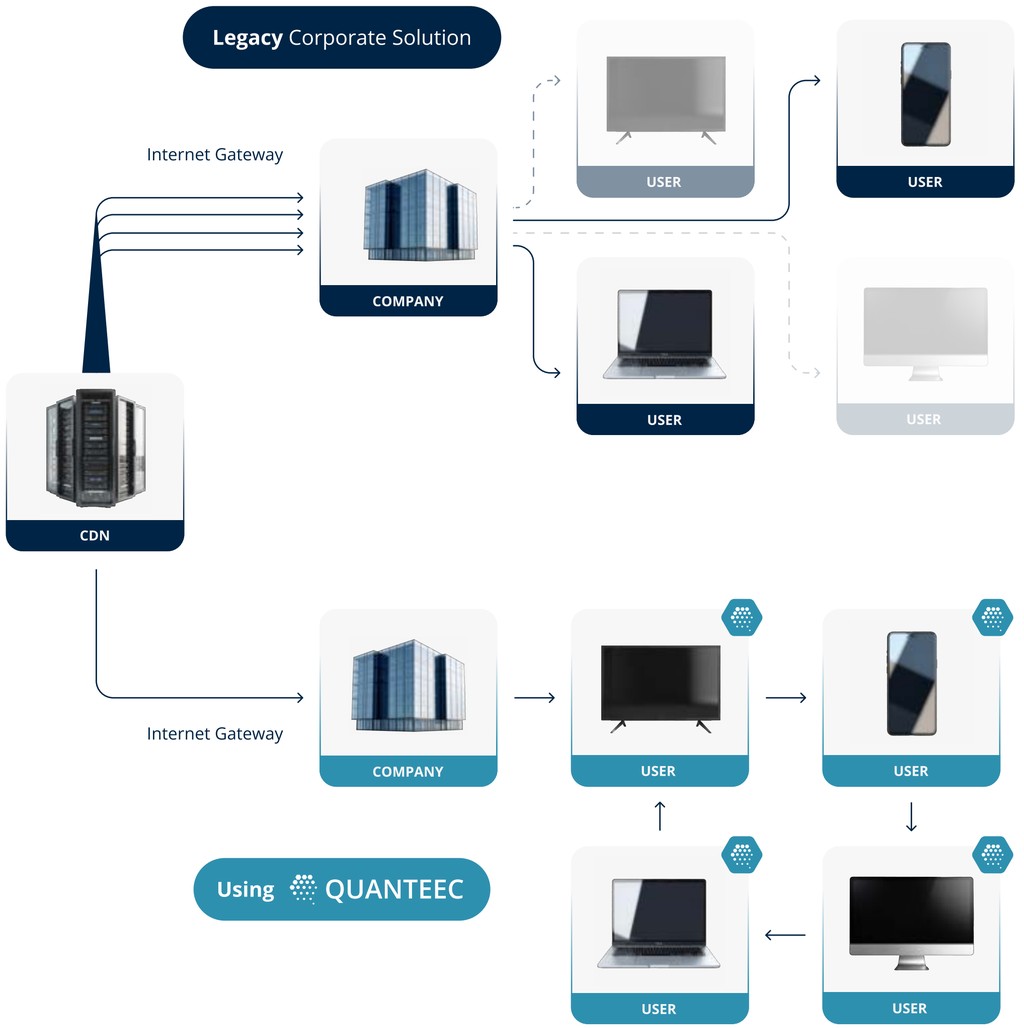
mDNS in eCDN Use Case

QUANTEEC
streaming with purpose

Quanteec eCDN



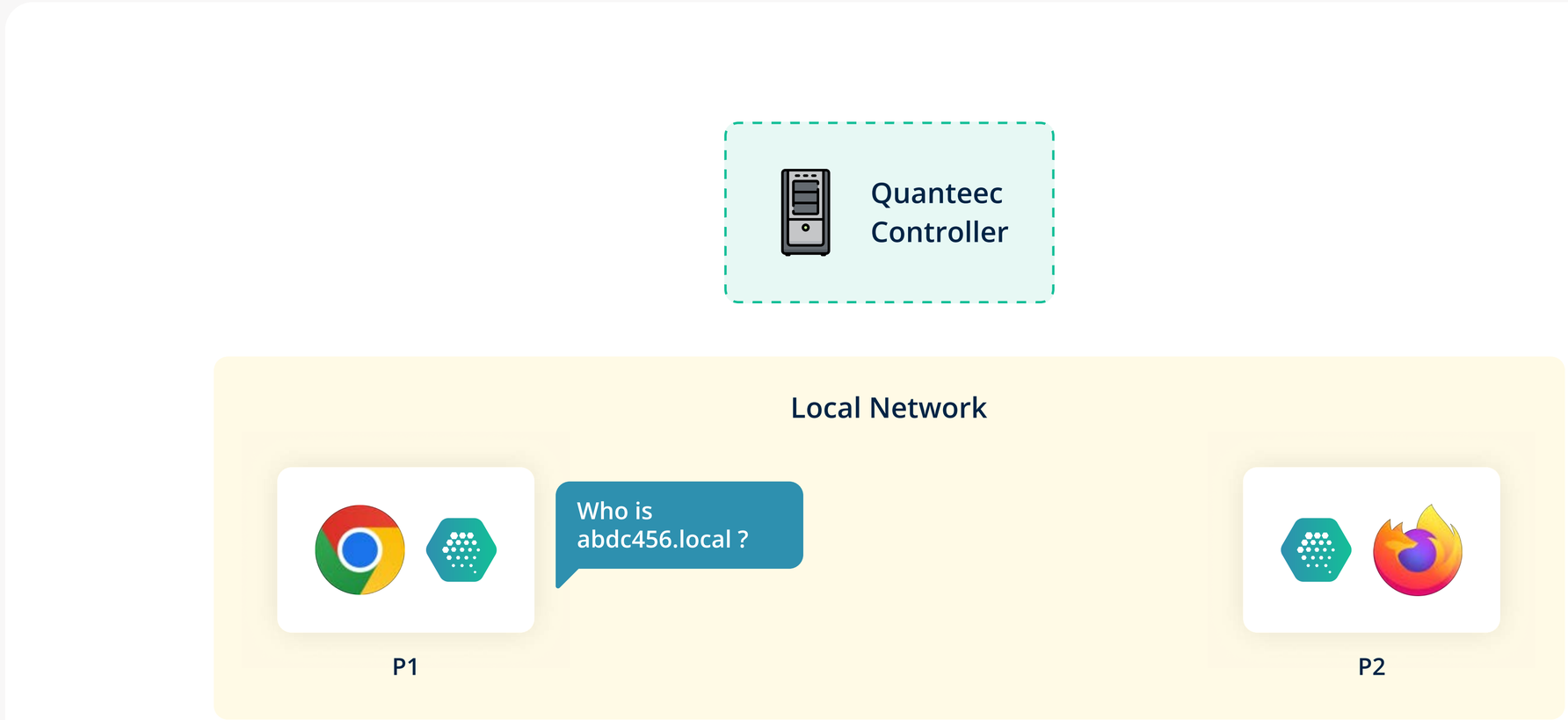
mDNS

The protocol allows devices on the same local network to resolve hostnames (e.g., my-device.local) to IP addresses without needing a central DNS server.

