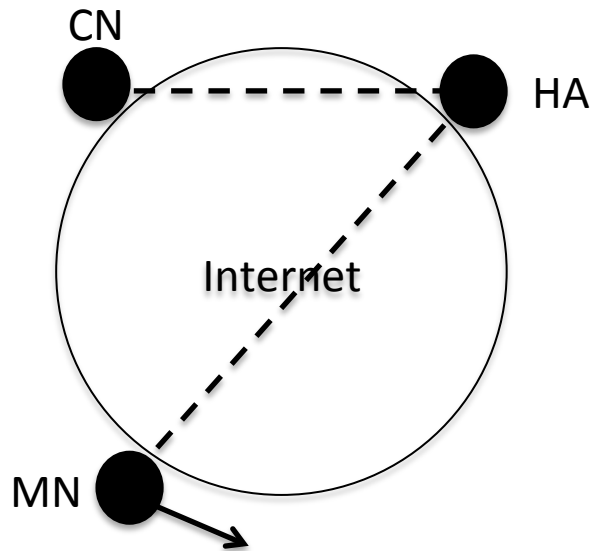


Corresponding Network Homing

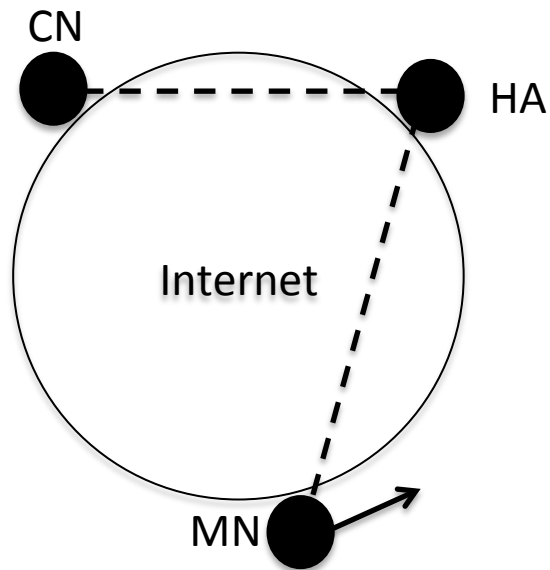
draft-yegin-dmm-cnet-homing-00

A. Yegin, K. Kweon, J. Lee, J. Park
Samsung Electronics

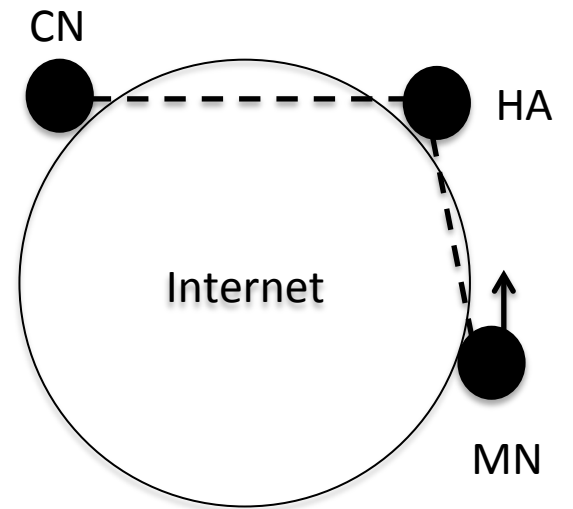
Mobile IP



(I)



