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| --- | --- | --- |
| FTTP | Cyberduck | User |
| HTTPs | www.just.edu.jo | Student |
| SMTP | Google mail (Gmail) | Gmail Users |
| LAN | home Network | Any connected device |
| WAN | internet | Any connected device |

Q2   
eXtensible Messaging and Presence Protocol is used to massaging in whatsapp. and all working in  depends on this protocol.

* WhatsApp starts and opens two sockets: One to listen on and one to send a message to the server.
* WhatsApps starts listening on the first socket.
* WhatsApp sends a message containing your phone number and the port of the listening socket to the server and waits for an acknowledgement.
* The server records the phone and port numbers in the message and the IP address that the message came from.
* The server sends an acknowledgement to the app.
* The app receives the acknowledgement and closes the message socket.
* A message with your phone number as the destination comes into the server.
* The server uses the IP address and port number it has associated with your phone number and uses that information to push the message to your phone.