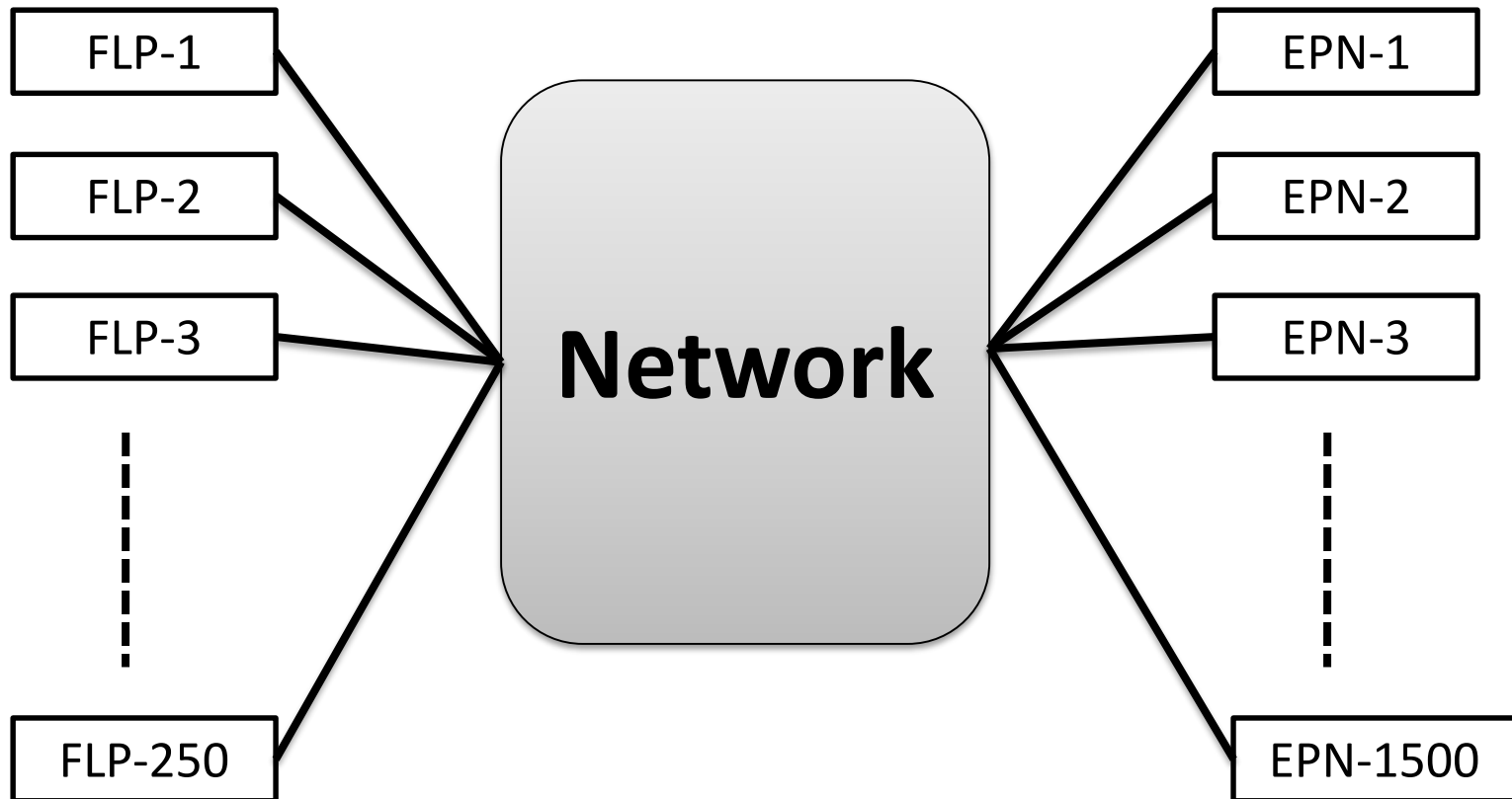


Simulation Plan Updates

COMSATS Institute of Information
Technology

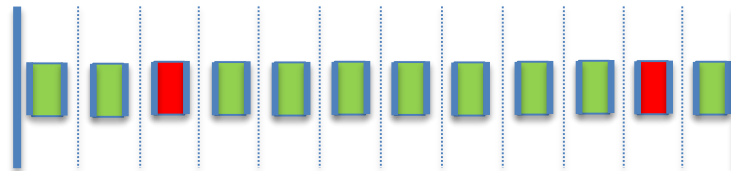
