ENSC 427:COMMUNICATION NETWORKS FINAL PROJECT DEMO SLIDES SPRING 2010

Analysis on the Performance of
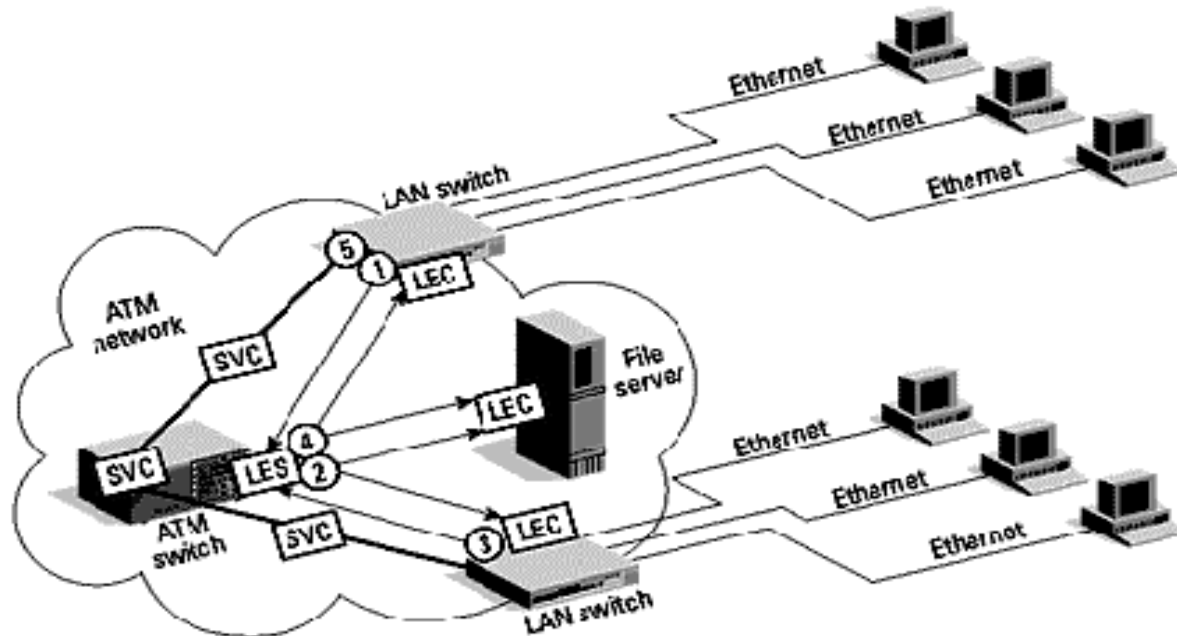
ATM Network Based on

