

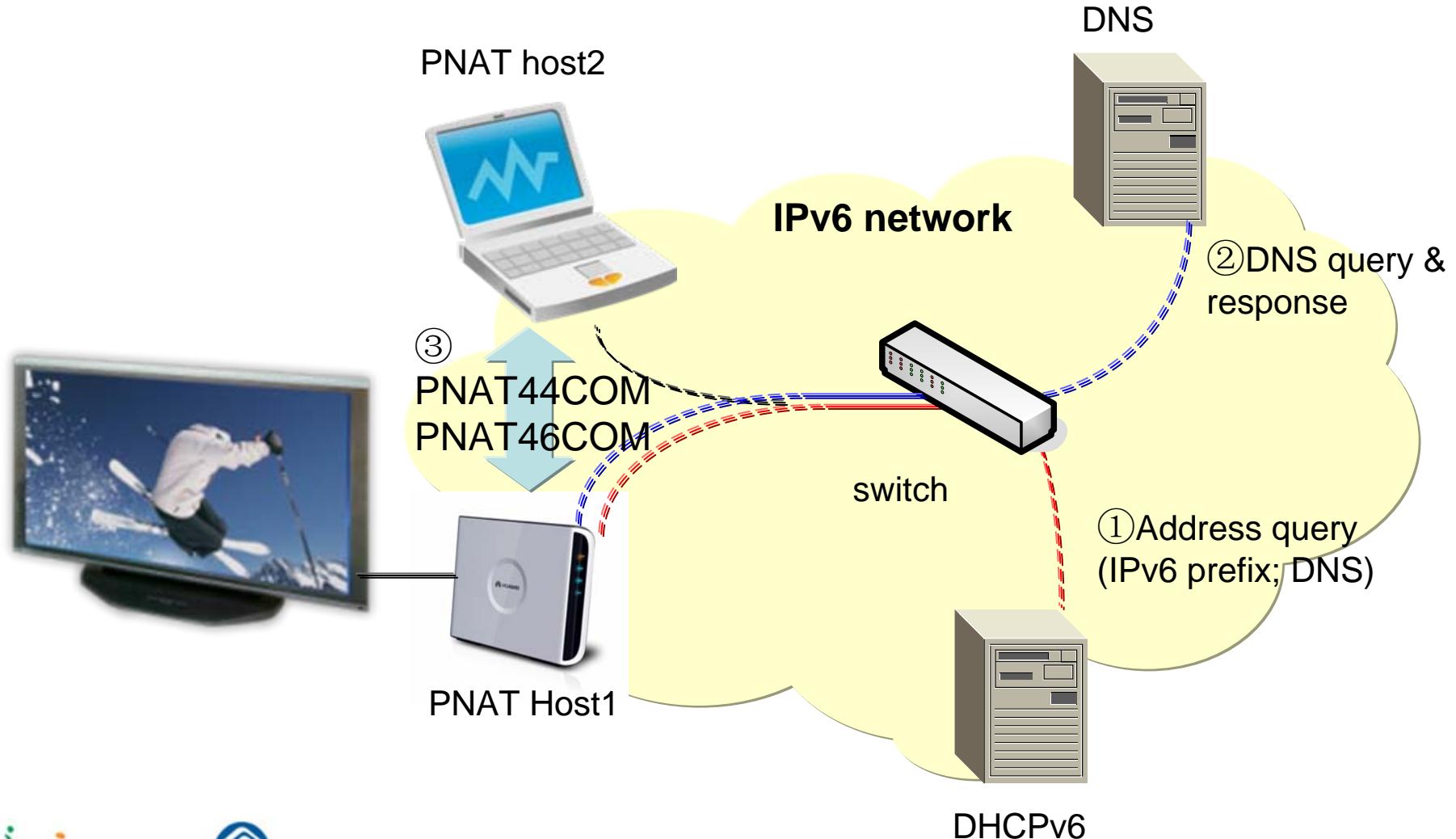


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