



Posts

December 2025



Post (Message)

- Posts are messages between tachyons.
- Has Header:
 - Time, ID
 - Origin, Target
 - Cause
- Shall be cloneable with new header.
- Ref Counted (so use Ref<P>)
- Objects (with meta)
 - YQ_OBJECT_DECLARE/
YQ_OBJECT_IMPLEMENT
- General Post Types:
 - Command
 - Event
 - Request
 - Reply
 - Message (underutilized)



Post Types

- Command
 - Directive to perform
 - Cannot be ignored unless impossible
- Request
 - Please do/get something
 - **May** be ignored for various reasons (user cancels, out of bounds, etc)
- Event
 - Notification
 - Input/Changes
- Reply
 - Response to request
 - Carries pointer to request



Post Sending

- Create post
 - new SomeCommand
 - Submit header & data
- Subscriptions, and/or
 - Pub/Sub ... usually events
- Specify target
 - Direct, for commands/requests
- Send to others/subscribers
 - Tachyon::send()
- To one's self (tachyon)
 - Tachyon::mail()



Post Receiving

- Tachyon Inbox
 - Processed each cycle
 - **BEFORE** setup/tick/teardown
- Advising
 - Called before dispatch, allows tachyon to reject/accept/forward posts. (ie, to a sub/pub group)
- Slots
 - Register in init_meta
 - Primary way to receive posts
 - By reference, or by Ref pointer
 - Use base for all messages of type (ie, input events)
- Unclaimed handler for leftovers.

