

Local Network Privacy FAQ-3

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This post is part of the [Local Network Privacy FAQ](#).

What operations require the multicast entitlement?

👁 2.6k

The general rule is that sending or receiving multicast or broadcast traffic requires the [multicast entitlement](#) (`com.apple.developer.networking.multicast`). Common scenarios include:

- Sending a UDP unicast — no
- Sending a UDP multicast — yes
- Sending a UDP broadcast — yes
- Receiving an incoming UDP unicast — no
- Receiving an incoming UDP multicast — yes
- Receiving an incoming UDP broadcast — yes

IMPORTANT Due to a combination of implementation limitations and bugs, not all of the these restrictions are enforced on iOS 14 and 15. They should be correctly enforced by iOS 16 and later. Please [let us know](#) if you find evidence to the contrary.

Additionally, some Bonjour operations require the multicast entitlement:

- Working with arbitrary Bonjour service types — yes
- Browsing for advertised service types [1] — yes

[1] Using `_services._dns-sd._udp.local.`, as described in QA1337 [Discovering all advertised Bonjour service types](#).

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Posted 1 year ago by eskimo

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