CBR and UBR

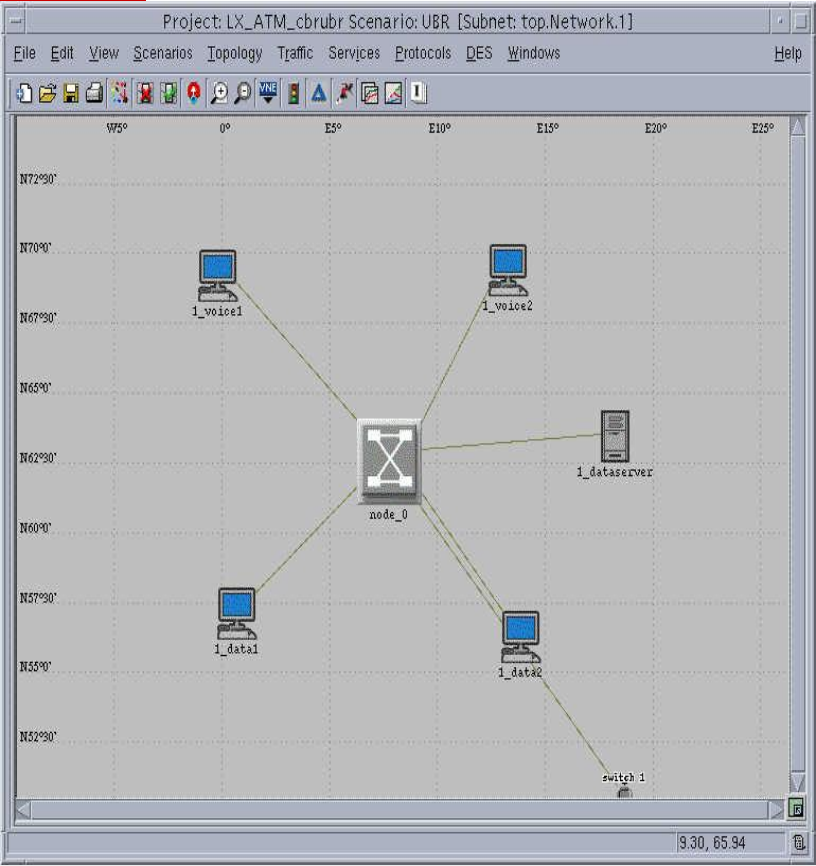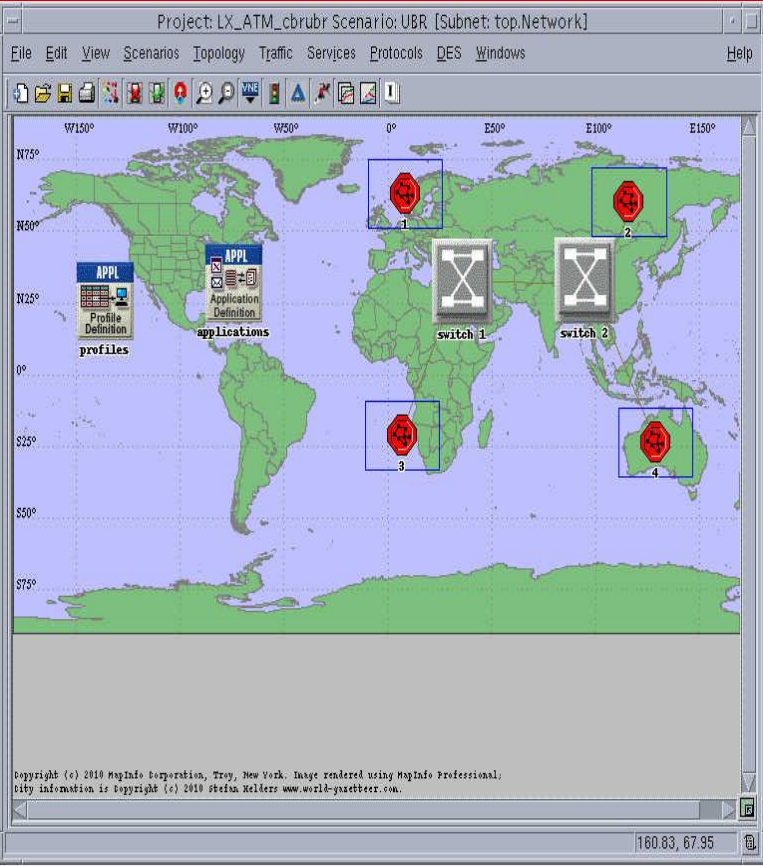Group 12
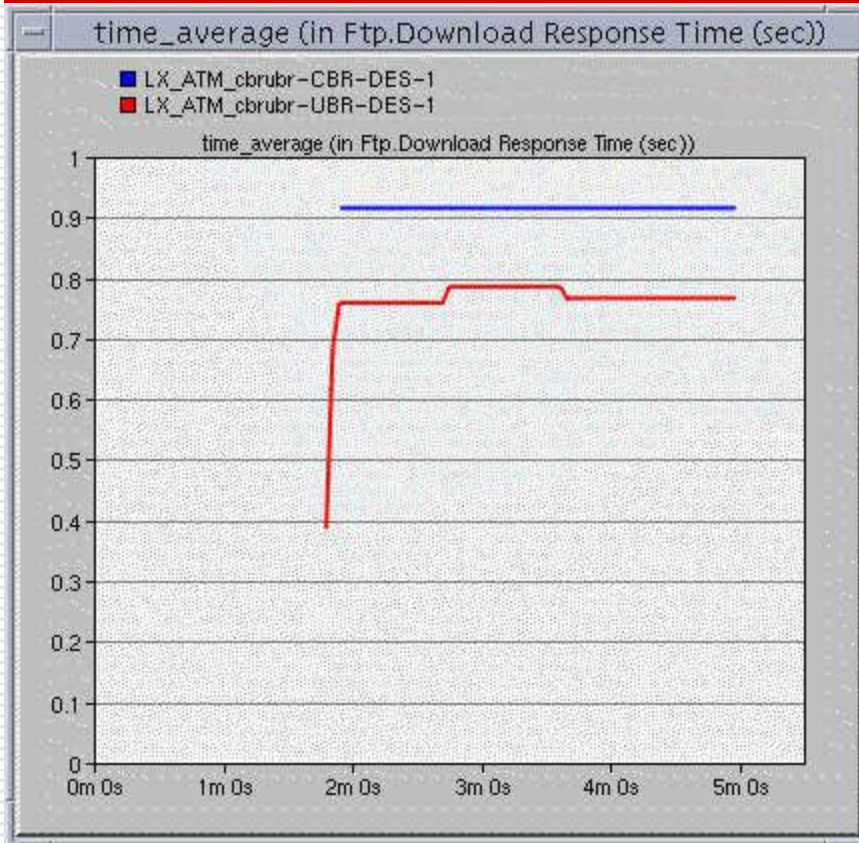
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Layout of ATM

