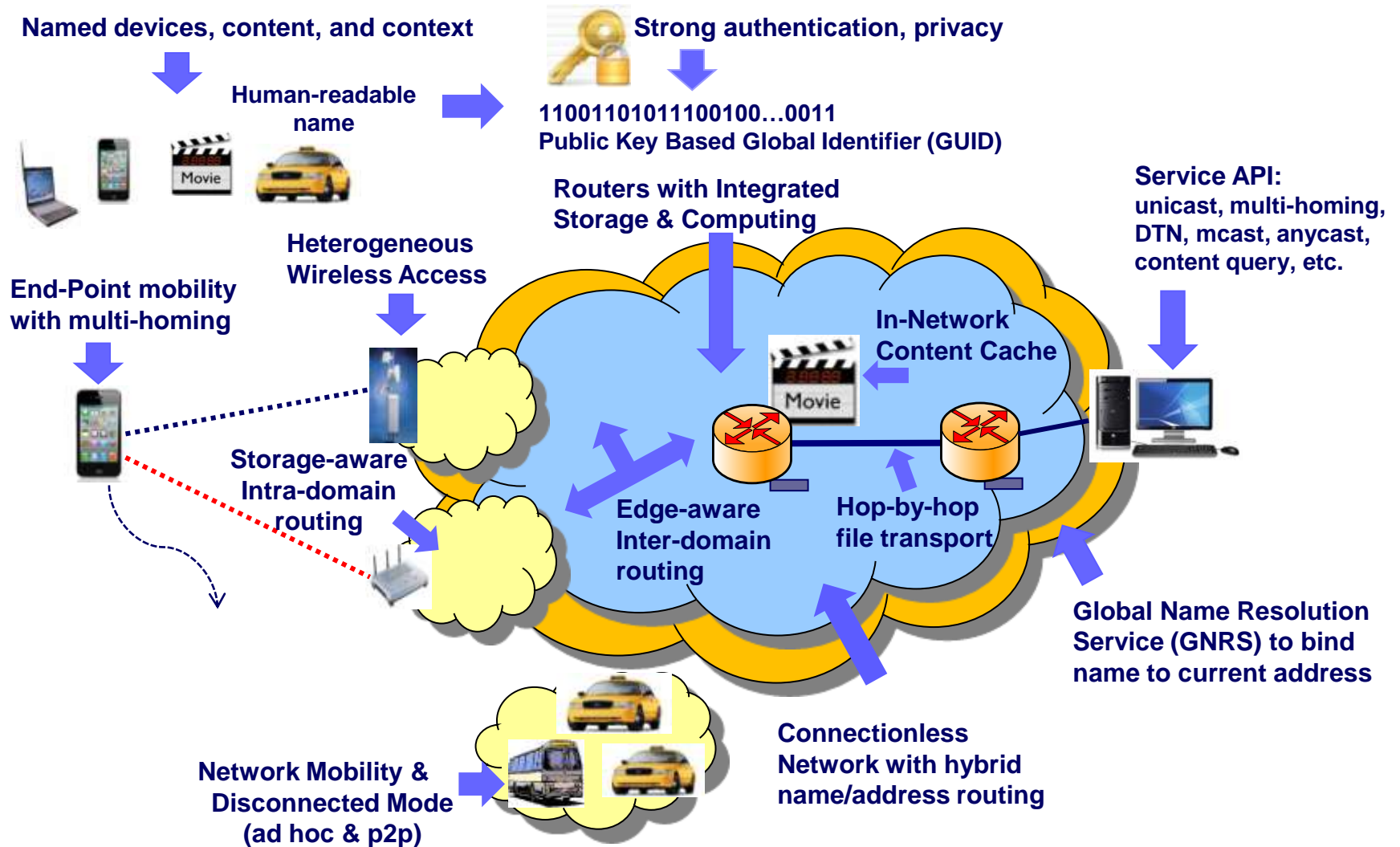
Kiran Nagaraja

WINLAB 

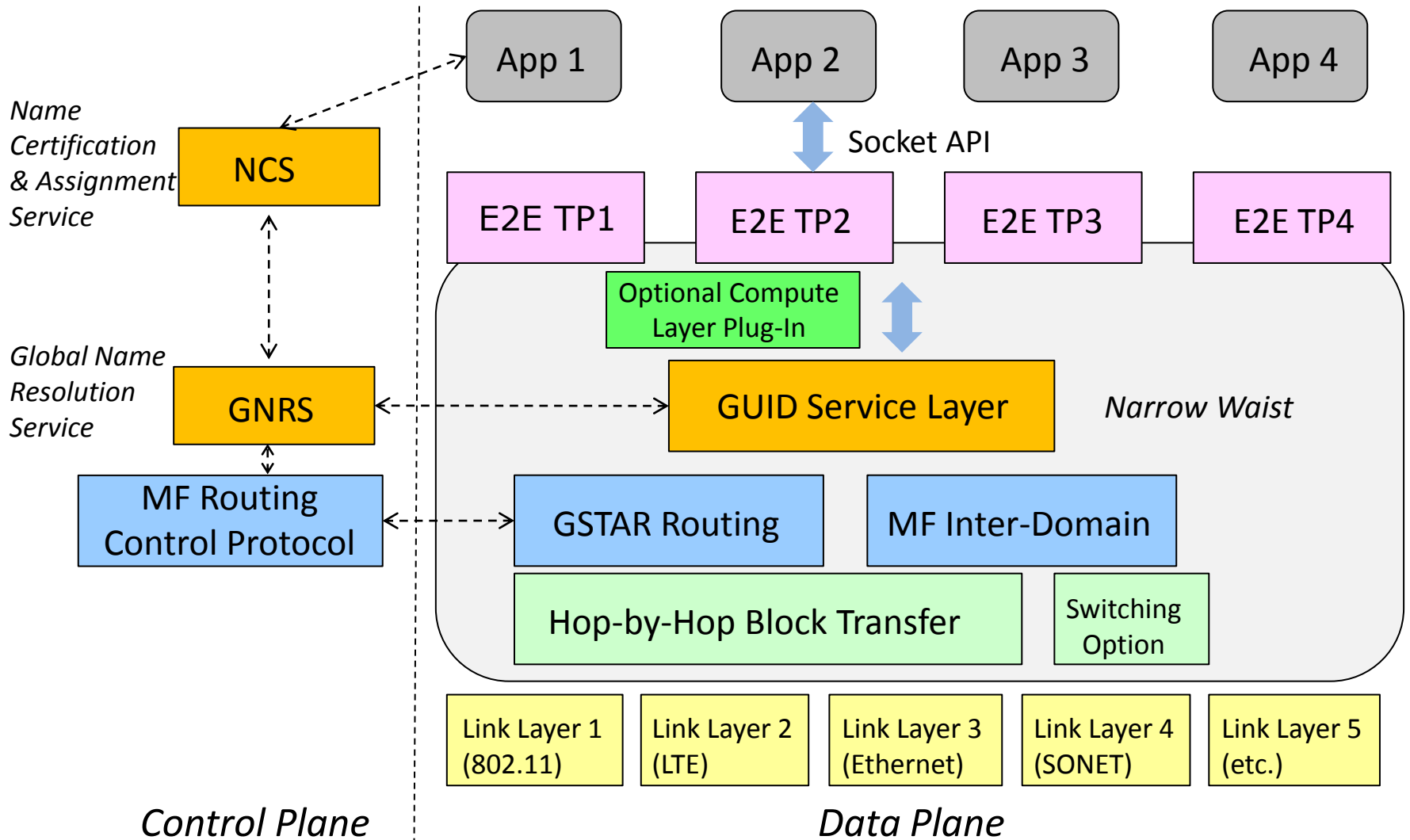
Common MobilityFirst Scenario