What we will be simulating?



@ FLP

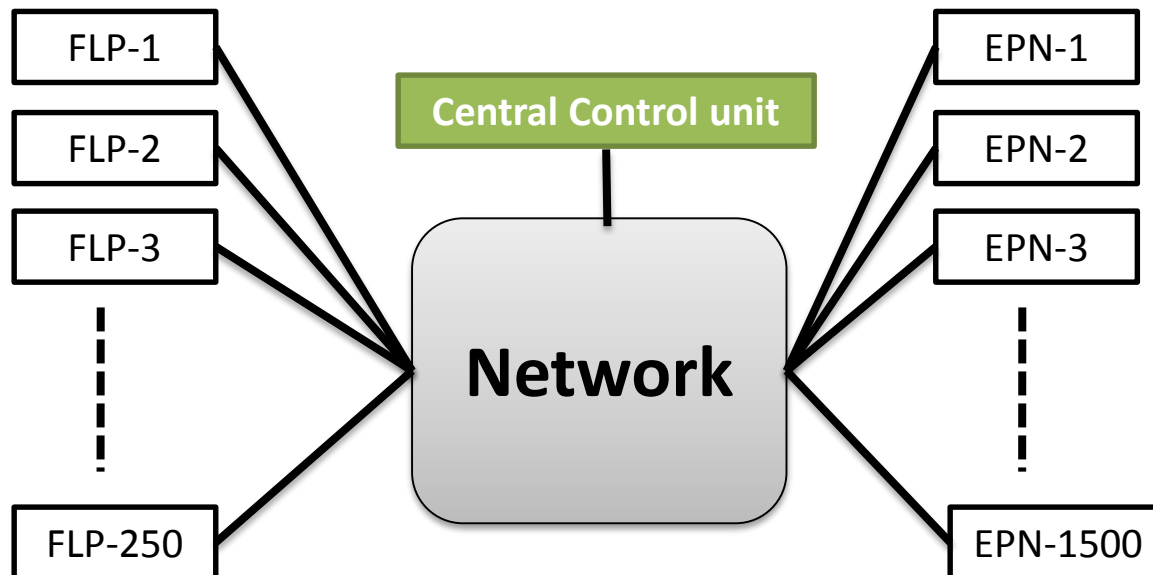
- FLP generates STF of configurable
 - Size (with dummy data)
 - Number of missing HBF