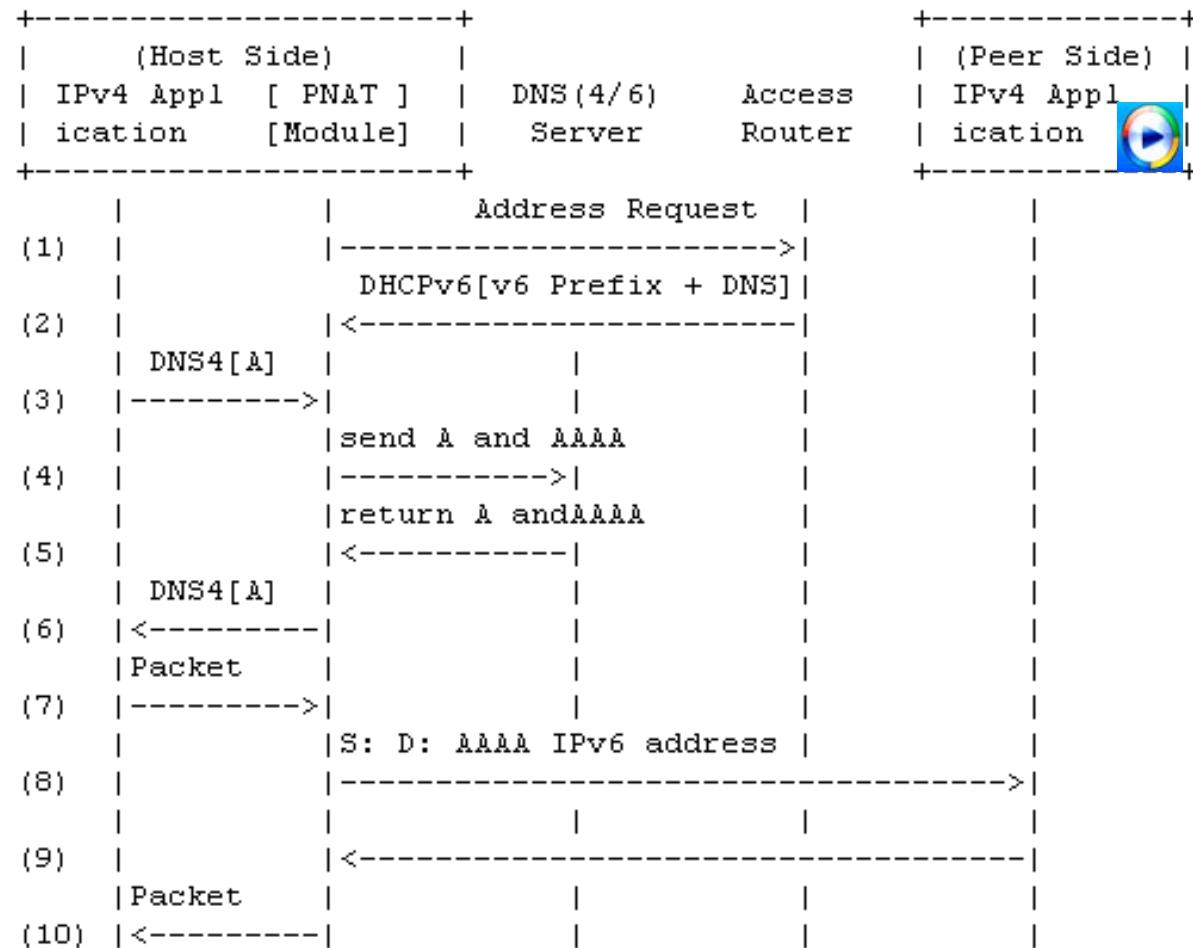
# PNAT Demonstration