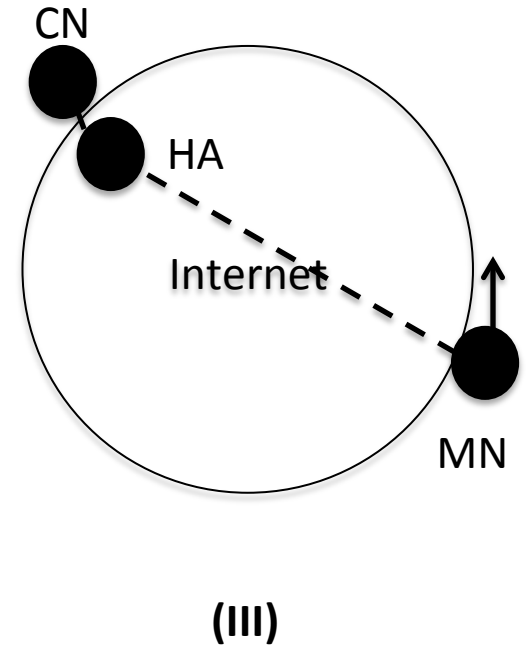
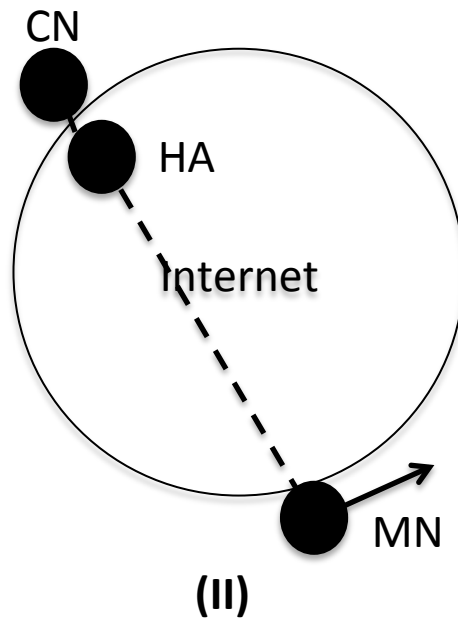
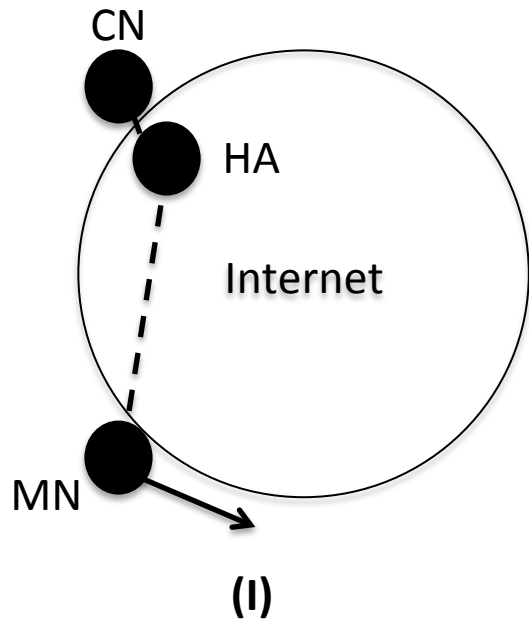
(II)



(III)

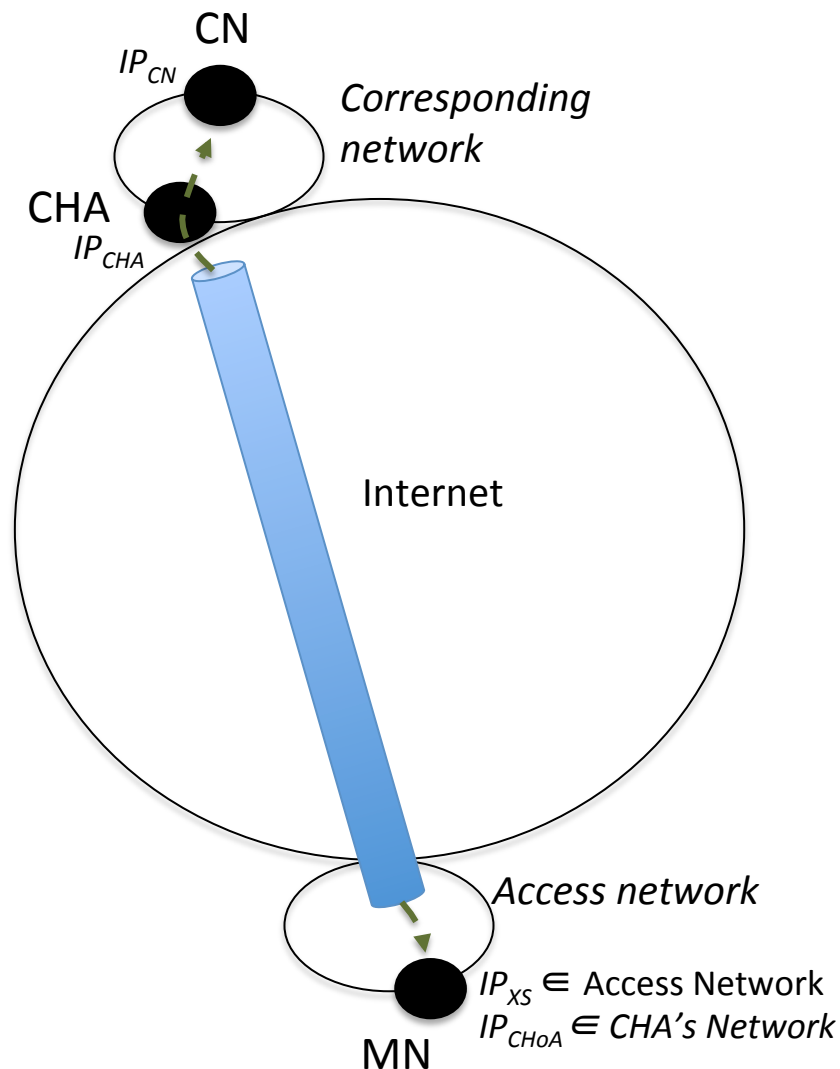
Triangular routing issue....