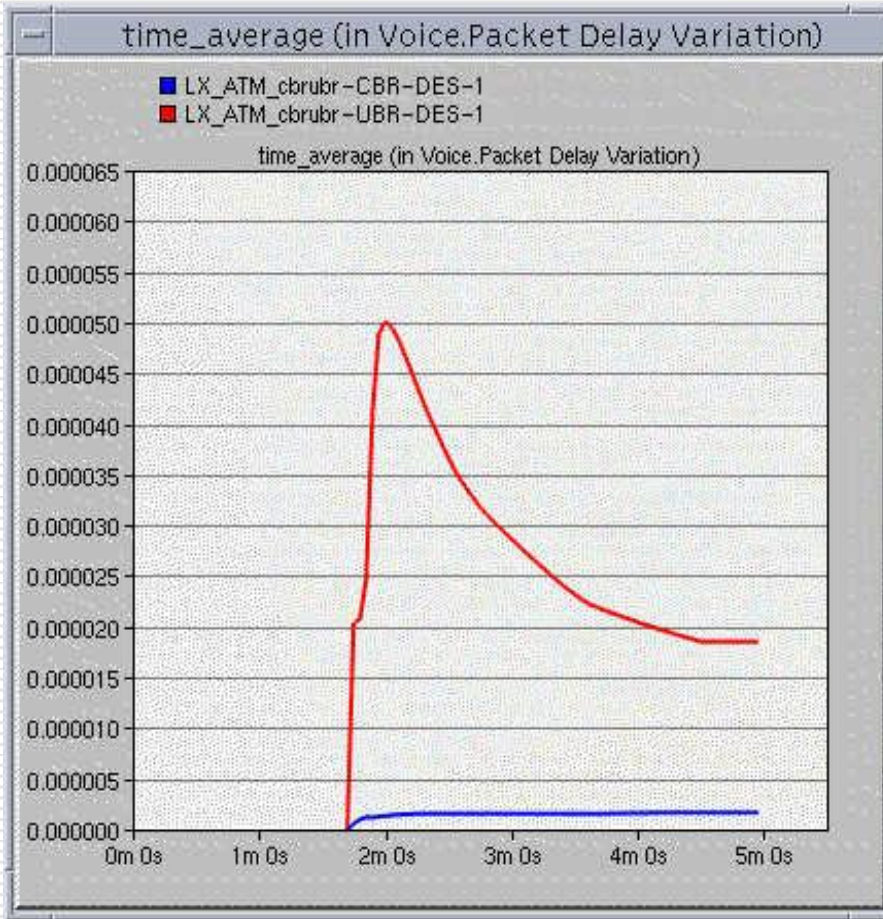Retrieved from http://www.panjin.net/dianxin/atm.htm

Network Topologies

Results of FTP Application– Download Response Time
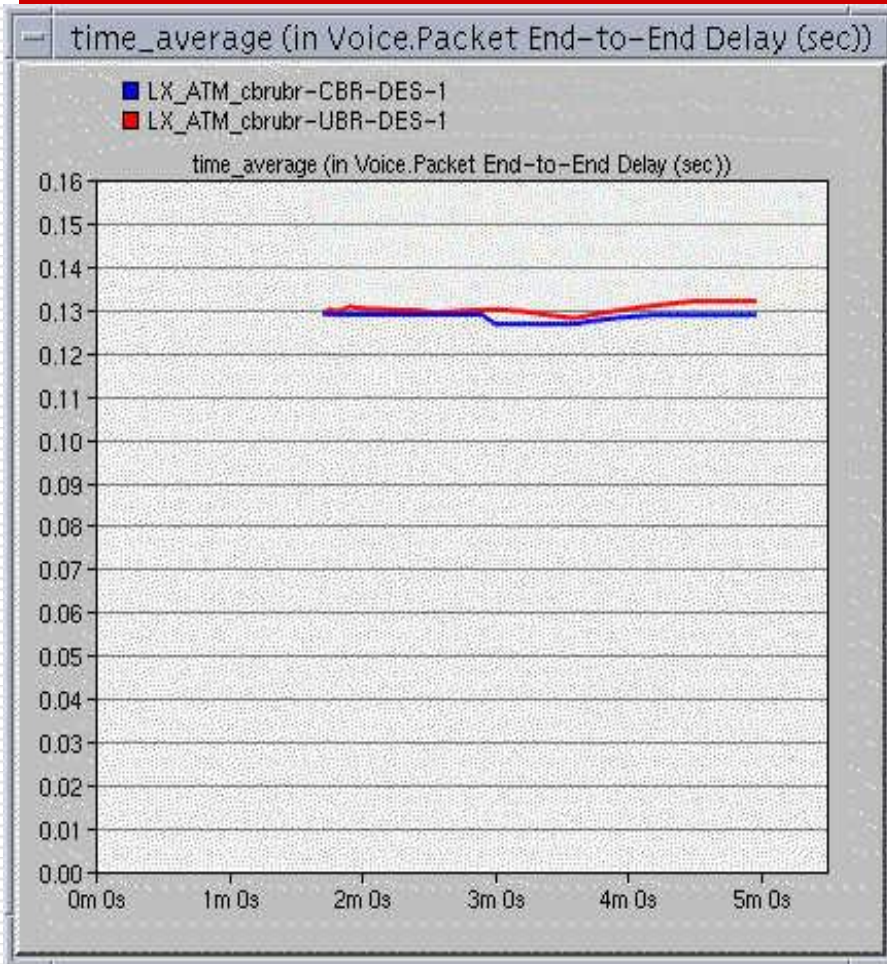

