# m DNS in ecdn Use Case

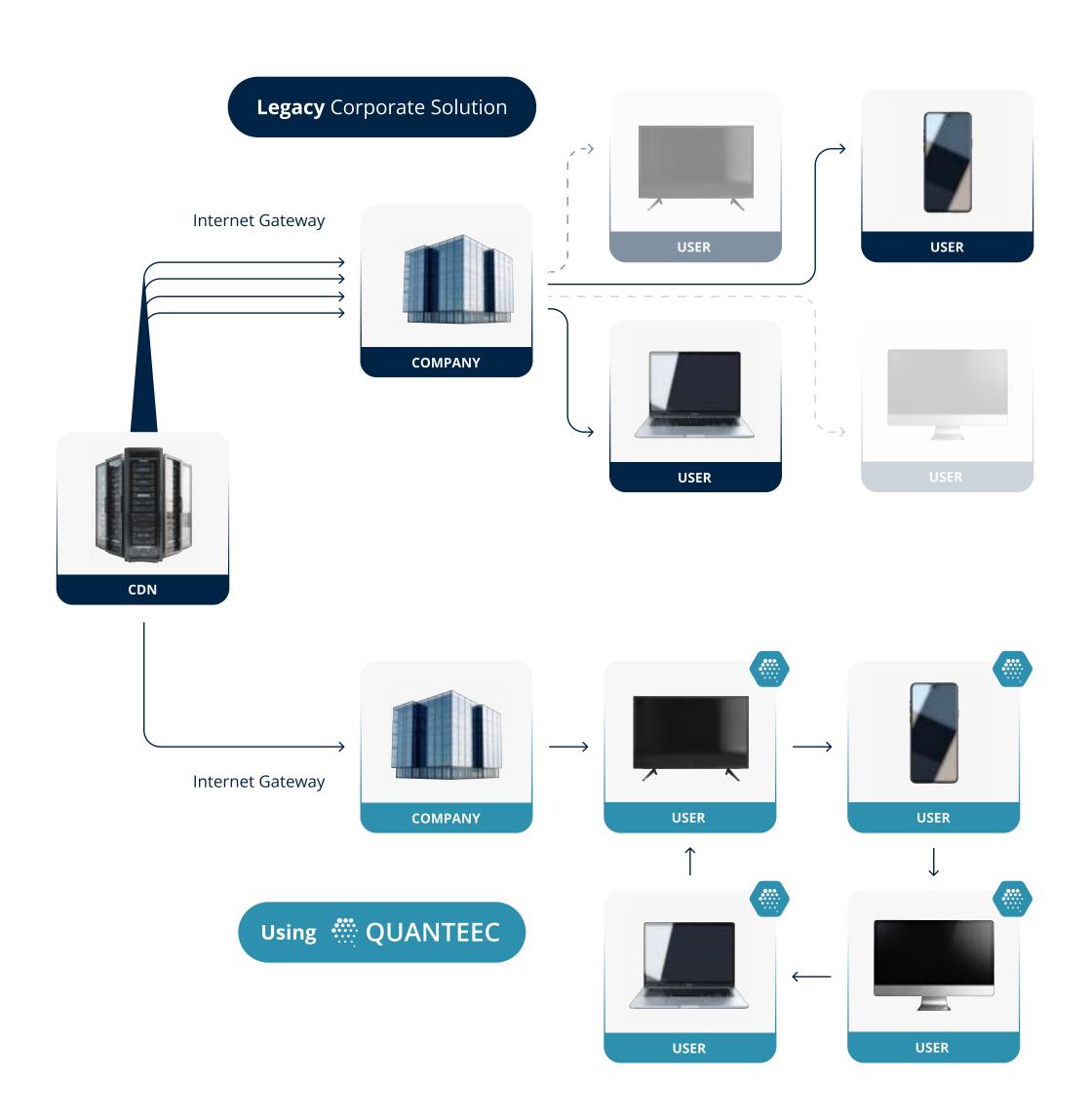


streaming with purpose



# Quanteec eCDN







### mDNS



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

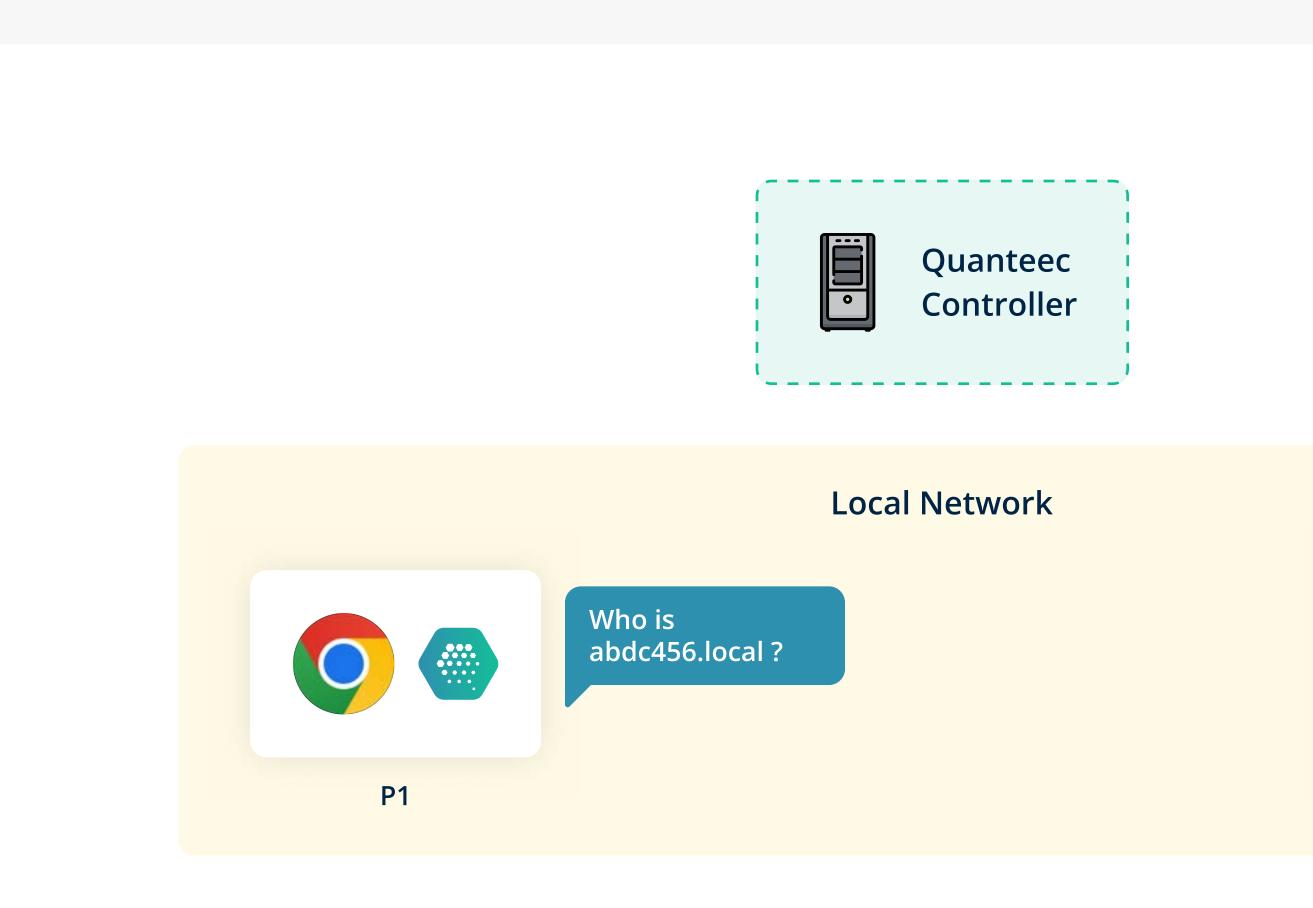
In WebRTC, mDNS is used to enhance privacy by hiding a user's real local IP address from websites.

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.





