

# RTC-Web NAT Traversal

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IETF 81

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# NAT Traversal

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A combined view of:

- draft-cbran-rtcweb-nat
- draft-kaufman-rtcweb-traversal

Common Themes:

For RTC-Web client applications

- Behind a NAT: ICE [RFC5245] is REQUIRED
- On the public internet: ICE-LITE is REQUIRED and Full-ICE MAY be supported

Security - Kaufman

RTC-Web client applications are:

- REQUIRED to encapsulate the generation of STUN transaction IDs
- REQUIRED to restrict access to the STUN transaction IDs

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Open Issue - Implementation of ICE

- Kaufman - STUN APIs in browser, ICE as JavaScript Library that uses browser's STUN APIs
- Bran - ICE APIs exposed through browser

General sentiment of the authors is answering the question of whether ICE is implemented in JavaScript or within the browser is out of scope for this WG and propose moving the discussion into the W3C WebRTC WG

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Aside from the open issue it is clear from the drafts that there is agreement that ICE is the on the wire protocol

Proposal is to merge the drafts as a 01 version of draft-cbran-rtcweb-nat and adopt it as a group working document

The merged document will:

- Expunge JS narrative/commentary and bring it up on the W3C list
- Integrate the security considerations of the Kaufman draft