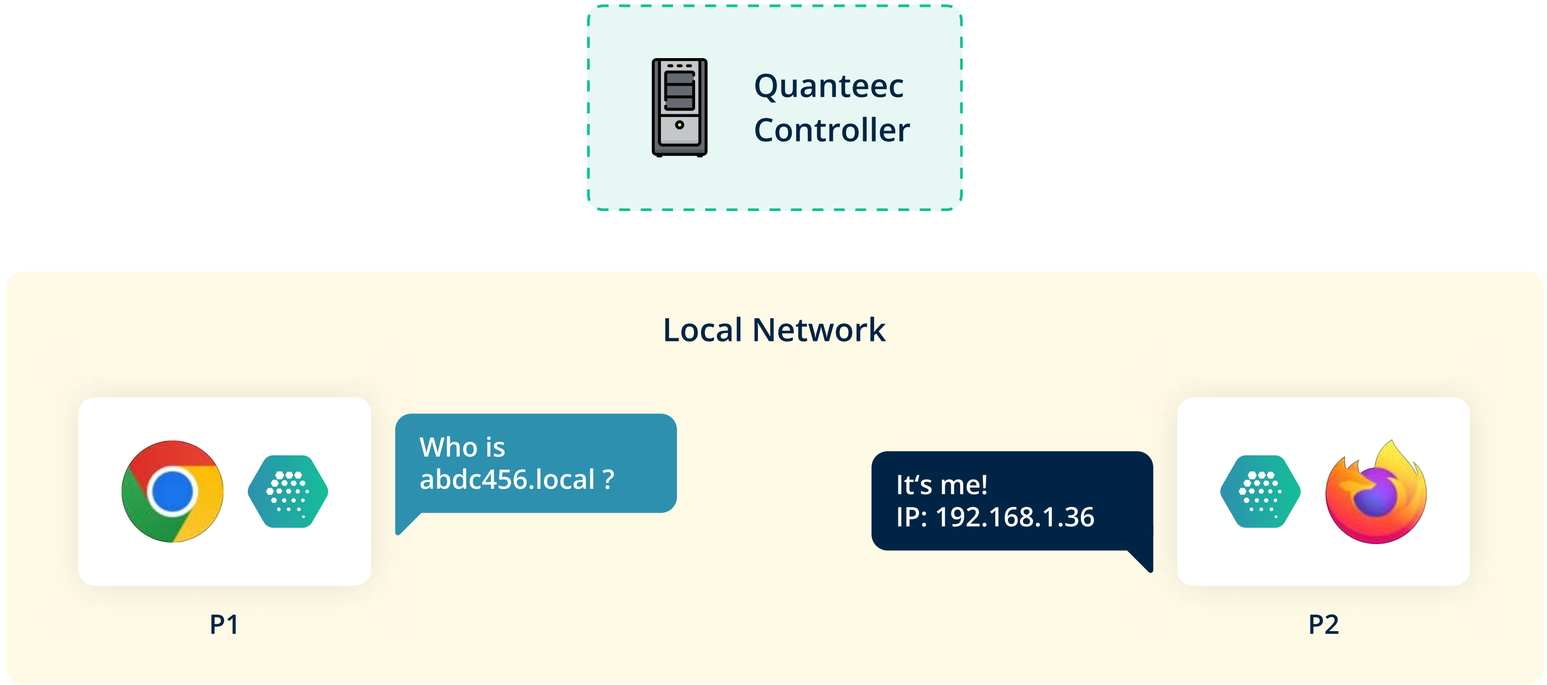
In WebRTC, mDNS is used to enhance privacy by hiding a user's real local IP address from websites.

Instead of exposing private IPs directly during WebRTC sessions, mDNS generates obfuscated ICE candidates (e.g., 12345.local) that are resolved to private IP addresses only within the local network.