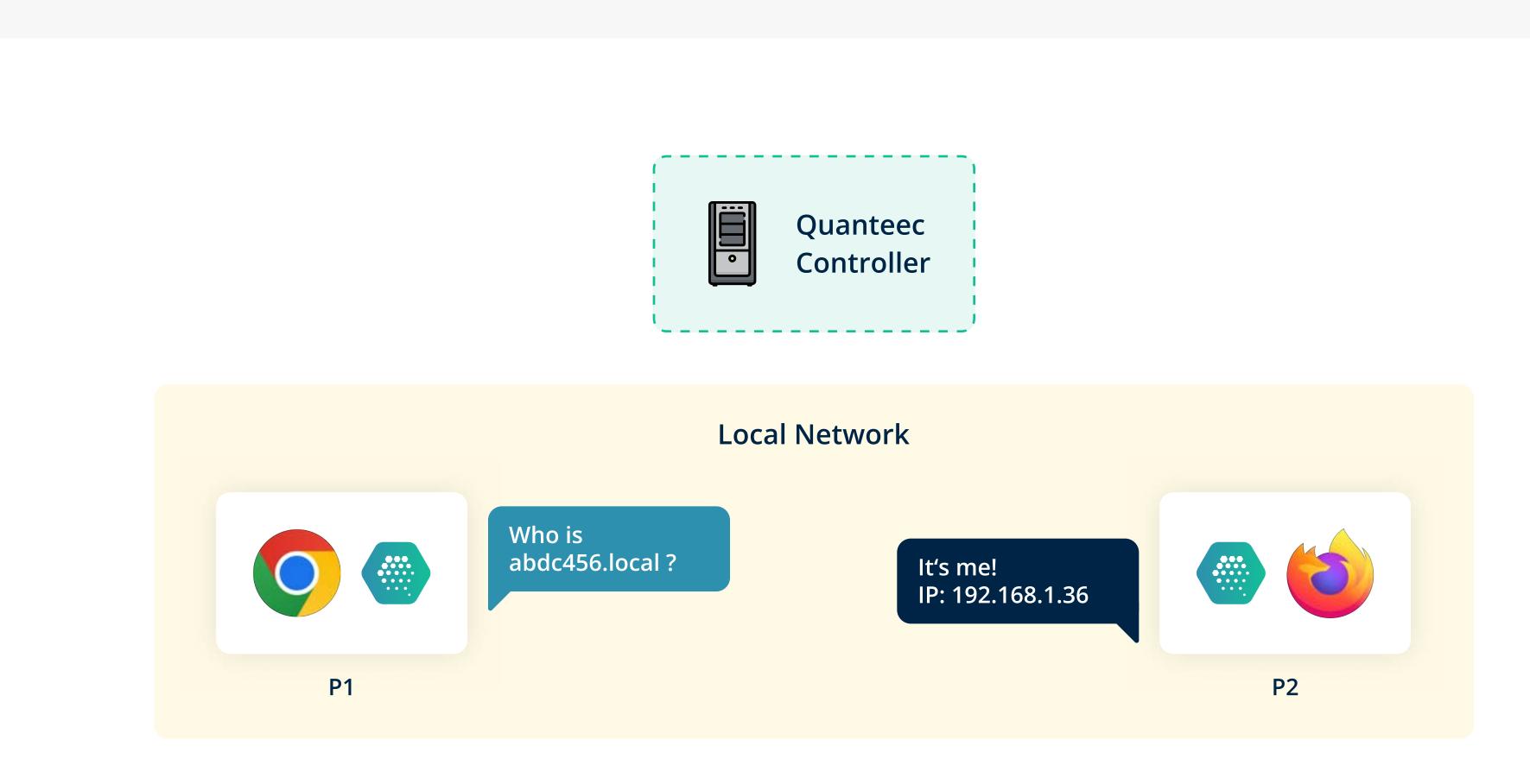






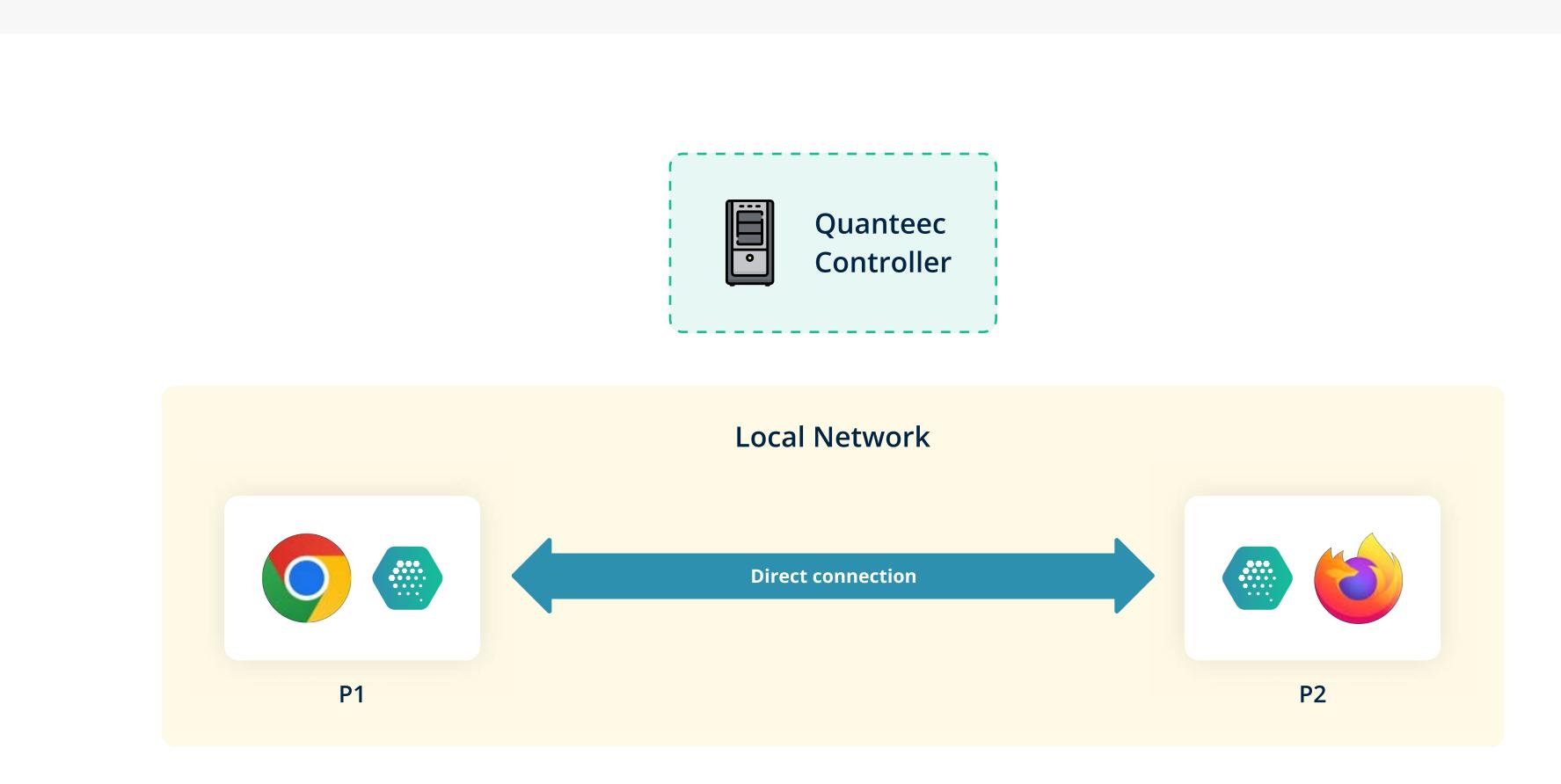














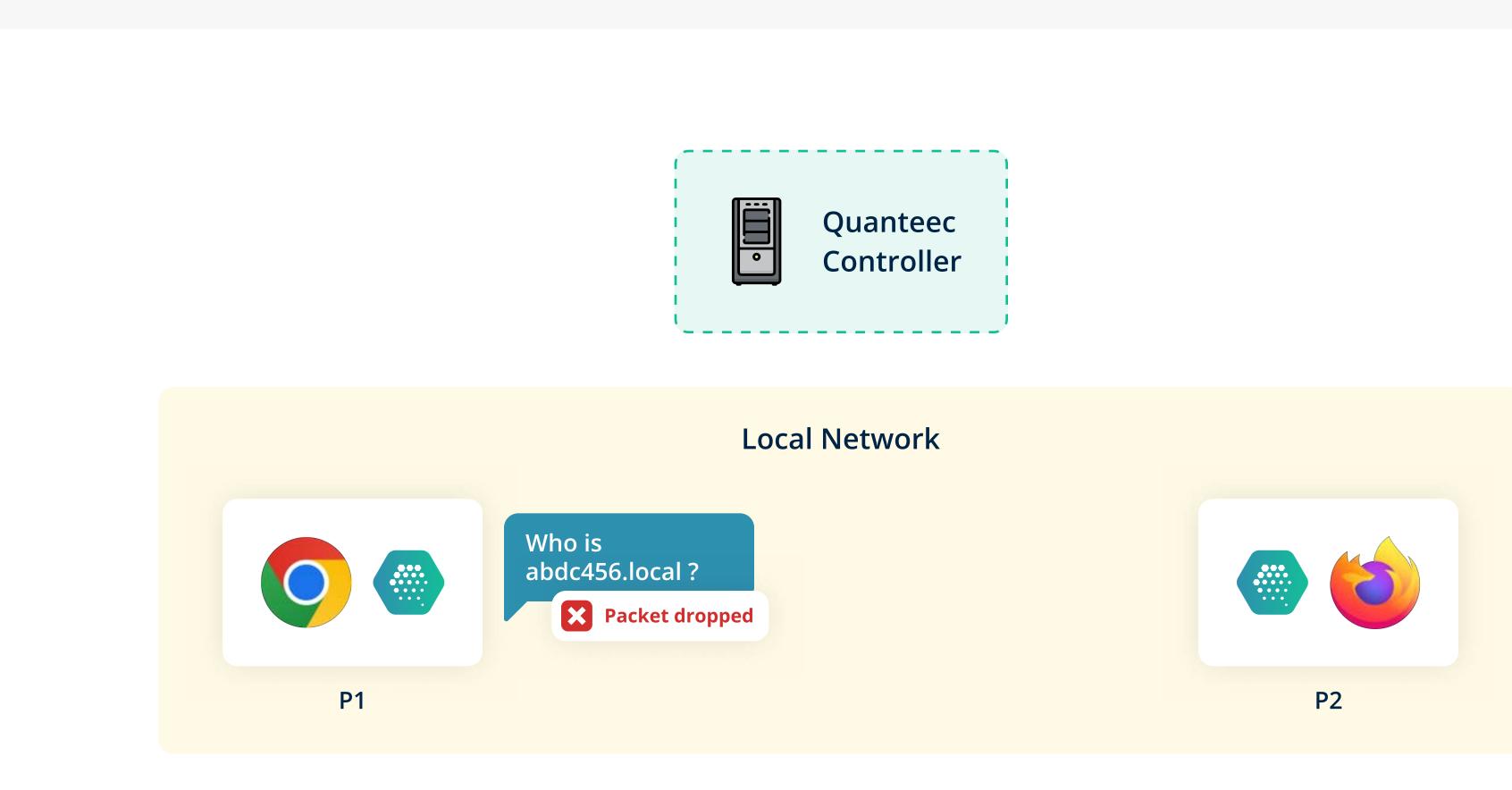


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o.	display filter < Time	Source	<ul> <li>Destination</li> </ul>	Protocol	Length	Info
	141.885/03	192.108.1.30	239.200.200.200	SSUP		M-SEARCH * HITP/1.1
256	148.807383	192.168.1.36	239.255.255.250	SSDP	214	M-SEARCH * HTTP/1.1
272	173.690576	192.168.1.36	224.0.0.251	IGMPv2	46	Membership Report group 224.0.0.251
275	185.365058	192.168.1.36	224.0.0.251	MDNS	171	Standard query response 0x0000 A, cache flush 192.168.1.36 NSEC, cache flush ddd3efc5-dbfa-46f5-b7
286	185.367479	192.168.1.36	224.0.0.251	MDNS	102	Standard query 0x0000 A 0131b86c-4d34-42b6-9a2e-e1fc35cb3619.local, "QM" question
