

ThriftIntegrationConventions

Thrift Integration Conventions

Thrift is designed to be pluggable at various levels of the stack. This page is meant to describe conventions for integrating Thrift into other systems.

HTTP

- Thrift messages should be sent over HTTP/1.1 with Content-Length headers on both the request and response.
- Thrift messages should be sent over HTTP POST.
- The request should be the POST body. No mime or url encoding should be used, just raw bytes.
- The response should be the HTTP response. Again, raw bytes.
- The Content-Type header for both request and response should be "application/x-thrift".
- No framing should be used within either the request or response.
- oneway requests should not be used over HTTP.

These conventions are followed by multiple HTTP classes in the Thrift source tree.

SSL

- TODO

SASL

- TODO

ZeroMQ

- Normal Thrift calls should be made over REQ/REP sockets.
- oneway requests can be made over PUSH/PULL or PUB/SUB sockets.
- The request and response should be the entire content of the zmq message: no framing or encoding.

These conventions are followed by the patches at <https://issues.apache.org/jira/browse/THRIFT-812> .