

Networking

Server

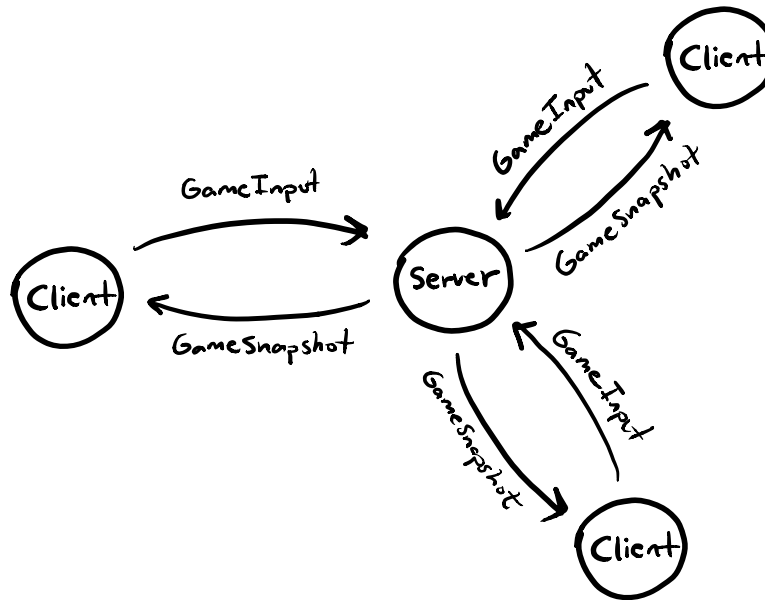
loop:

- Process client inputs
- Update game world
- Send a snapshot of game world to clients

Client

loop:

- Send inputs to server
- Render game world snapshot from server



Packets

Objects that can be sent over the network.

Currently we only have two packets:

GameInput

- Movement
- Attack (TODO)

GameSnapshot

- Contains the state of the game world at an instant in time
- Contains positions, shapes, and other necessary info for entities

ECS

- Serves as the game world simulator
- The server and each client will have their own instance of an ECS running.
- The server records the state of its game world by calling `Ecs.Registry.Snap()`, which creates a `GameSnapshot` packet.

- The client receives the GameSnapshot packet and updates its own ECS registry to match the packet