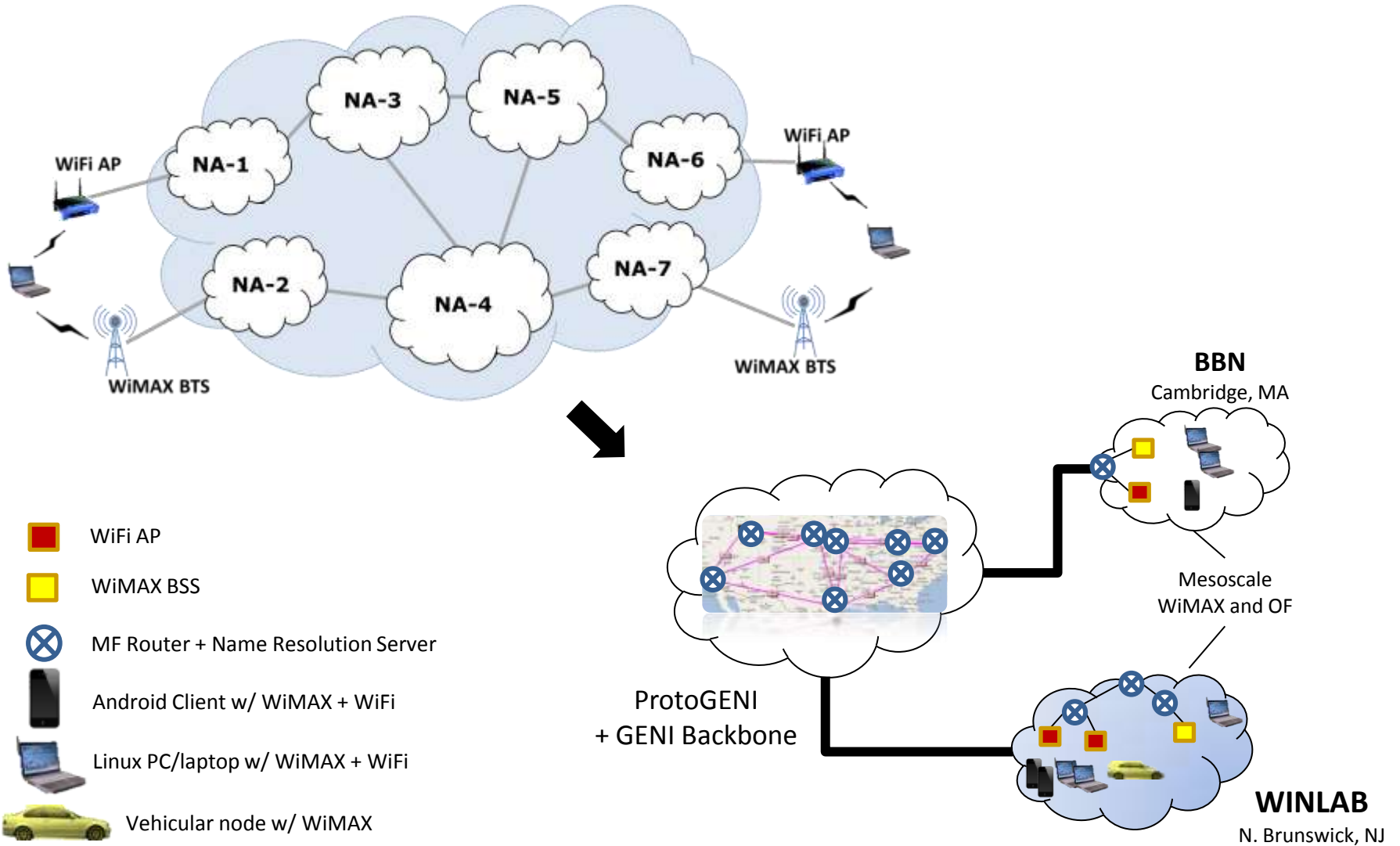
MobilityFirst Architecture Summary



MobilityFirst Protocol Stack



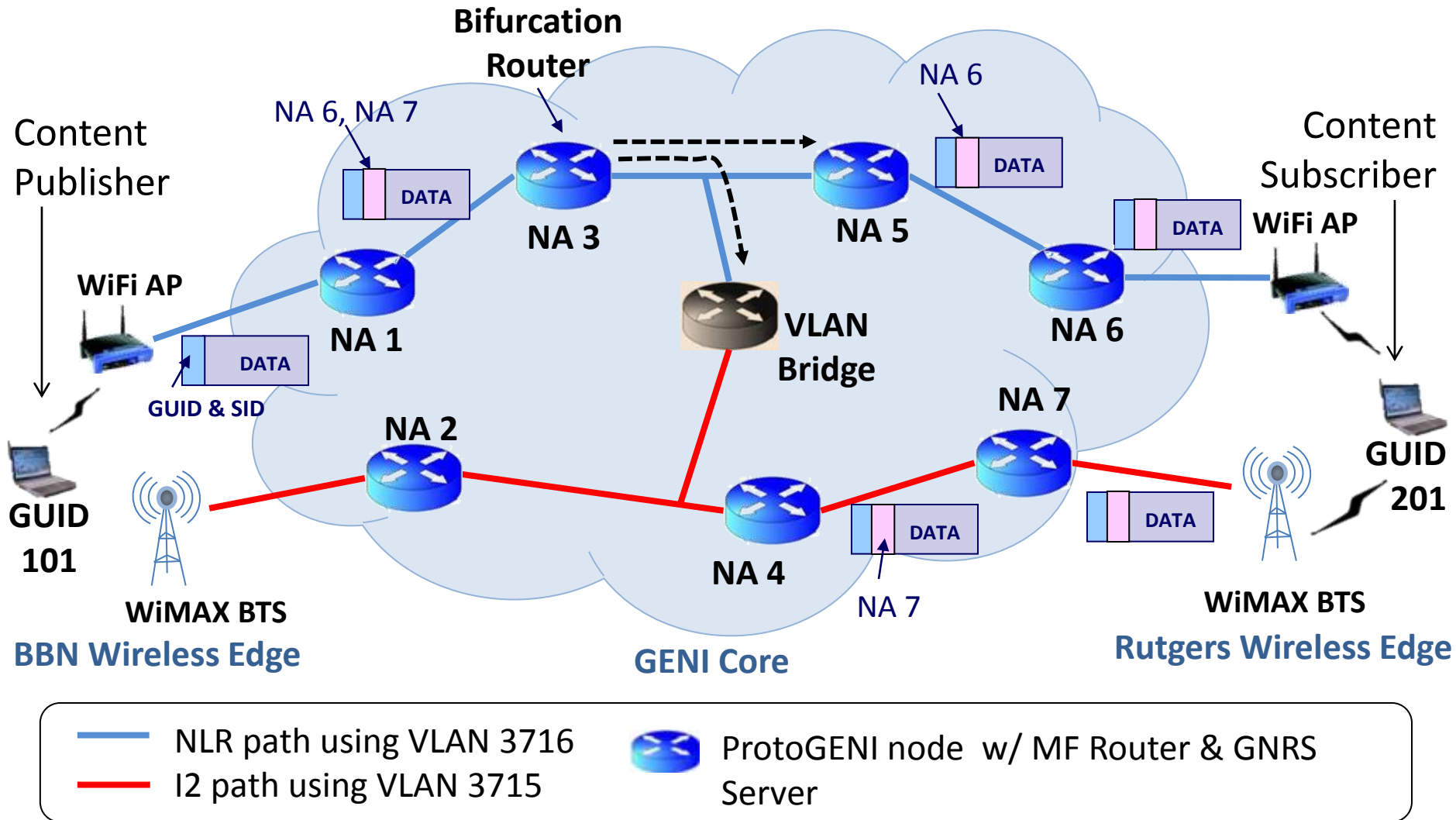
