patient p

Client

patient 2

patient 1

…

channel 1

Server

channel 2

channel p

Server

Chan. 1

Chan. 2

Chan. w

…

Client

Request Buffer

worker 1

worker 2

Worker w

patient 1

patient p

patient 2

…

…

Server

Chan. 1

Chan. 2

Chan. w

…

Client

Request Buffer

worker 1

worker 2

Worker w

patient 1

patient p

patient 2

…

…

HistogrmCollection

Server

Chan. 1

Chan. 2

Chan. w

…

Client

Request Buffer

worker 1

worker 2

Worker w

File Request Thread

…

File