Local network connections with mDNS



Local network connections with mDNS



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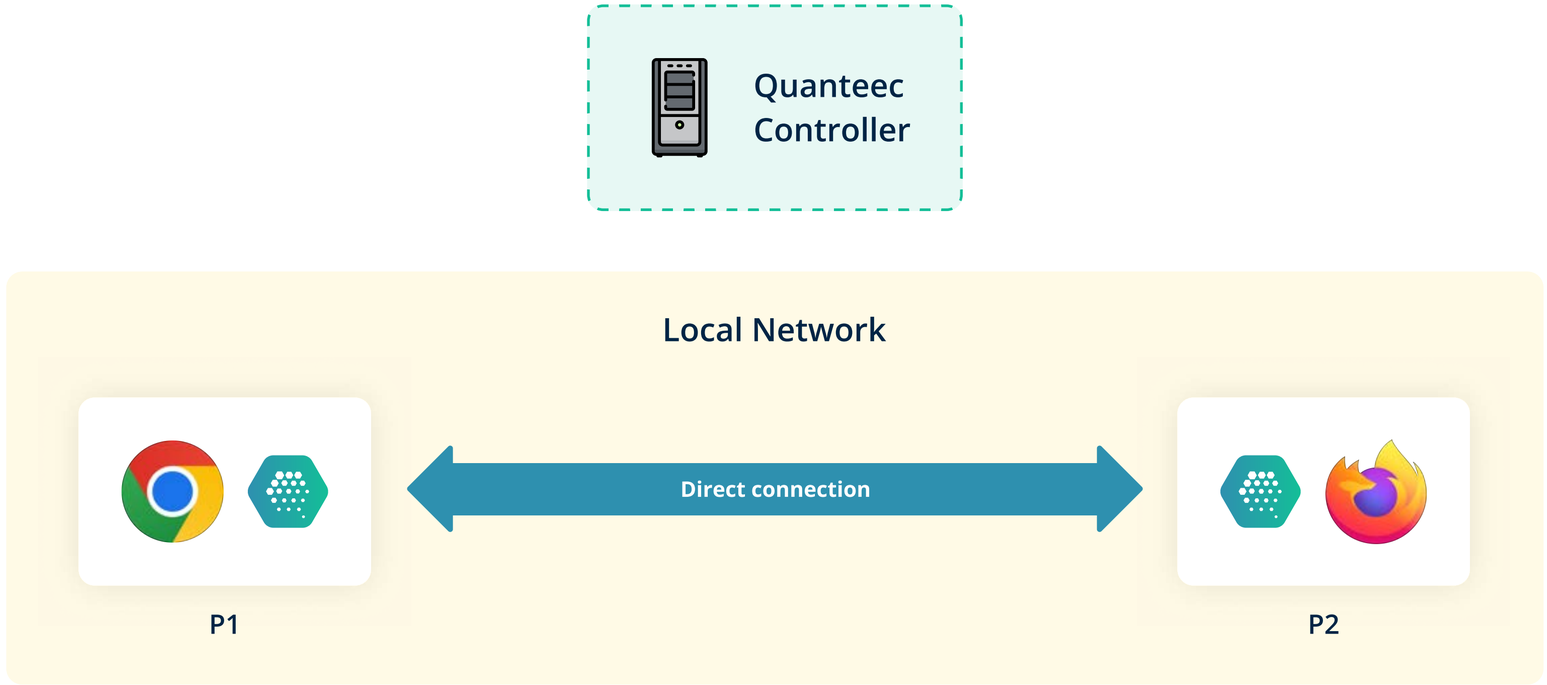
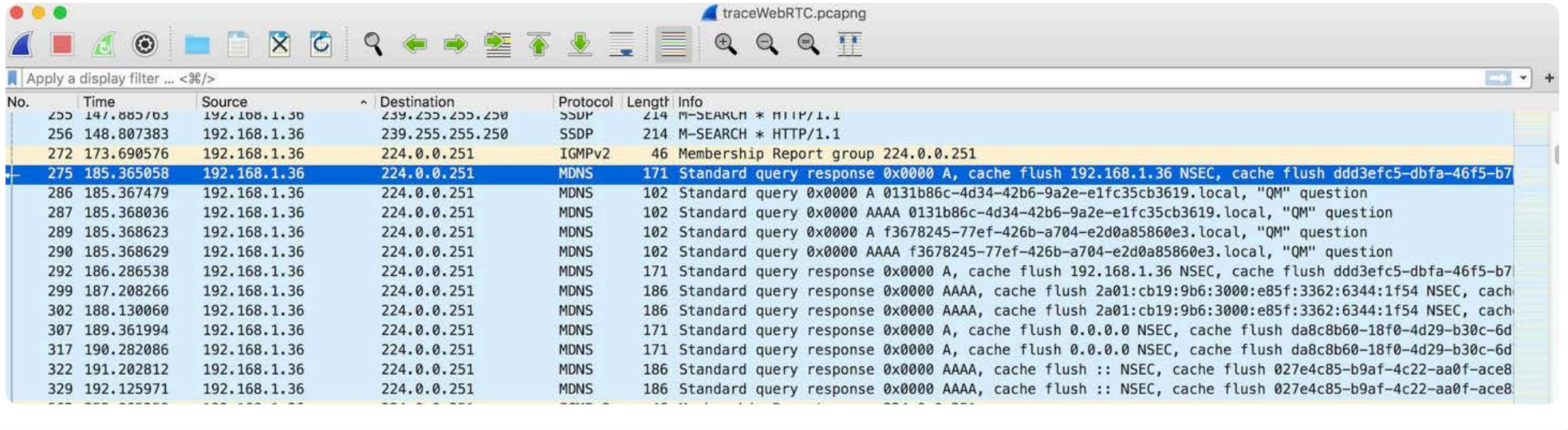
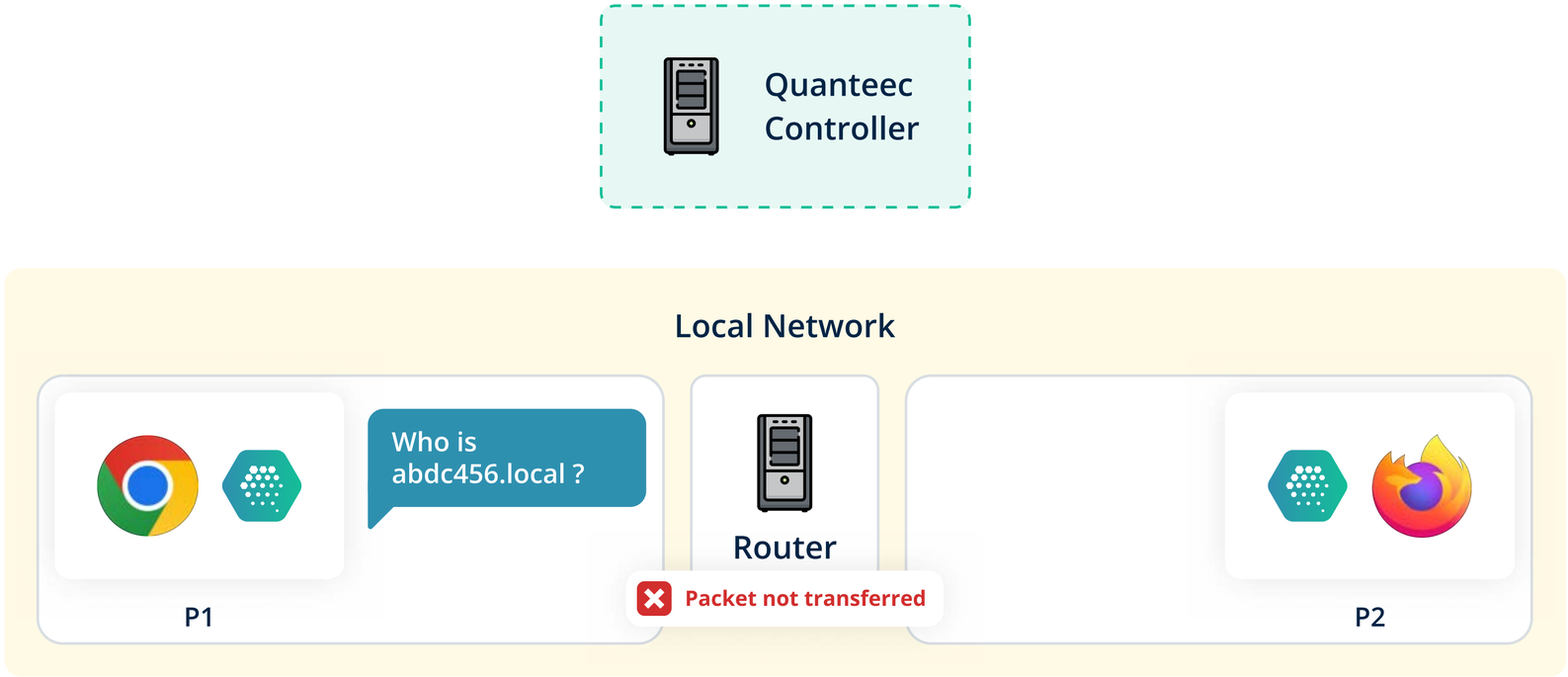