## China Mobile

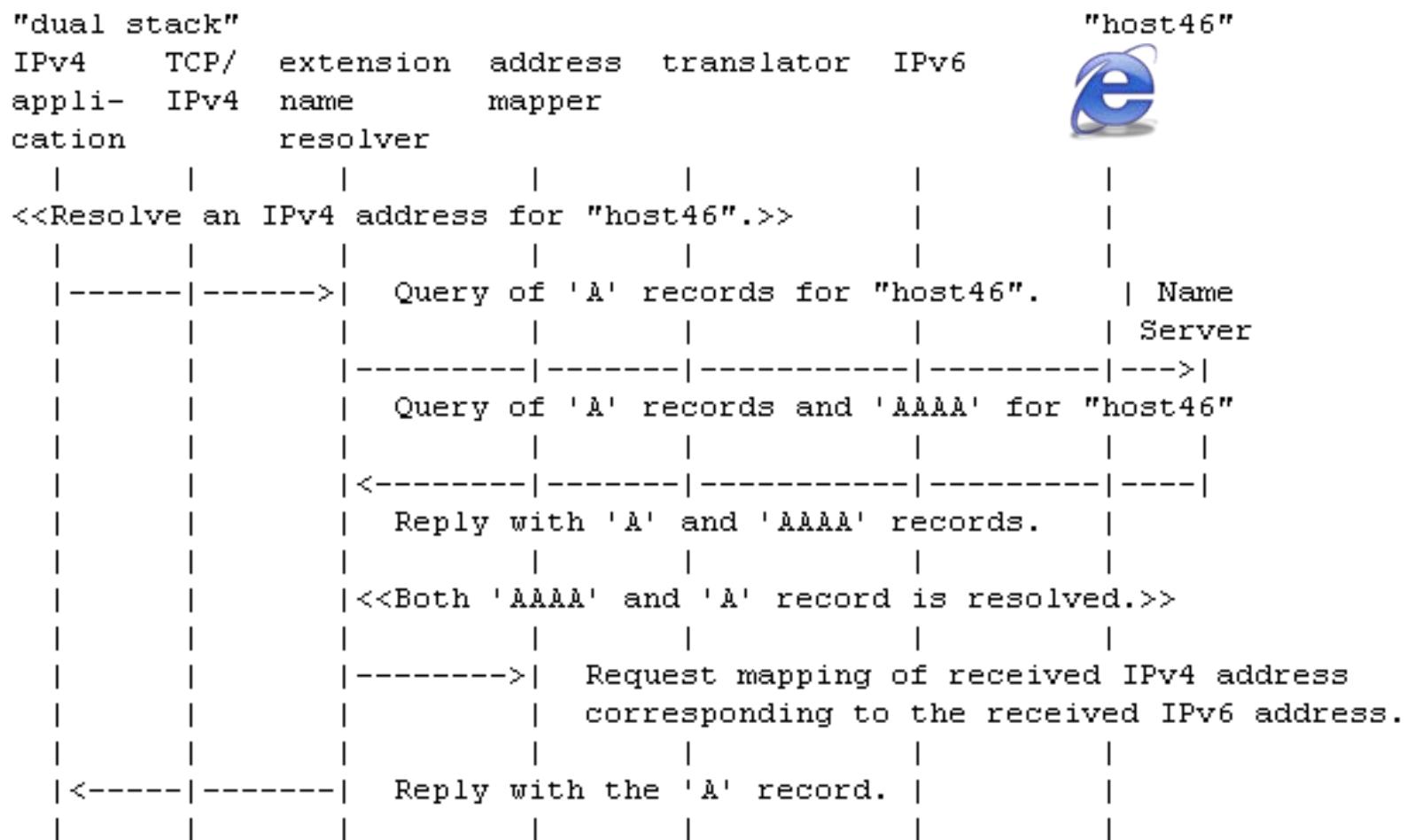
# Demonstration Topology



# PNAT44COM Process



# PNAT46COM Process



# PNAT46COM(Cont..)

"dual stack"  
IPv4 TCP/ extension address translator IPv6  
appli- IPv4 name mapper  
cation resolver

"host46"  


```
<<Send an IPv4 packet to "host46".>>|  
|=====|=====|=====|=====| An IPv4 packet.  
| | | | |<-----| Request IPv6 addresses  
| | | | | | | corresponding to the IPv4  
| | | | | | | addresses.  
| | | | |----->| Reply with the IPv6  
| | | | | | | addresses.  
| | | | | | | |<<Translate IPv4 into IPv6.>>  
| | | | | | | |  
| | | | | | | An IPv6 packet. |=====|=====|  
| | | | | | | |<<Reply an IPv6 packet to  
| | | | | | | | "dual stack".>>  
| | | | | | | |  
| | | | | | | An IPv6 packet. |<=====|=====|  
| | | | | | | |<<Translate IPv6 into IPv4.>>  
| | | | | | | |  
| | | | | | | <=====|=====| An IPv4 packet.
```



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CHINA MOBILE

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Thank You