287	185.368036	192.168.1.36	224.0.0.251	MDNS	102	Standard query 0x0000 AAAA 0131b86c-4d34-42b6-9a2e-e1fc35cb3619.local, "QM" question
289	185.368623	192.168.1.36	224.0.0.251	MDNS	102	Standard guery 0x0000 A f3678245-77ef-426b-a704-e2d0a85860e3.local, "QM" guestion
290	185.368629	192.168.1.36	224.0.0.251	MDNS	102	Standard guery 0x0000 AAAA f3678245-77ef-426b-a704-e2d0a85860e3.local, "QM" guestion
292	186.286538	192.168.1.36	224.0.0.251	MDNS	171	Standard query response 0x0000 A, cache flush 192.168.1.36 NSEC, cache flush ddd3efc5-dbfa-46f5-b7
299	187.208266	192.168.1.36	224.0.0.251	MDNS		Standard guery response 0x0000 AAAA, cache flush 2a01:cb19:9b6:3000:e85f:3362:6344:1f54 NSEC, cach
	188.130060	192.168.1.36	224.0.0.251	MDNS		Standard query response 0x0000 AAAA, cache flush 2a01:cb19:9b6:3000:e85f:3362:6344:1f54 NSEC, cach
20.37	189.361994	192.168.1.36	224.0.0.251	MDNS		Standard query response 0x0000 A, cache flush 0.0.0.0 NSEC, cache flush da8c8b60-18f0-4d29-b30c-6d
	190.282086	192.168.1.36	224.0.0.251	MDNS		Standard query response 0x0000 A, cache flush 0.0.0.0 NSEC, cache flush da8c8b60-18f0-4d29-b30c-6d
	191.202812	192.168.1.36	224.0.0.251	MDNS		Standard query response 0x0000 AAAA, cache flush :: NSEC, cache flush 027e4c85-b9af-4c22-aa0f-ace8
	192.125971	192.168.1.36	224.0.0.251	MDNS		Standard query response 0x0000 AAAA, cache flush :: NSEC, cache flush 027e4c85-b9af-4c22-aa0f-ace8
525	1561165571	102110011150			100	standard query response oxooo AAAA cuene reash in histey cuene reash oz/e4c03 biar 4czz daor dee