Corresponding Network Homing



No triangular routing

CNet-Homing

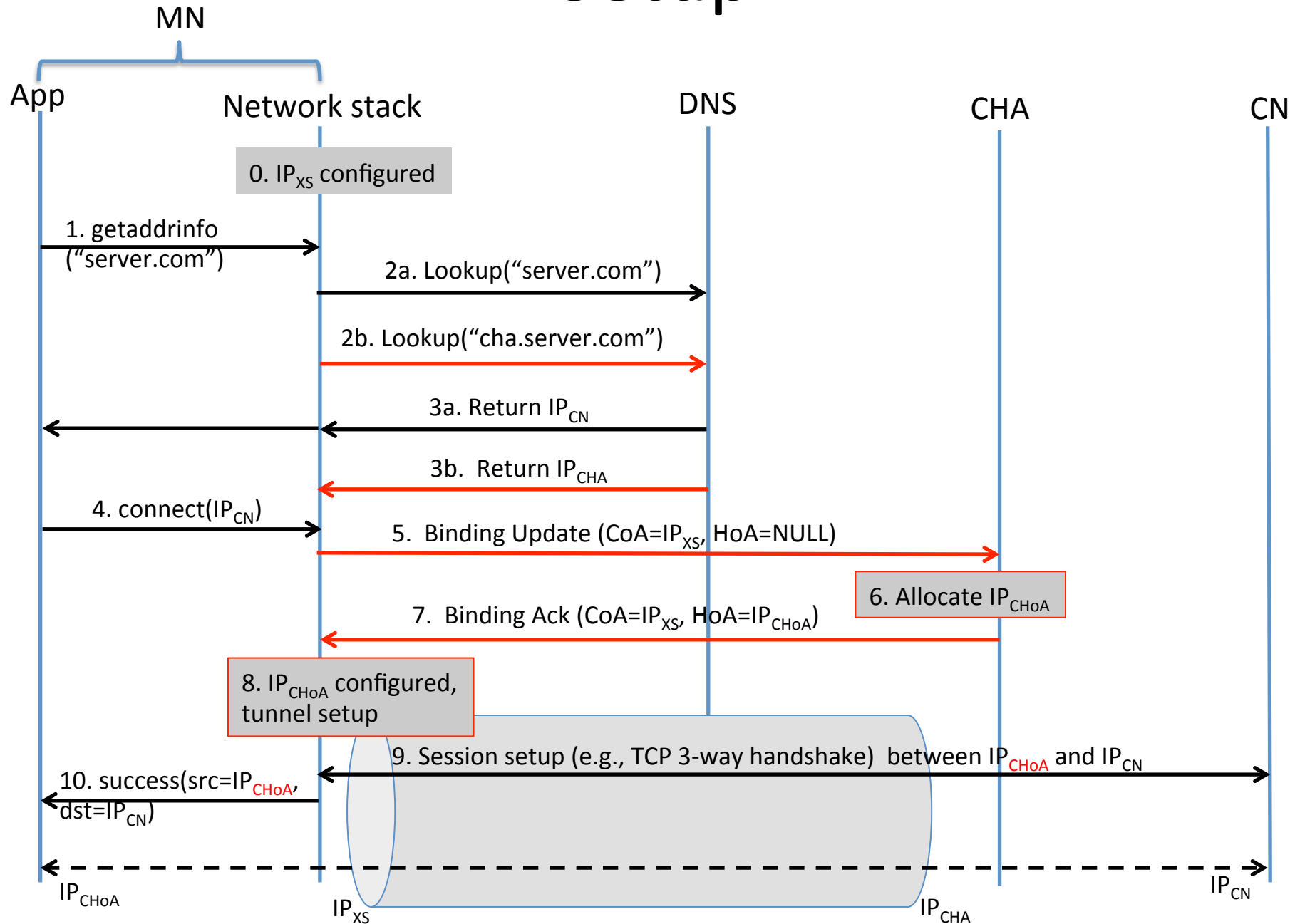


Place a Home Agent in corresponding