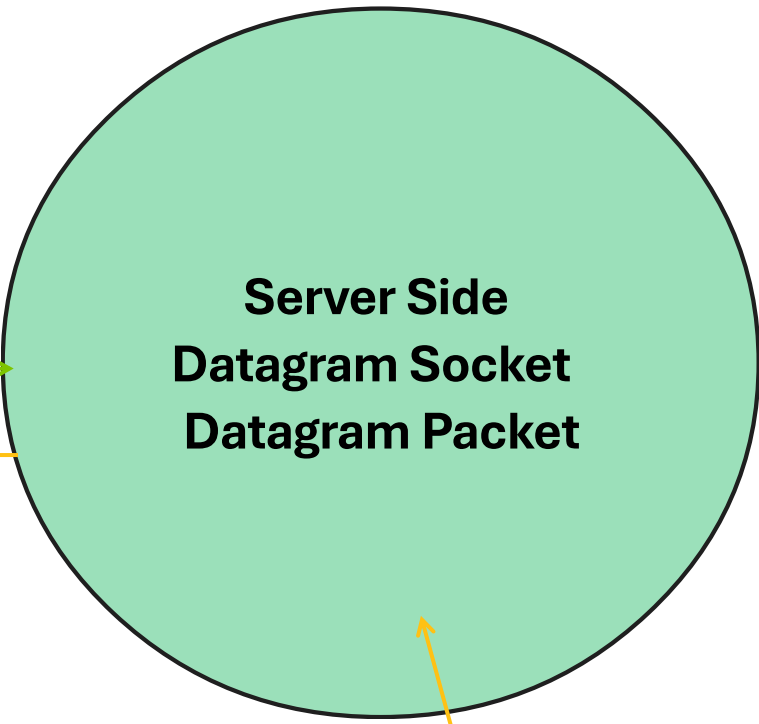
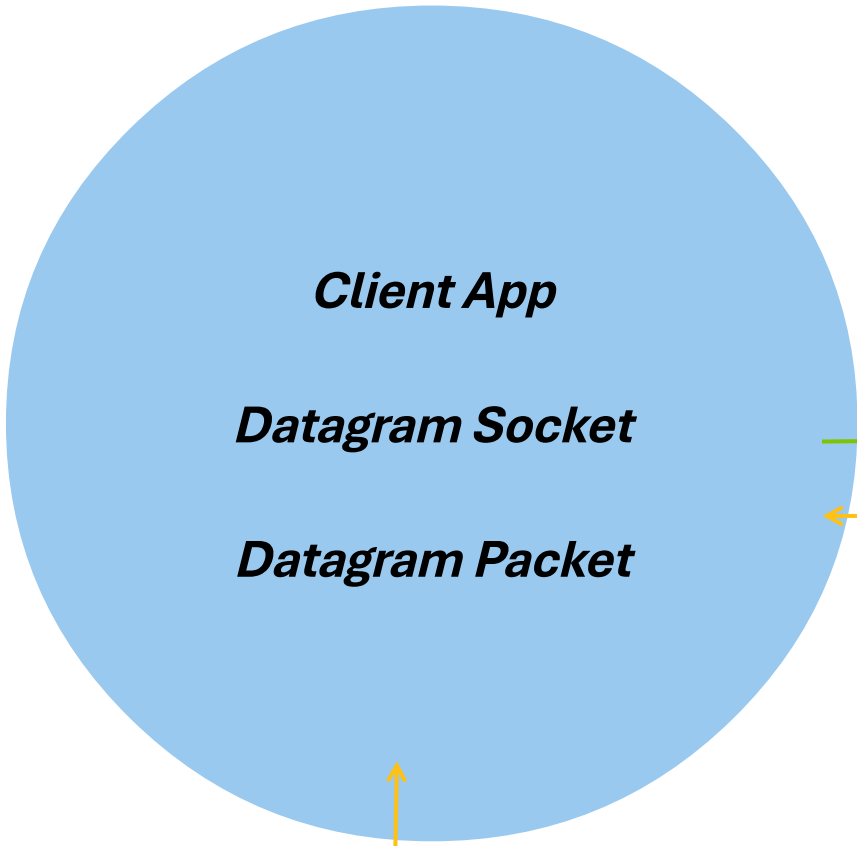


Client PORT 2001 – A designated port number assigned to the client for receiving data from the server.

Server PORT 2000

UDP :  
User datagram protocol



DP — Datagram Packet  
On the client side, the following information is required:  
Destination details, including the server's IP address and port number.

DS — Datagram Socket  
Using datagram sockets,

At the server side, the datagram socket listens for incoming datagram packets from clients.

DP (Datagram Packet) – Provides methods for efficiently sending and receiving data over the network without requiring a

Client sends a message to the server.

The server processes the message, reverses it, and sends it back to Client PORT 2001.

One-way communication using the UDP Protocol:  
The server continuously transmits data, and the client receives it without acknowledgment.

This method is commonly used in real-time applications like live streaming, where occasional packet loss does not significantly impact the overall experience.