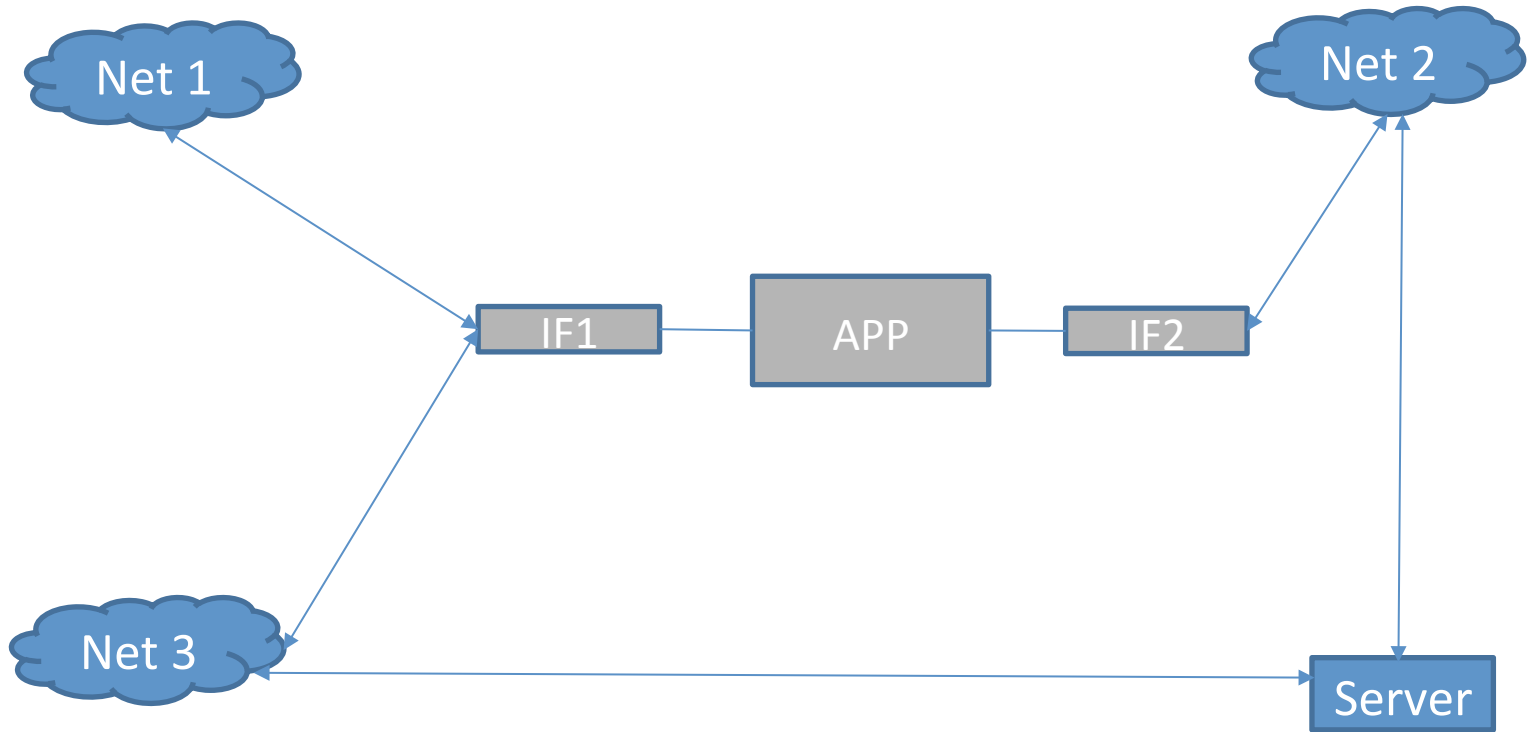


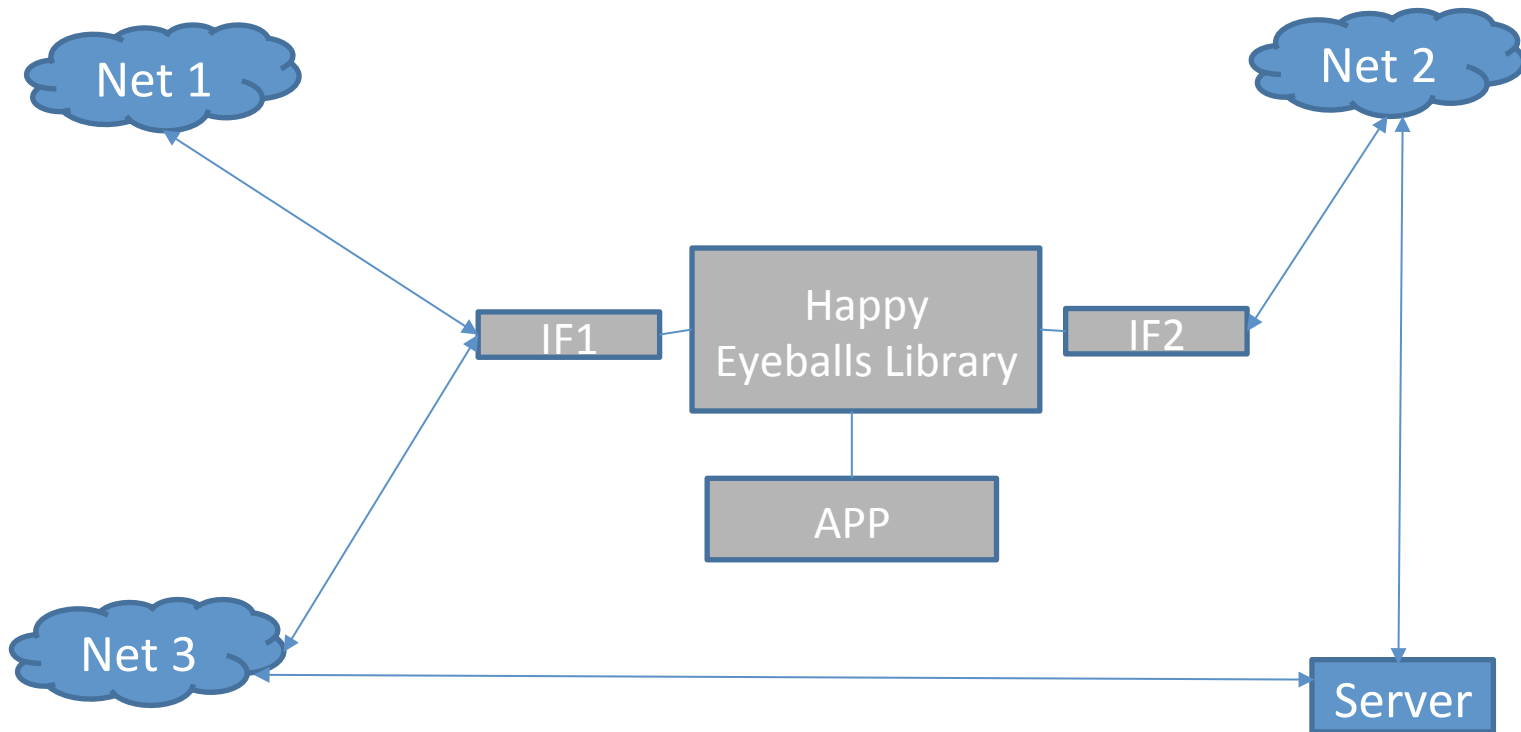
MIF API Discussion

Dapeng Liu/Ted Lemon

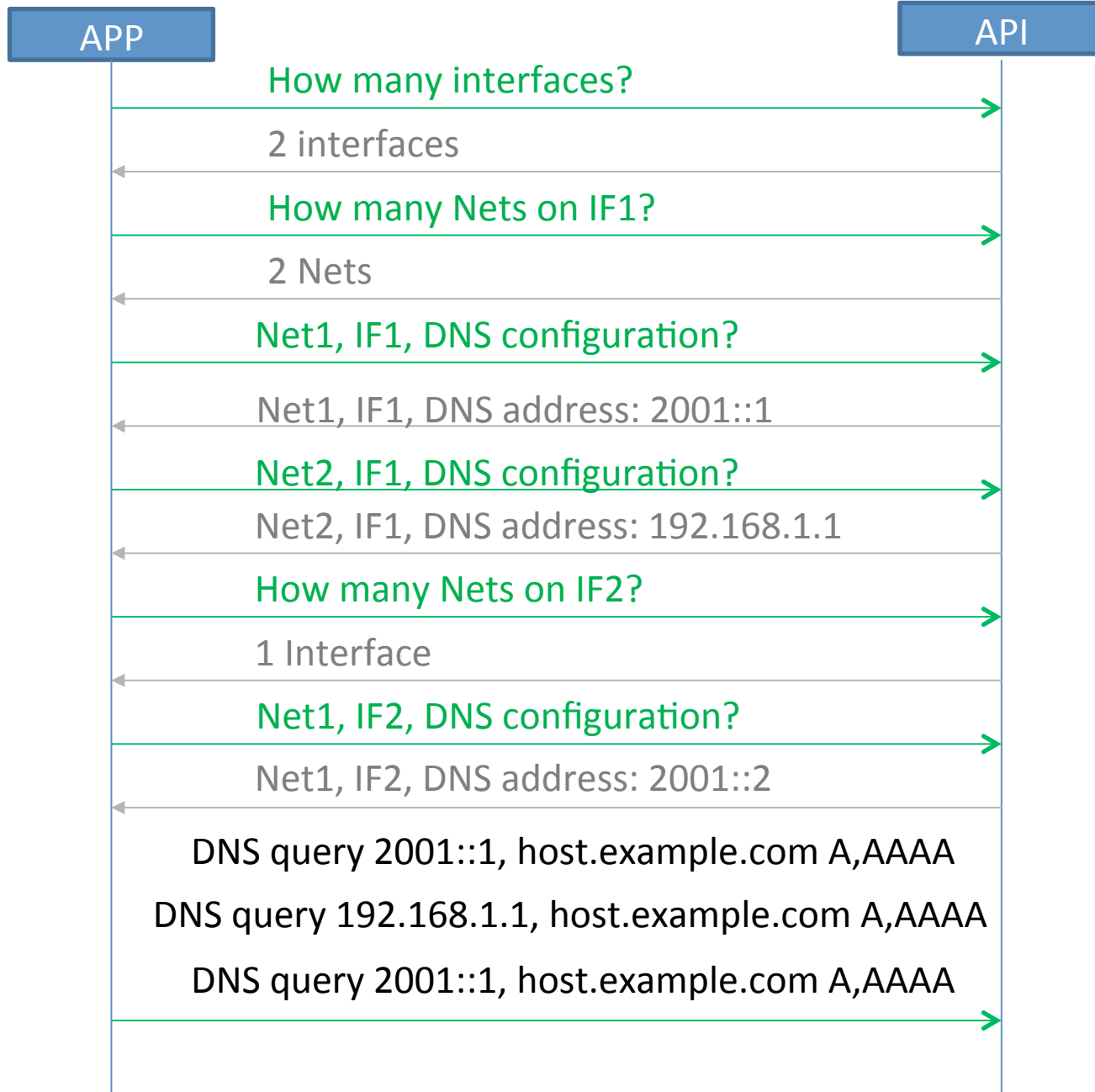
MIF Scenario



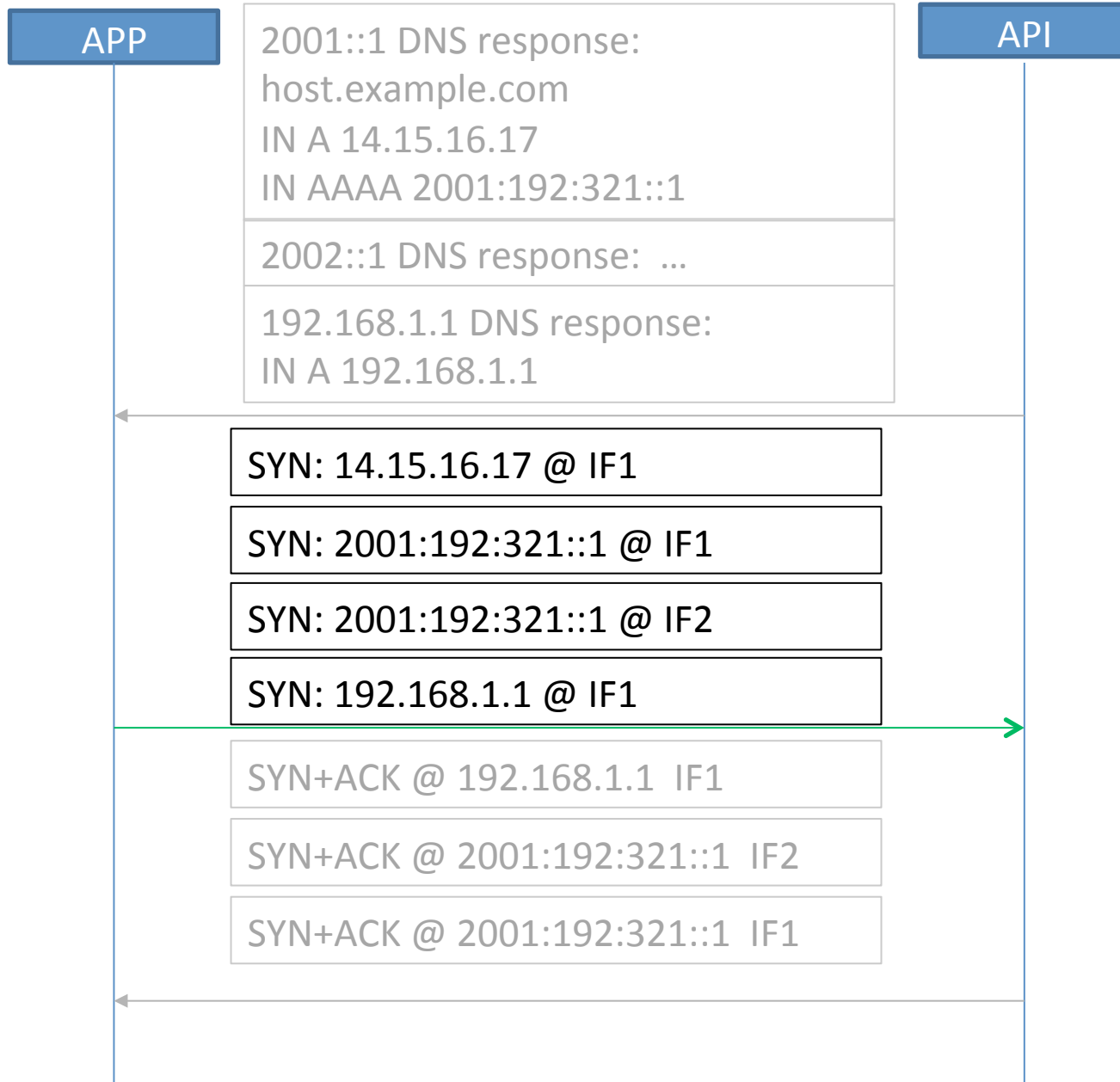
Happy Eyeballs Scenario



MIF API Communication Model



MIF API Communication Model



Proposed MIF API

API for information query

- Client message
 - Please announce interfaces
 - Please announce networks on interface X
- Message from API
 - Announcing interface X
 - Announcing network Y on Interface X, DNS Server D1,...,Dn

API for DNS resolve

- Client message
 - DNS Server S, please look up host H
- API message
 - Host H has A records A_1, \dots, A_n
 - Host H has AAAA records A_1, \dots, A_n

API for connection

- Client message
 - Please connect to IP address X on interface Y
- API message
 - Here is a connection to IP address X on interface Y
 - Connection to IP address X on interface Y failed because of Z

- Q&A?