STF @ FLP



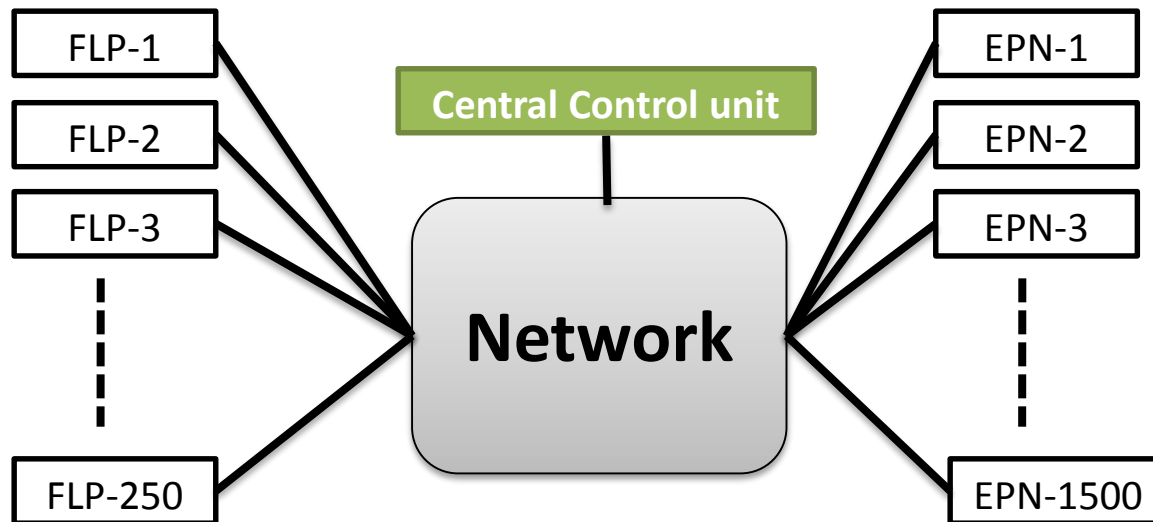
FLP to EPN

- What should be mechanism to synchronize FLP and EPN nodes?
- What should be the destination EPN for a particular STF?
- How STFs with missing HBFs will be handled in FLP to EPN network?



Central Control Unit (CCU)

- CCU will be responsible of scheduling the flow of traffic from FLP to EPN
 - Offline scheduling
 - Based on known traffic load on different FLPs and EPNs
 - Network related information, such as network topology and capacity of the switches

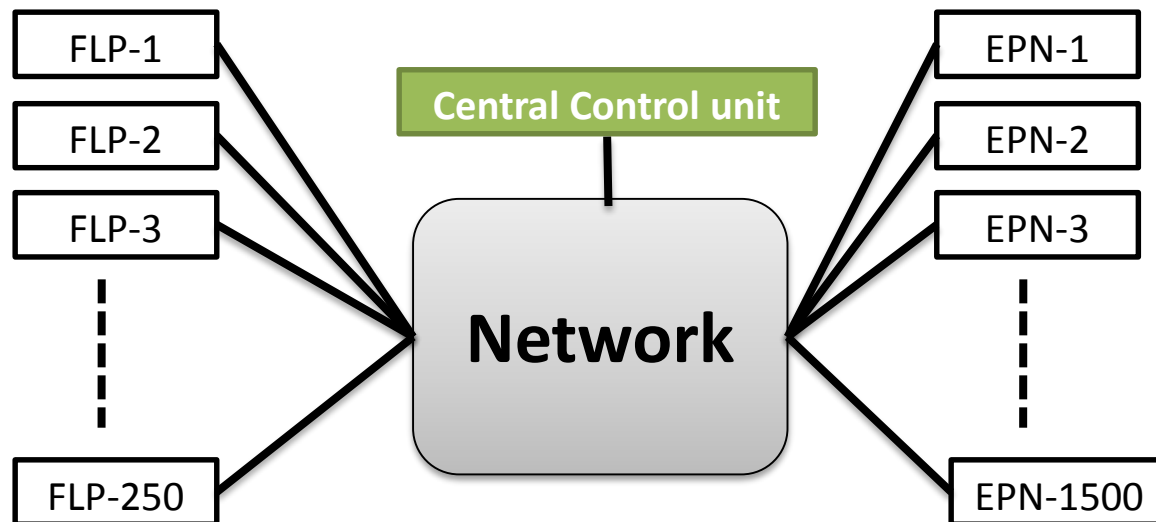


Central Control Unit (CCU)

- Online re-scheduling

- Based on statuses received from the FLP and EPN nodes

- Data arrival rate at the FLP
- Availability of EPN
- Time frame building time at EPN
- Any other relevant information



What we want to achieve with CCU?

- Synchronize FLP and EPN communication
- Balance traffic load on network switches
- Addresses TCP incast problem
- Reduce the burden of decision making in FLP and EPN nodes

- Questions suggestions