Local network connections with mDNS

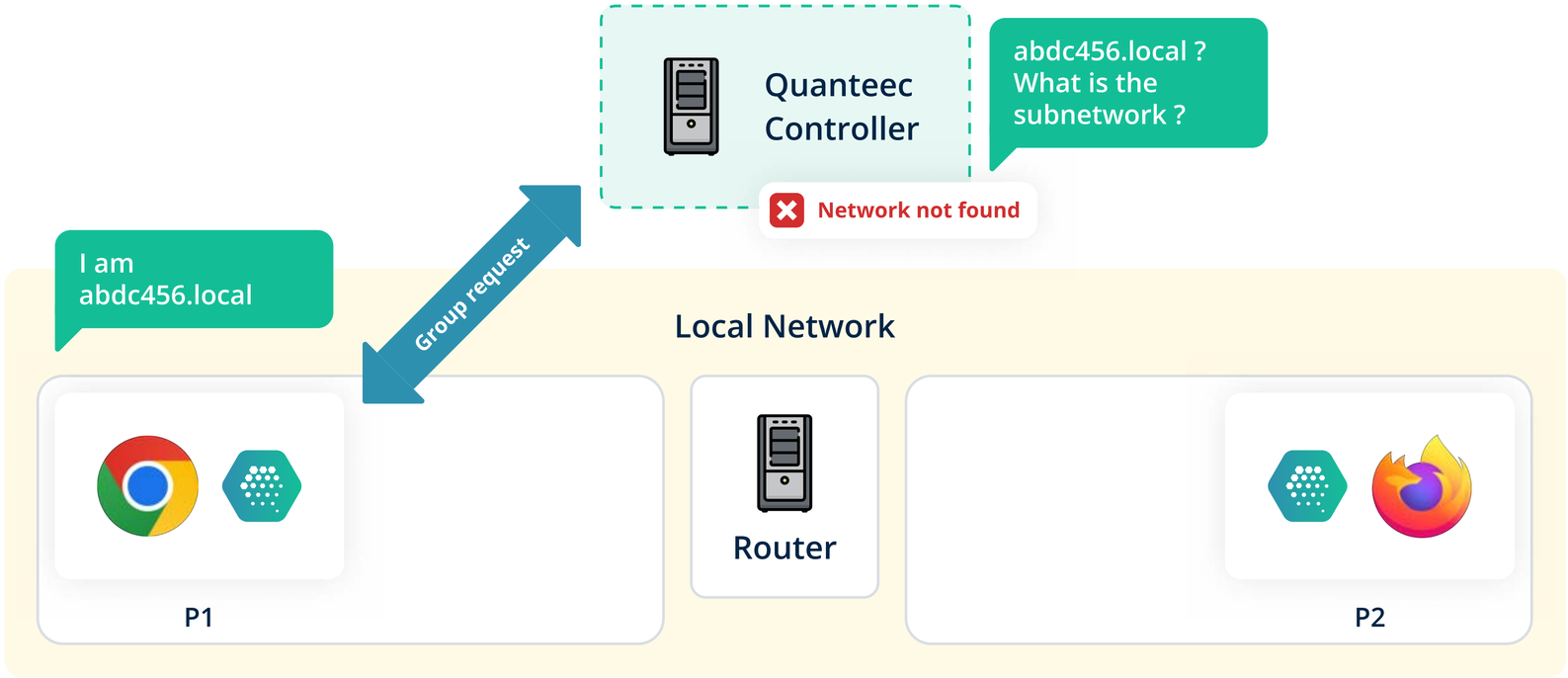


Issue 1: mDNS not authorized in the network

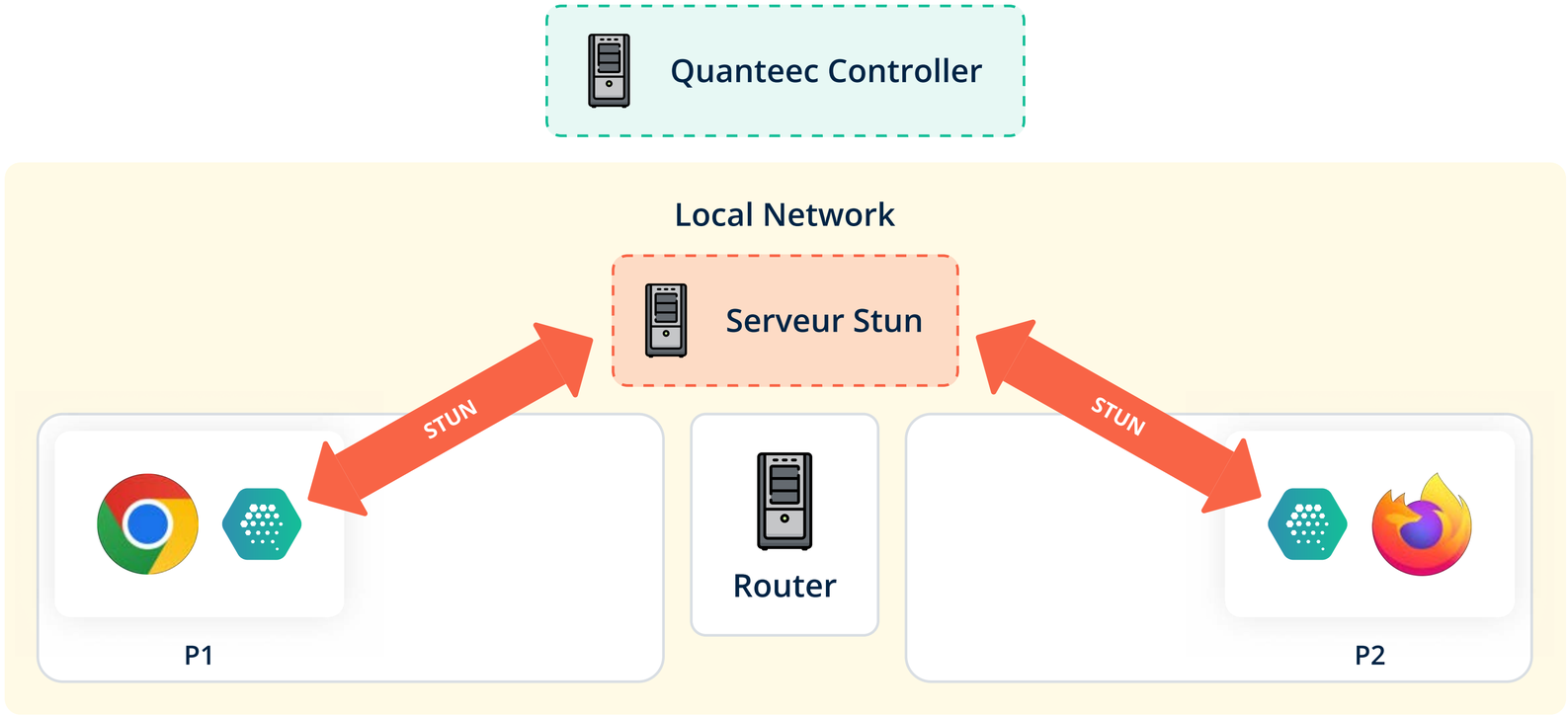
Issue 2: mDNS not forwarded by a router



Issue 3: Quanteec can not see the IP to associate the peer in the subnetwork



Idea: local STUN/TURN ? For issues 1 & 2 only.



