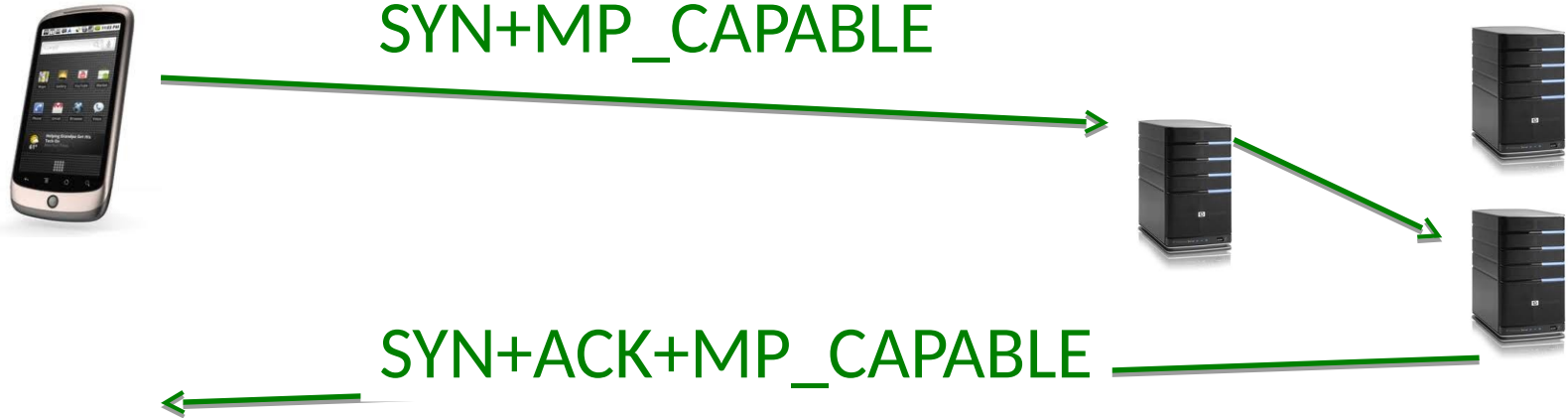


Load balancing for Multipath TCP

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UCLouvain

Load-balancers and MPTCP



SYN+MP_JOIN



How to link to corresponding server ?

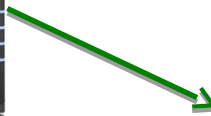
Proposed solution

- Use several addresses
 - Load balancer address advertised by DNS
 - One address (for IPv6) or one port (IPv4) per physical server
- Modify MP_CAPABLE option
 - New flag to indicate that the address used for the initial subflow should not be used as destination address to create other subflows

Example



C->L : SYN+MP_CAPABLE



L->C SYN+ACK+MP_CAPABLE(nojoin)



L->C ADD_ADDR(S2)



C->S2 SYN+MP_JOIN



S2->C SYN+ACK+MP_JOIN

