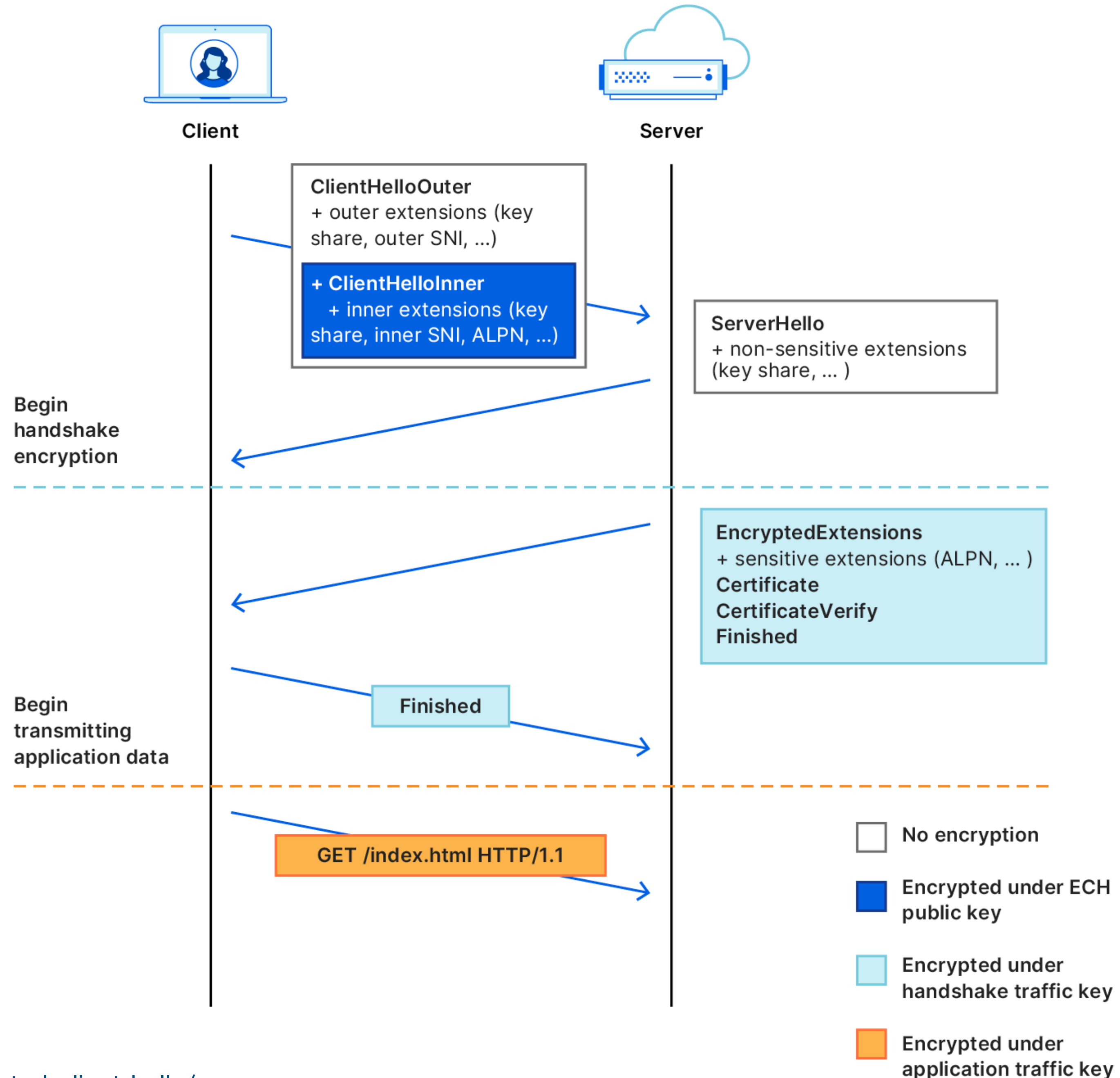


# Encrypted Client Hello

`draft-ietf-tls-esni`



# Recap

## Status update

**draft-ietf-tls-esni-13** is the current interop and deployment target

Open issues parked:

- Handshake padding
- Revisiting acceptance/rejection signal and HRR GREASE
- ECHConfig extensibility

**Plan:** Seek resolution once we gain deployment experience

# Interop

## Status update

Known implementations tracked in the wiki

- BoringSSL: -13
- OpenSSL fork: -13
- NSS: -13 (nearly complete)
- Go fork: -13
- rustls: -10 (-13 underway)

**Request:** add your implementation to the wiki

# Implementation Red Flags

## Status update

Several sharp edges

- DNS dependency and plumbing can be non-trivial (who parses ECHConfig?)
- ECHConfig.public\_name IP address parsing is non-trivial (WHATWG? Something else?)
- ECH split-mode and HRR is challenging on the server side
- ... what else?

**Request:** start compiling sharp edges [in the wiki](#)

# Encrypted Client Hello

`draft-ietf-tls-esni`