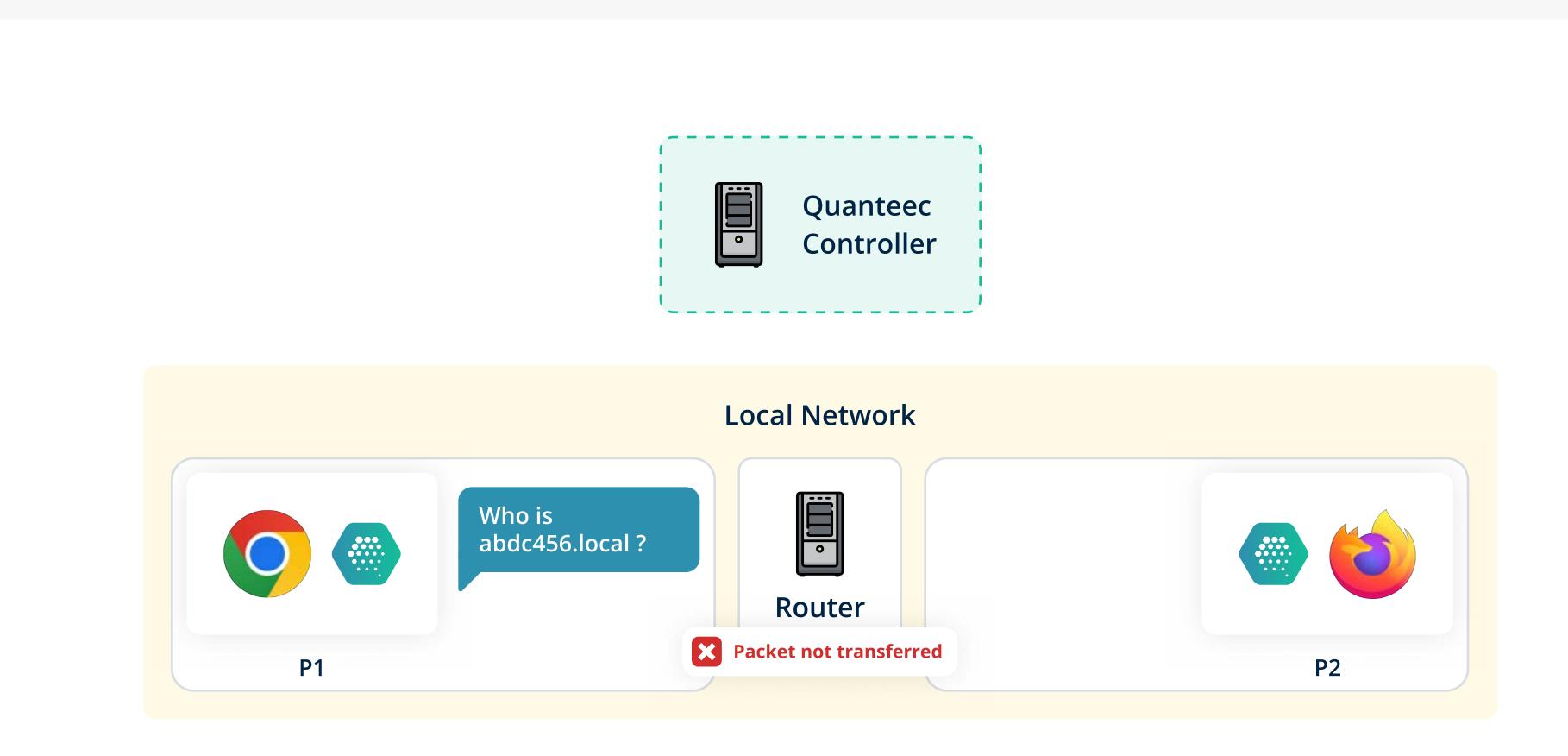
# Issue 1: mDNS not authorized in the network







