```
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

    resolver

  onResponse
                          - stream
  resolver

    buffer

- stream
                            req
  buffer
                          - res
                          + 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()
```

**kPort** 

req

res

+ run()

fail()