











## **TCP relay mechanism**

## □ **Precondition**

○IPv6 site has also small number of IPv4 addresses

•Both fake DNS and TCP relay are dual stack

▷A special prefix is installed on them statically

## □ Connection from v6.com to v4.org

°v6.com asks faked DNS to resolve AAAA record of v4.org

°Faked DNS asks DNS to resolve A record of v4.org

ODNS returns 1.2.3.4

° Faked DNS embeds 1.2.3.4 into special prefix and tells v6.com it

°v6.com tries to make a TCP/IPv6 connection to prefix::1.2.3.4

°TCP relay catches the connection

°TCP relay also make a TCP/IPv4 connection to 1.2.3.4