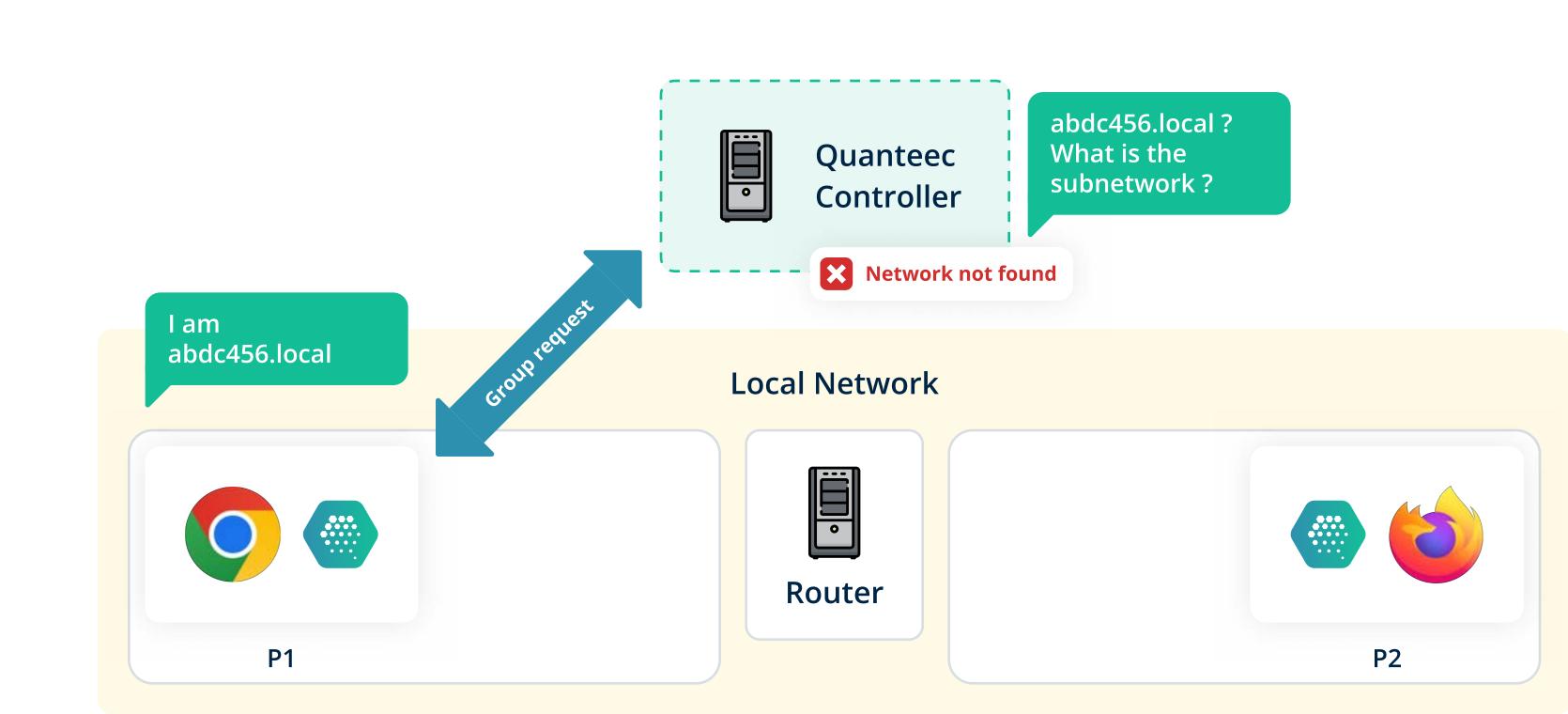
### Issue 2: mDNS not forwarded by a router







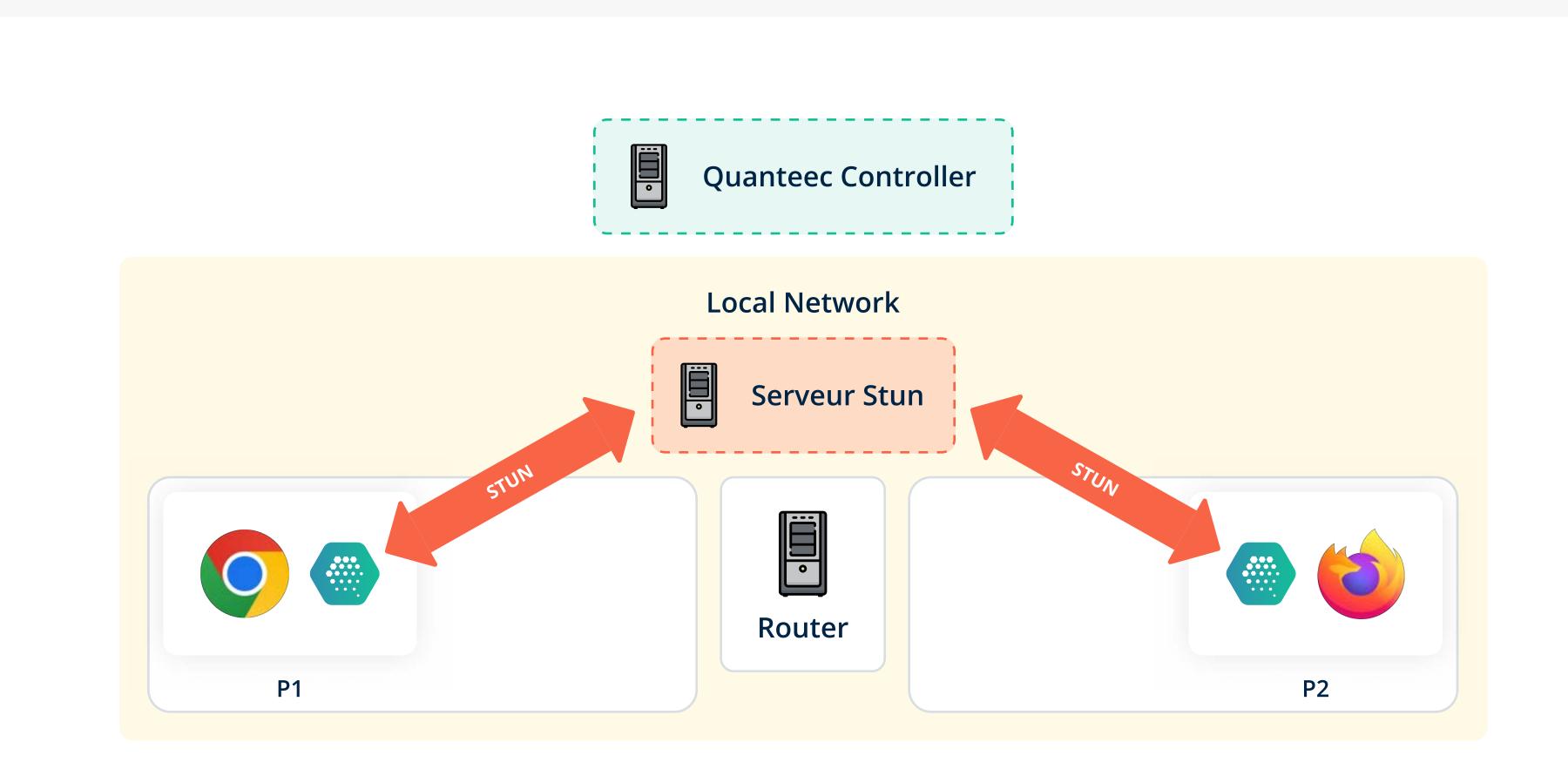
### **Issue 3: Quanteec can not see the IP to** associate the peer in the subnetwork







