```
cl http::http session base
           + ~http session base()
           + run()
           + getPort()
           + setBody()
           + setHeaders()
           # on resolve()
           # fail()
           # on connect()
           # on write()
           # on read()
           # on handshake()
           # on shutdown()
                         cl_http::ssl_http_session
                          - kPort
cl_http::http_session
                          - onResponse
- kPort

    resolver

- onResponse

    stream

    resolver

                          - buffer
- stream_
                          - req

    buffer

                          - res
  req
                          + ssl http session()
                          + ~ssl http session()
+ http session()
                          + run()
+ ~http session()
                          + getPort()
                          on_resolve()
+ getPort()
                          - fail()
- on resolve()
                          - on connect()
                          - on handshake()
- on connect()
                          - on write()
- on write()
                          on_read()
- on read()
                          - on shutdown()
setBody()
                          - setBody()
- setHeaders()
                          - setHeaders()

    appendToHeader()
```

res

+ run()

fail()