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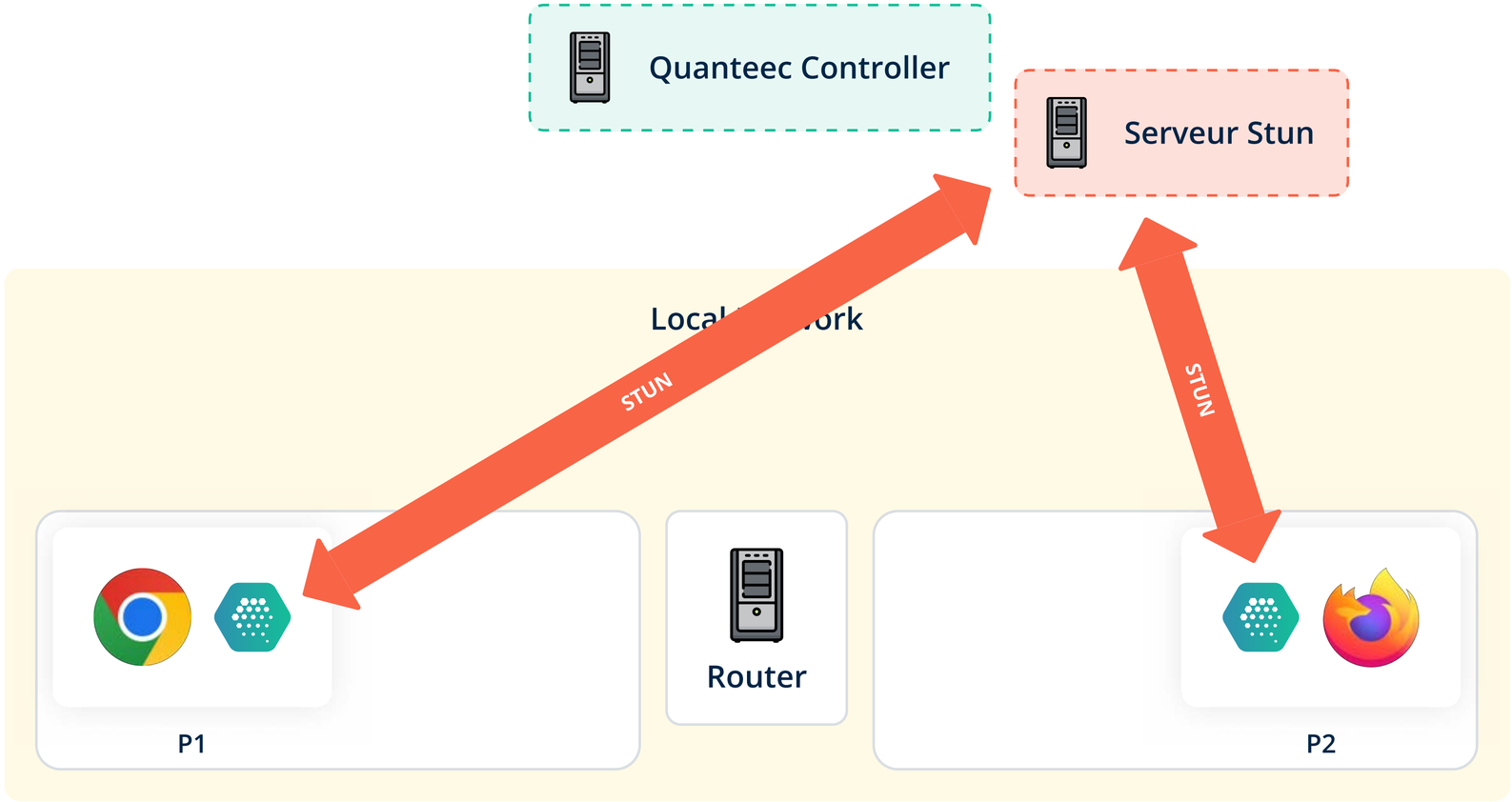
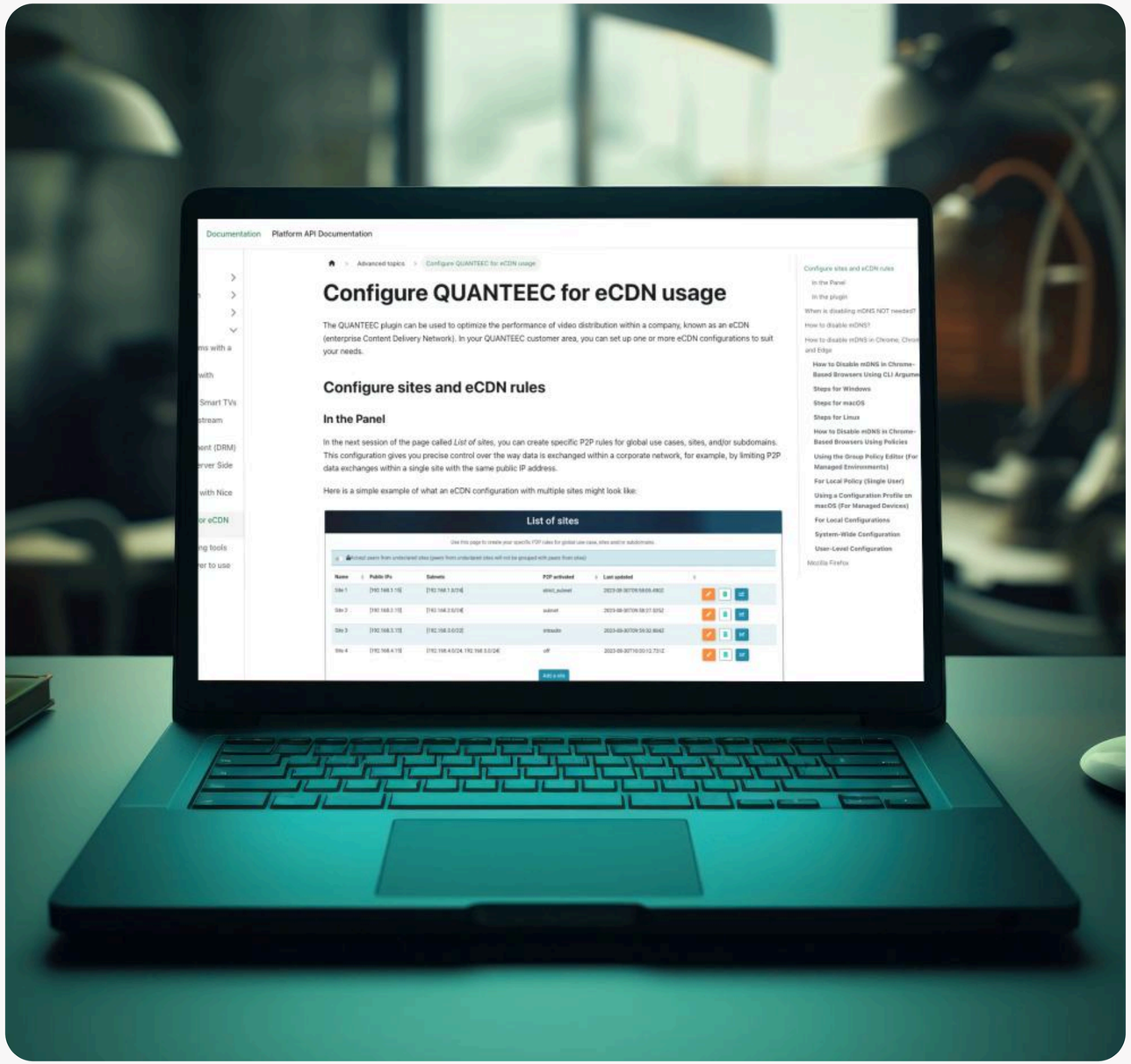


Disabling mDNS is not needed when

- mDNS is not blocked in the local network
- users are behind the same router

How to disable mDNS in the browsers?

All informations at:
https://doc.quanteec.com/advanced-topics/ecdn



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