

# 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?

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** Not all of the above-mentioned restrictions are currently enforced:

- Receiving UDP multicasts or broadcasts does not currently require the multicast entitlement. This may change in a future update which is why we recommend that you apply for and enable the entitlement if you either **send or receive** multicasts or broadcasts.
- The current restriction on sending multicasts and broadcasts applies to [NWConnectionGroup](#) but not to BSD Sockets. We hope to change that in a future update (r. 68104781).

**Update** The second issue is resolved in iOS 14.5, where BSD Sockets now enforces the multicast entitlement as well.

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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Asked 6 months ago by eskimo  

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