network (CNet) or its serving ISP
→ Corresponding Home Agent (CHA)

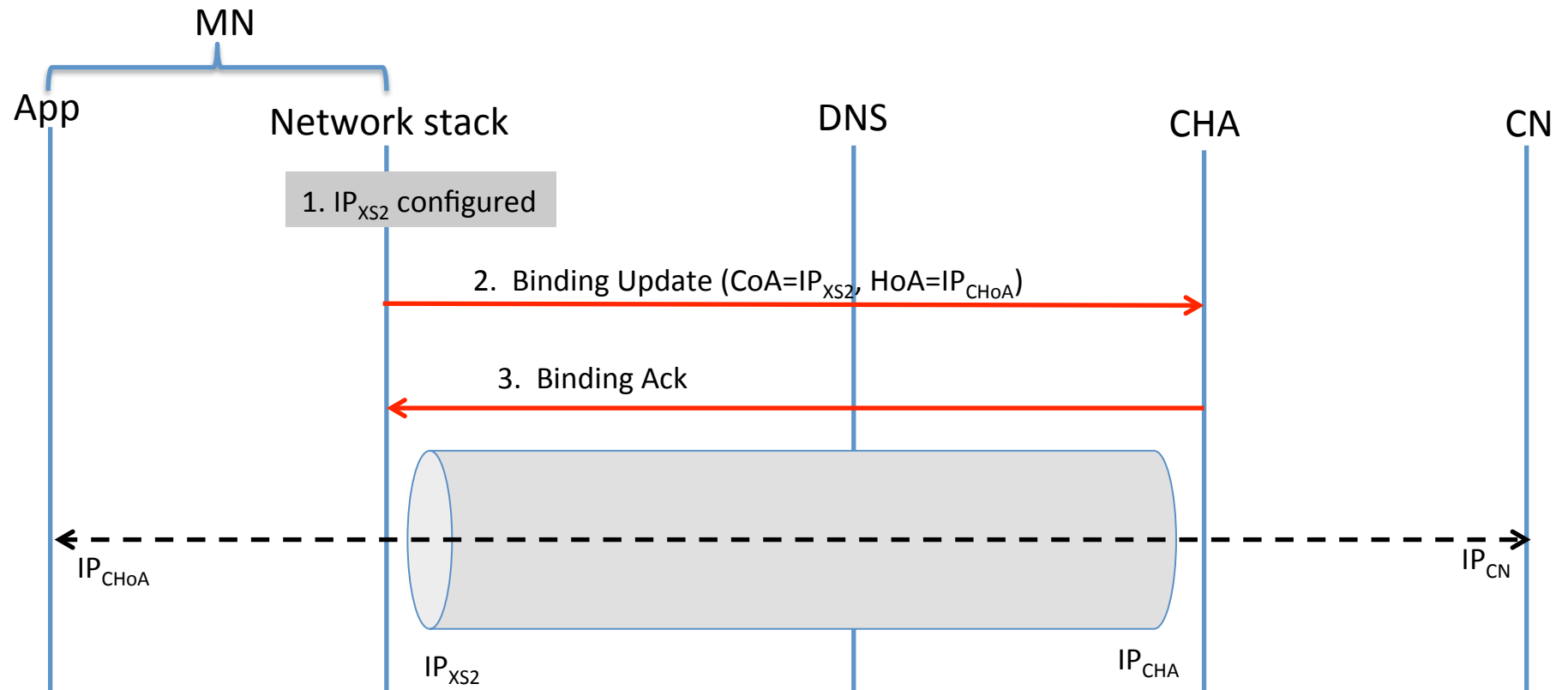
When an app on MN wants to connect to CN:

