

HTTP Server Cluster

HBase

WebSocket Connect

Record user info,

User unique ID,

IP address

Chat-room group

Hi! How are you?

Kafka

query userB info and create chat-room info

HBase

Create chat-room, named as chatroom1

(unique)

Update chatroom1 user group

Ex. chatroom1 contains userA and userB

Maybe different server

REST is stateless



HBase



HTTP Server Cluster

Hi! How are you?

backup

Flume

SSE

Hi! How are you?

REST

Kafka

HBase

Update userB IP address,

And query total chat-rooms

for Kafka query



HBase



HTTP Server Cluster

SSE

WebSocket Connect

query

update & query