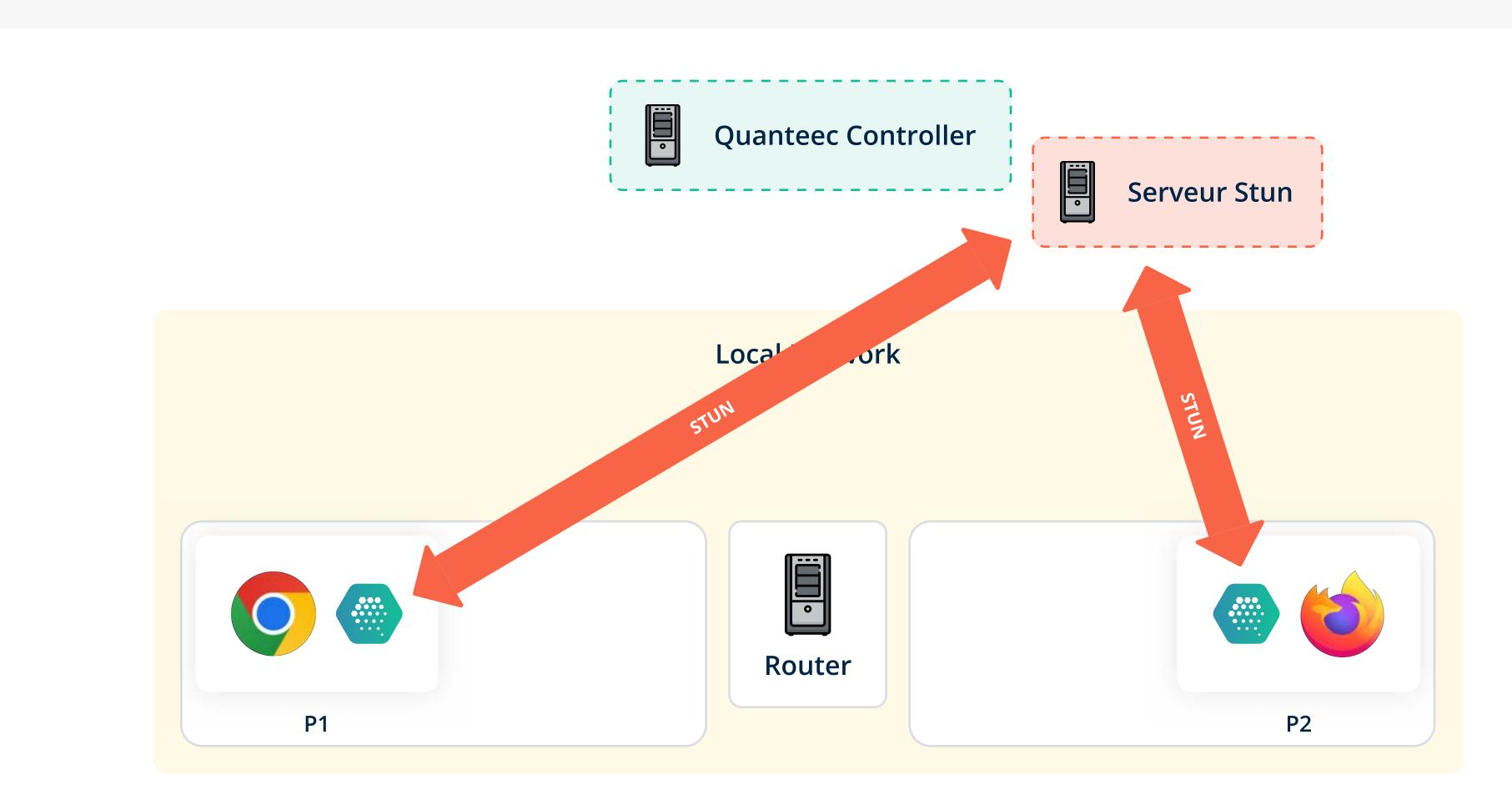
# Idea: local STUN/TURN ? For issues 1 & 2 only.