- Discover associated CHA, if any
- Obtain a session IP address (CHoA)
- Use CHoA as src address on MN for CN communication
- Let CHA treat CHoA as a home address

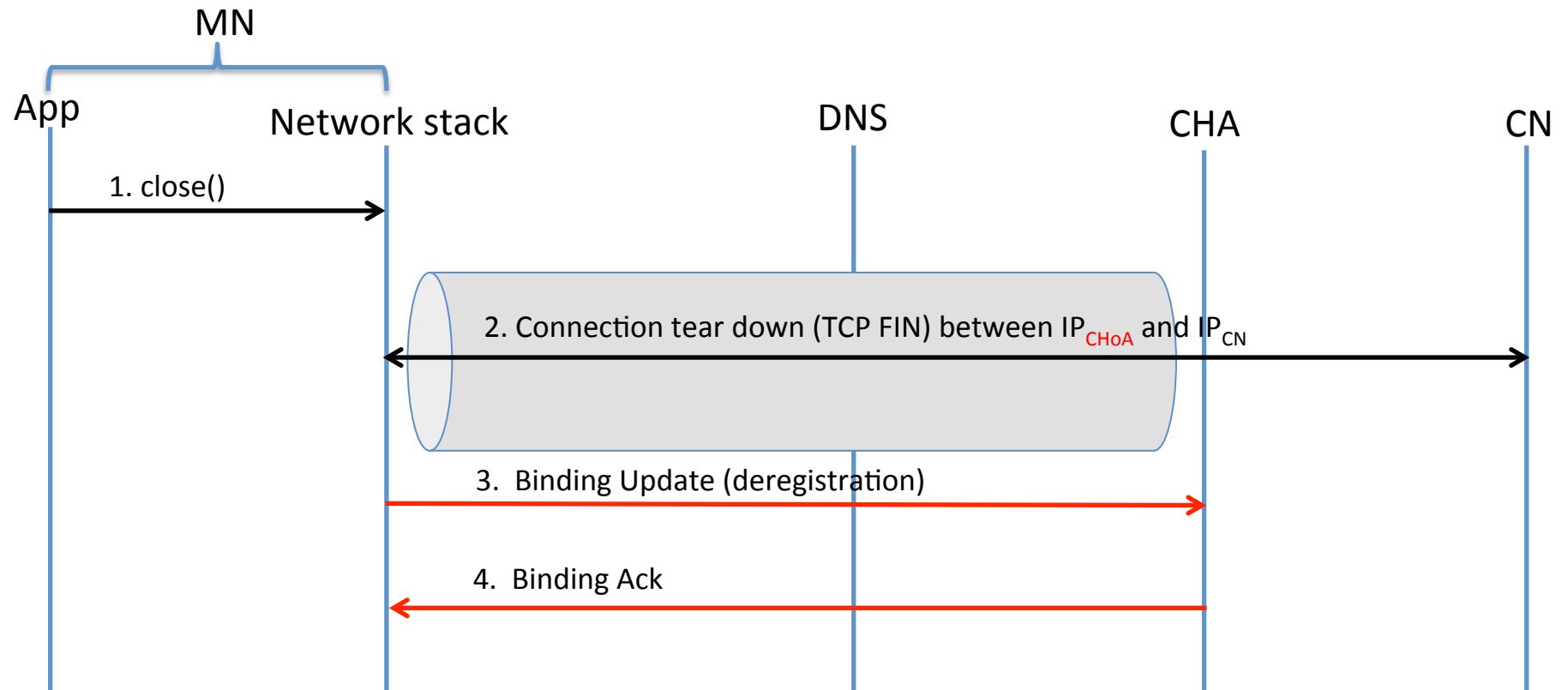
Setup



Handover



Tear Down



Security Considerations

- Allow use of CHA/CHoA only for associated CN communication
 - This is not a VPN service!
- Protecting CHoA pool
 - Use a large pool (subnet 10 or $::/64$), or
 - Use authenticated BU

Questions and comments?