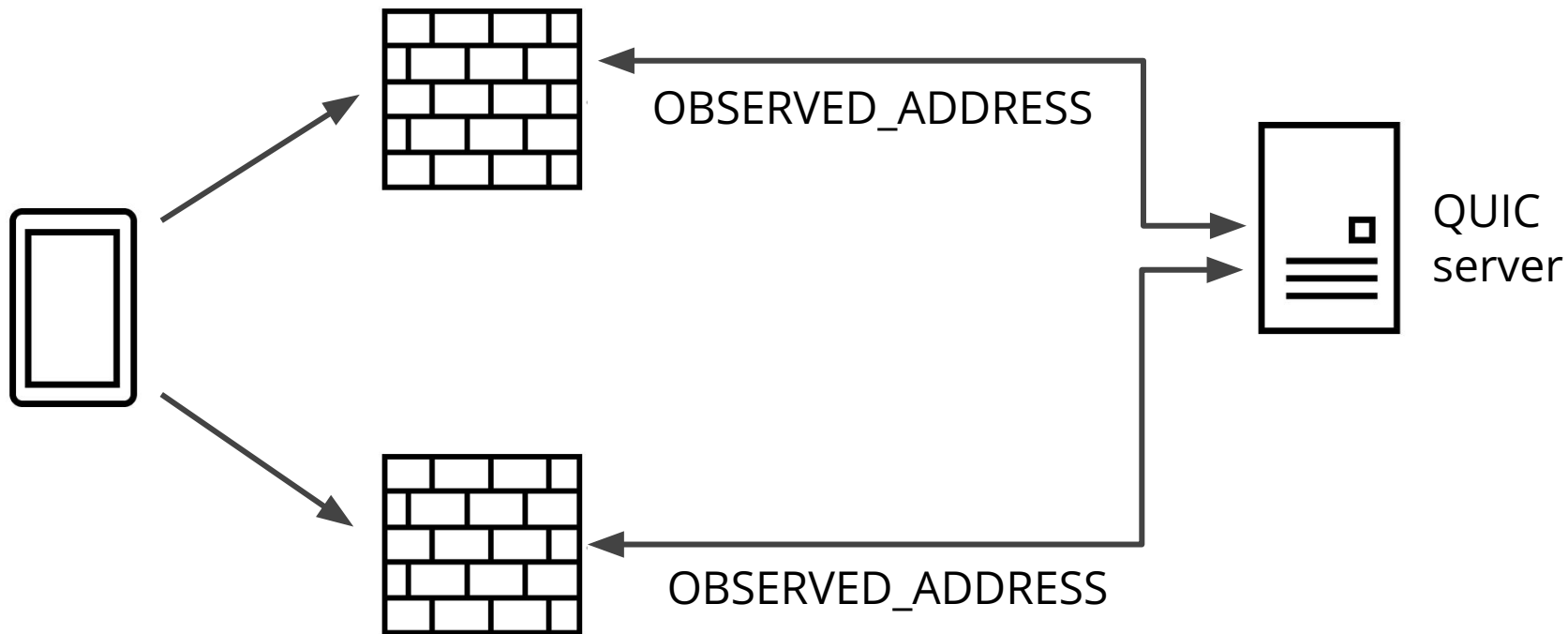# QUIC Address Discovery

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draft-seemann-quic-address-discovery
draft-ietf-quic-address-discovery

Protocol Overview

OBSERVED_ADDRESS

OBSERVED_ADDRESS

QUIC server

Frames (#40)

- sent every time
  - a new path is established
  - the remote address changes (i.e. NAT rebinding)

```
OBSERVED_ADDRESS Frame {
    Type (i) = 0x9f81a6..0x9f81a7,
    Sequence Number (i),
    [ IPv4 (32) ],
    [ IPv6 (128) ],
    Port (16),
}
```

Extension Negotiation ([#41](#41))

Negotiated using the *address_discovery* transport parameter:

- **0**: I can provide observations, but don't send me any
- **1**: I want to receive observations, but can't send any
- **2**: I want to receive observations, and I can provide observations

Alternative:

- negotiating the extension always means (2)