## Issue 2: mDNS not forwarded by a router







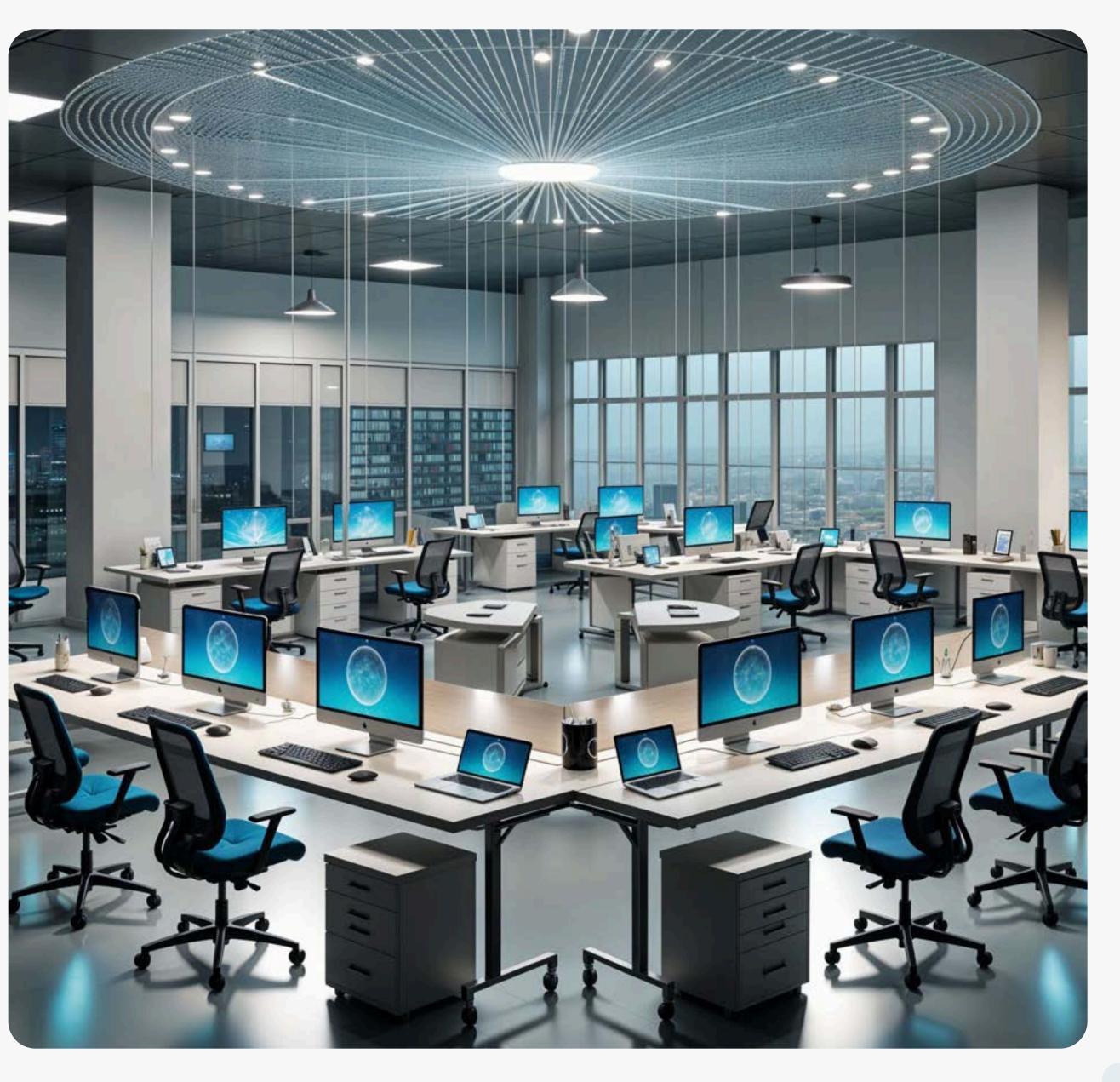
## Disabling mDNS is not needed when



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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♠ > Advanced topics > Configure QUANTEEC for #EDN unope

### Configure QUANTEEC for eCDN usage

The QUANTEEC plugin can be used to optimize the performance of video distribution within a company, known as an eCDN (enterprise Content Delivery Network). In your QUANTEEC customer area, you can set up one or more eCDN configurations to suit your needs.

### Configure sites and eCDN rules

### In the Panel

In the next session of the page called List of sites, you can create specific P2P rules for global use cases, sites, and/or subdomains. This configuration gives you precise control over the way data is exchanged within a corporate network, for example, by limiting P2P data exchanges within a single site with the same public IP address.

Here is a simple example of what an eCDN configuration with multiple sites might look like:

List of sites											
			Use this page to simple your upe	effective raise for going law	tain,	the antibe addomaina					
( #	Advised search part (which and the group from and class of on the group of the search on (stat)										
Lone		Public (Pa	Salmets	POP activated		Last applicated					
84.5		[110 148.3 15]	(PER TANE TANK	enc.sine		20229-08-202208-58-09-4802					
8.7.		par sea oil	Det ine string	avient.		2022-08-00709-08-07-0752					
14.3		102.068.3.728	(182-H4-1-072)	reado		2013-03-00709-59-30.0040					
10.4		0102308-6719	012 THE 4 5/24 THE THE S 5/24	et.		2023-08-30710-00-12-751Z					

### Configure sites and aCDH rules In the Panel

In the plugin When is disabling mONS NOT needs

- How to disable mDNS?
- How to deable mDNS in Chrome; ) and Edge

How to Disable mDNS in Chrome-Based Browsers Using CLI Argun Steps for Windows

Steps for macOS

Sheps for Linux How to Disable mDNS is Chro

Based Browsers Using Policies

Using the Group Policy Editor (For Managed Environments)

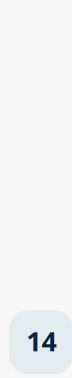
For Local Policy (Single User)

macOS (For Managed Devices)

For Local Configurations System-Wide Configuration

User-Level Configuration Models Firefox









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