

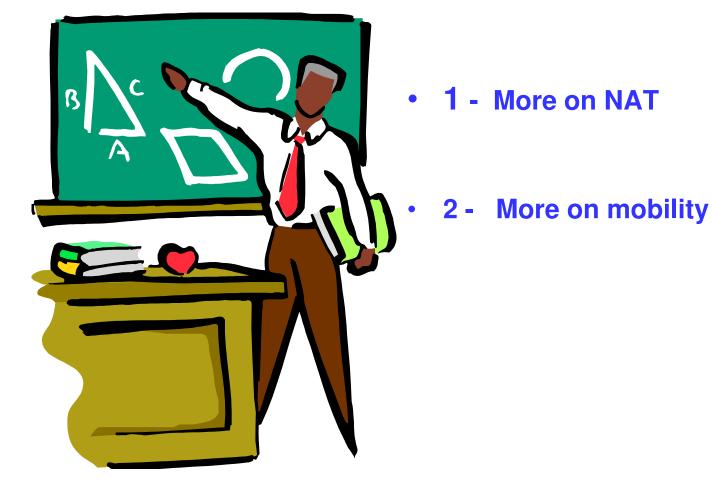
Adendum to Chapter 3 (Network layer)

Note:

Addendums are integral parts of lectures and their content is included in the scope of exams.



Addendum to chapter 3 (Network layer)





More on NAT

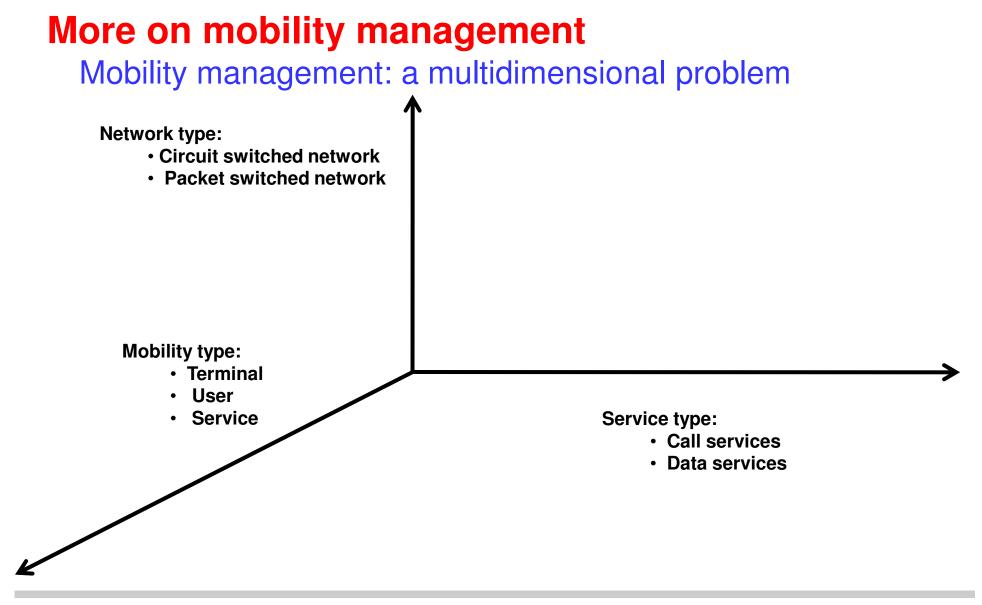
L. Zhang, A Retrospective View of Network Address Translation, IEEE Network, September / October 2008, Vol. 22, No5



More on mobility management

- The three types of mobility
 - Terminal mobility (handoff / handover)
 - Keep on-going calls or data sessions while moving across cells
 - Cells are controlled by base stations / access points
 - Movement maybe within a domain or across domains
 - User mobility
 - Can use any terminal in home or foreign domain (GSM SIM card)
 - Service mobility
 - Have access to the very same set of services while in a foreign domain





Roch H. Glitho



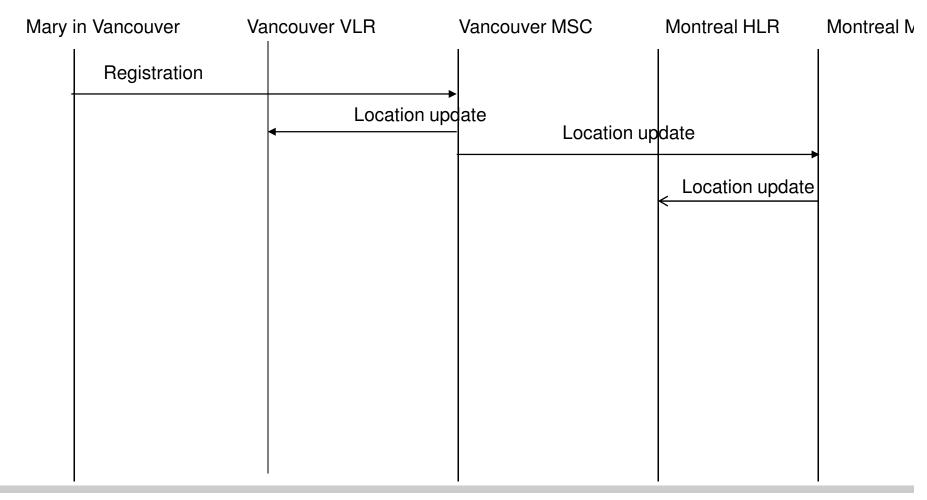
More on mobility management

Some approaches to solve the problem:

- Telcos cellular network approach (Terminal mobility, user mobility in GSM)
- Mobile IP
- More on the telco cellular network approach
 - Cover both call services and data services

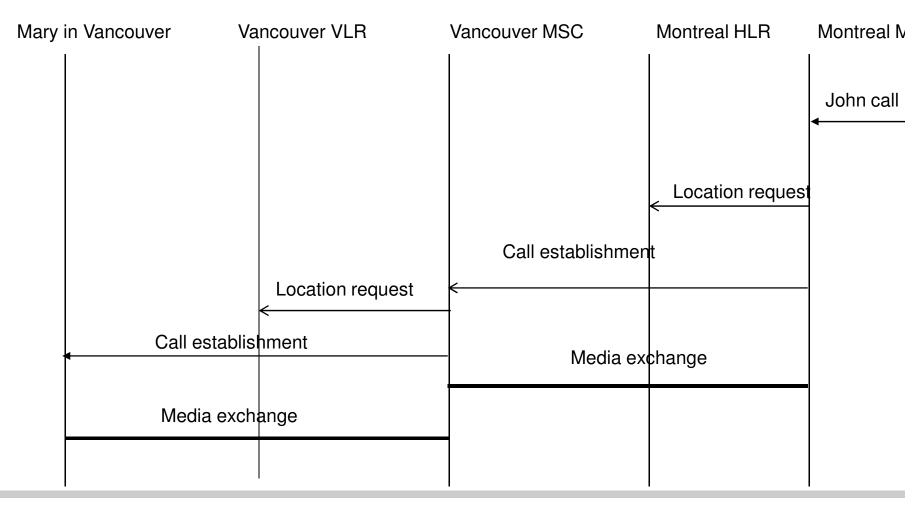


Mary a Montreal subscriber turns her phone on while roaming in Vancouver





John in Montreal calls Mary





Alice in Vancouver calls Mary