The download response UBR<CBR

Results of Voice Application– Packet Delay Variation

- Packet Delay of UBR fluctuates dramatically.

- Packet Delay of CBR is stable and close to zero.

Results of Voice Application–End-to-End Delay

time_average (in Voice.Packet End–to–End Delay (sec))
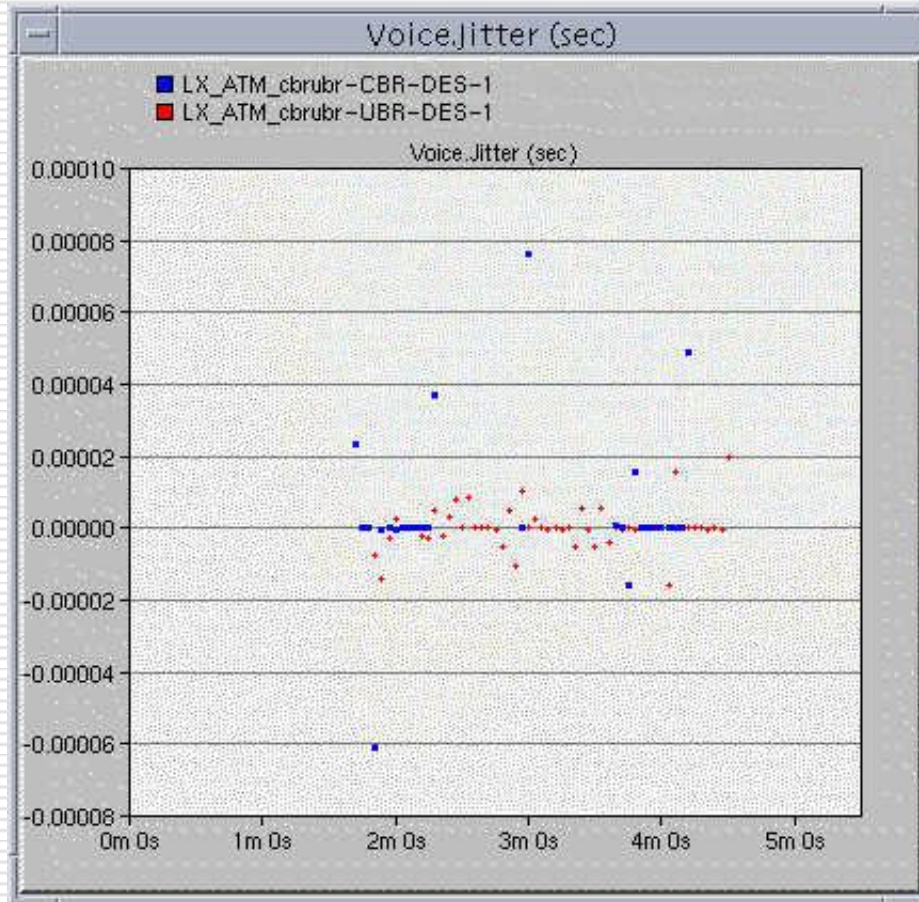
The End-to-End delay of UBR is slightly lower than CBR

We only have four subnets, there are millions of clients in real life

UBR is much better than CBR

Results of Voice Application– Jitter

- Lots of Jitter in UBR compared with CBR

- All Jitter are less than 0.00008 seconds

- It won't be noticeable to users