**Envoy Communication Module**

High Level Architecture Diagram

SERVER

ALB

Redis

HTTP

HTTPS

Download API

Upload API

Nginx

PGSQL

Nodejs

WSS

HTTP

Download API

Upload API

Nodejs

CLIENT

PGSQL

Envoy Communication Sequence Diagram

Tasks

**Source**

Events

confirm ack

finish ack

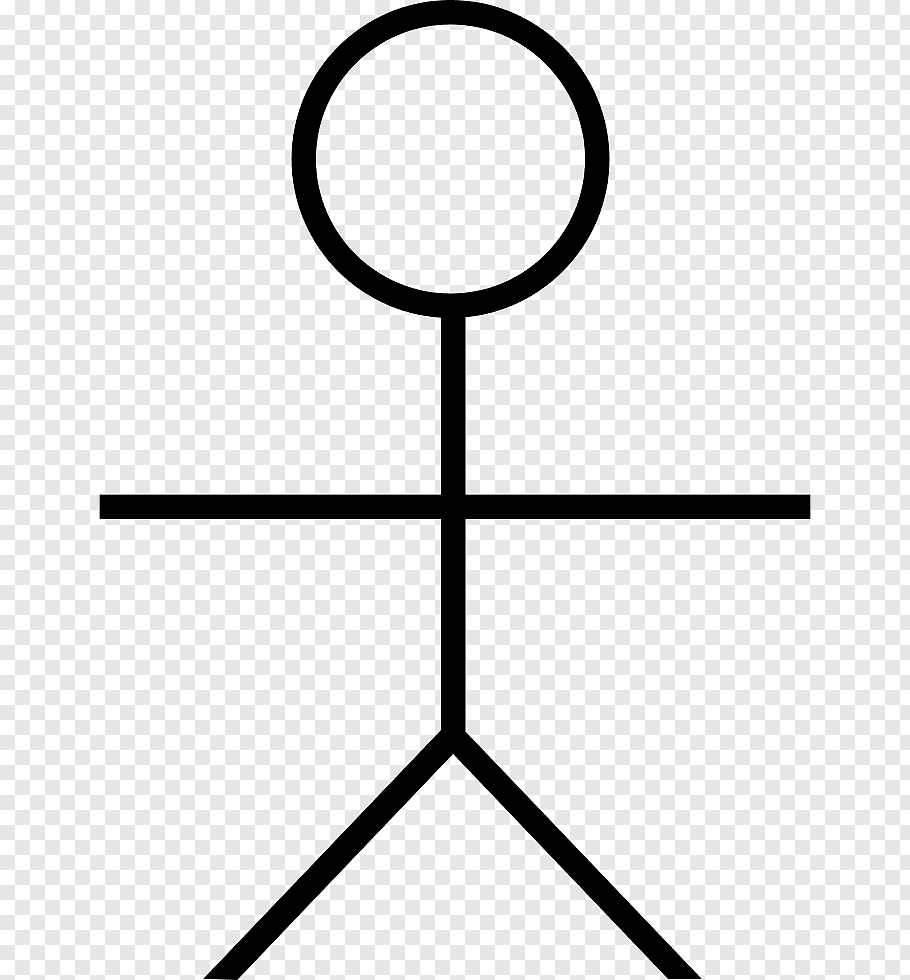
send

resend

upload verify

split

upload



finish

confirm

split failed

hash verified

split success

hash verify

success/

failure

success/failure

send total files

finish error

finish failed

packet missing or hash failed

finish success

confirm failed

**Destination**

confirm

download

resend

verify

finish

send

shared

shared

verified

received with hash failed or received with packet missing

received