Why cloud computing?

Chat app:

* What does it need to do?
  + List all contacts
  + Get all messages from contact
  + Highlight new messages from contact
  + Send message to contact
  + Set own profile picture
  + Get profile of contact
* How many programs do we need?
  + Client/server app: typically, there are two programs:
  + Client: in our chat application, mostly in charge of the user interface, plus (possibly) some basic computation
  + Server: it provides services for our client application. These services include the program logic for sending/receiving messages etc.
  + Client/server communication: they use application-level protocols to exchange requests/responses. In our chat application, this will be HTTP. In WhatsApp, this is XMPP rather than HTTP