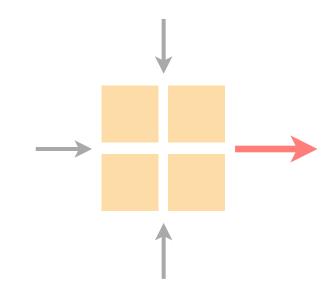
Communication Networks

Spring 2025





Georgia Fragkouli

comm-net.ethz.ch

ETH Zürich

27 Feb 2025

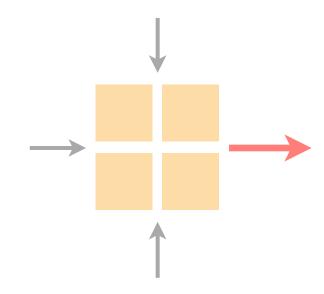
A typical exercise session

Brief presentation elaborate on topics/questions

Time to solve the exercise we are also available on Element/mail

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Important network tools

Time to solve the exercise

Important network tools

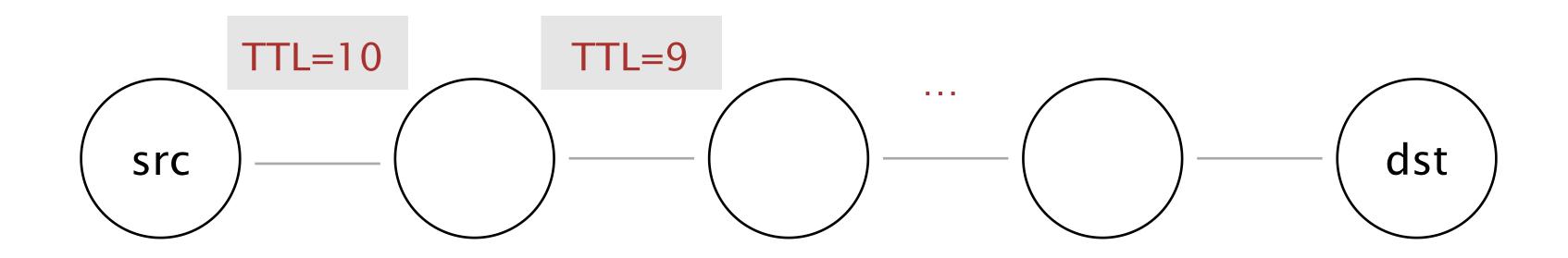
Is a destination reachable? ping

What is the path to the dst? traceroute

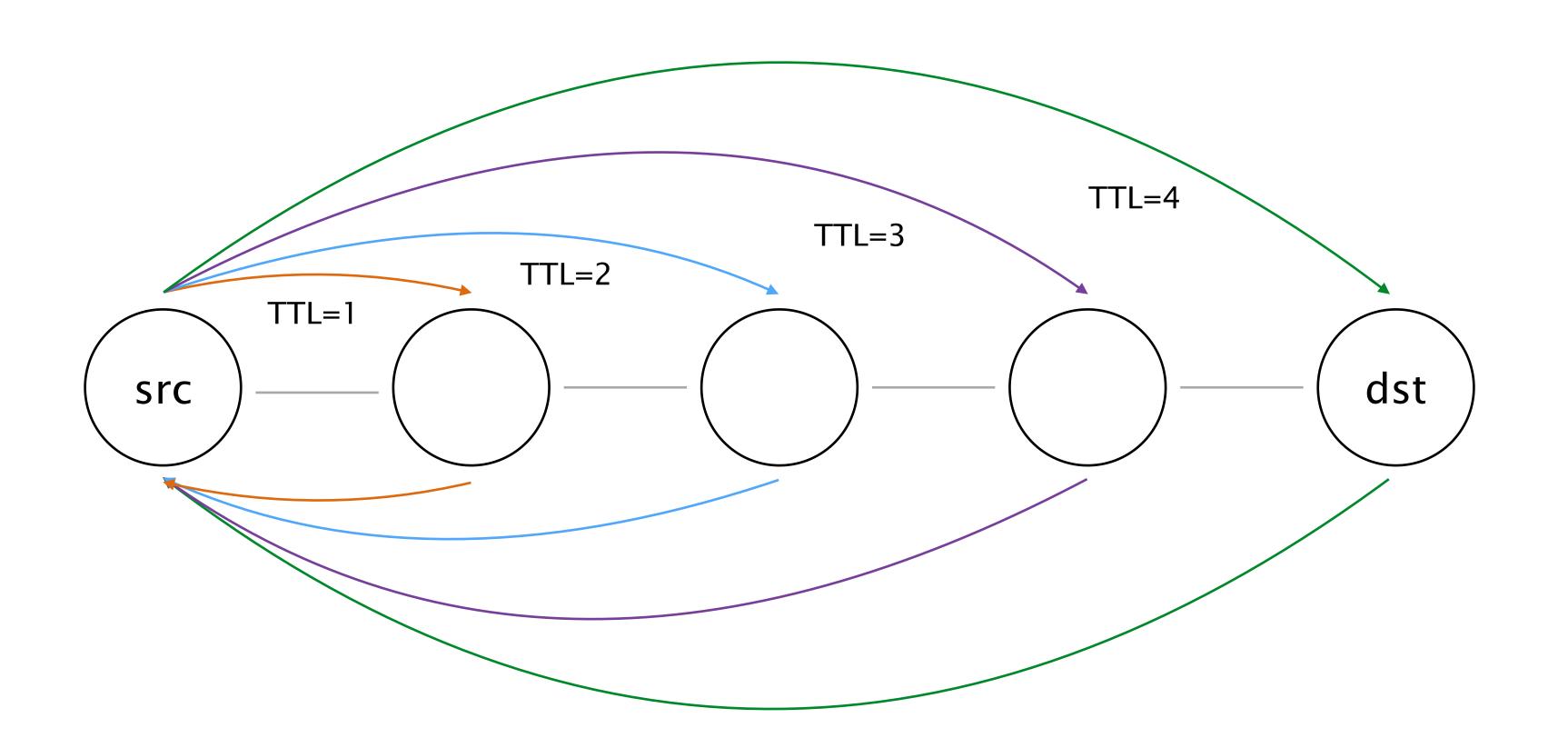
What is the IP of a domain? dig

What packets does a device send? Wireshark

The Time-To-Live (TTL) field decreases by 1 per hop



traceroute finds the path thanks to expiring TTLs of multiple packets



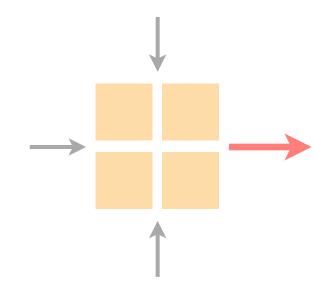
traceroute's method has some "issues"

non-answering devices

multiple possible parallel paths

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Important network tools

Time to solve the exercise