Edge – Core – Edge Topology Experiments



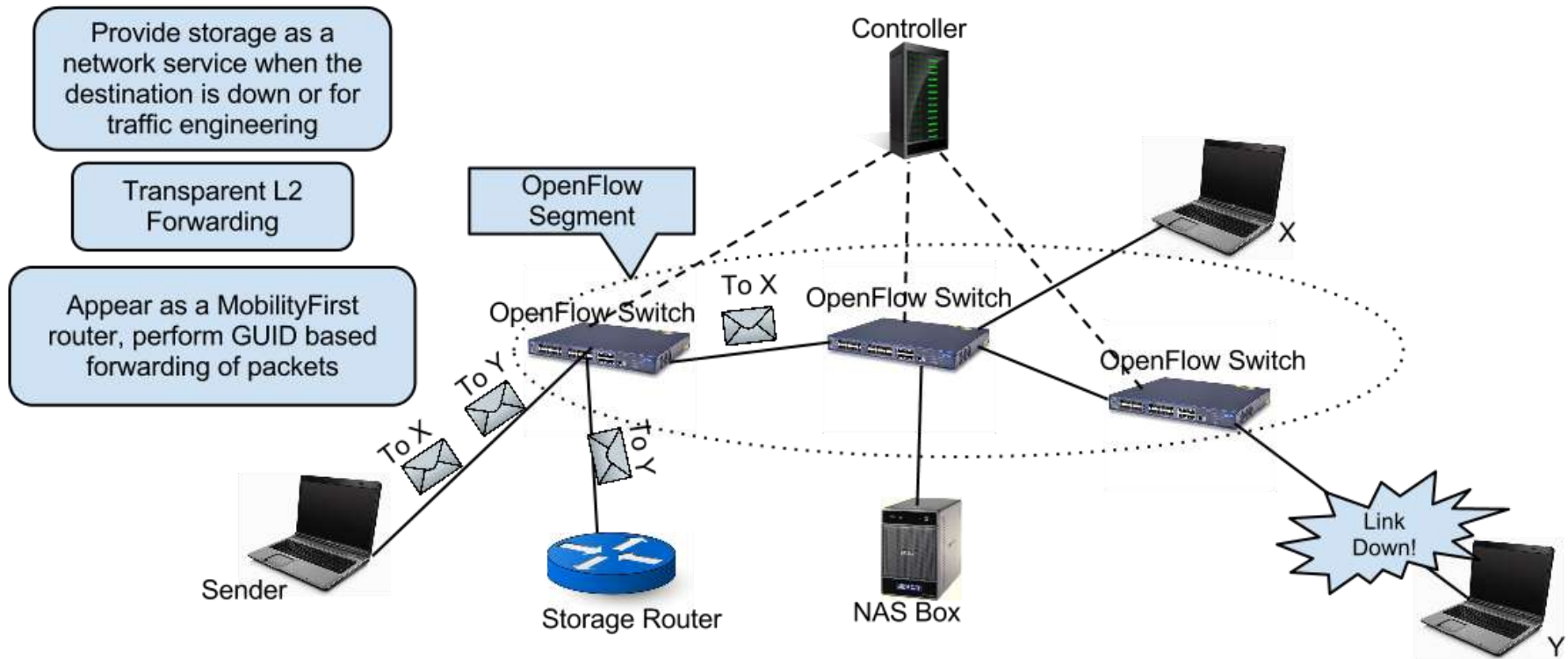
Stitched Topology



Content Delivery to Multi-homed Mobile Devices



MobilityFirst Protocols in OpenFlow SDNs



Things that would help

- Wireless edge integration with the GENI core
 - Already underway...
- VLAN translations/bridging
- Support for header rewrites on Openflow switches

Questions?

More information on MobilityFirst:
Search 'MobilityFirst'