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It is now a well known fact that internet is a part and parcel of life for todayâ€™s generation as well as the elderly people. Now it is rather difficult to think of everyday life without the internet. It is also needless to mention that with the advent of the internet, the online mode of communication has also become much easier. Nowadays, sending and receiving emails take only a few seconds. But did you ever give it a thought that how come the email communication is happening so quickly within a few seconds when the sender and receiver of the emails are sitting nearly half the world apart?

Well the answer lies with the special software known as the smtp server. Usually all forms of communication via the internet is done through the help of client server connectivity. Whenever you send a email to any person, the client server system connects to your smtp server which is located in some remote place in a centralized computer system that manages some specific services. It is responsible for sending emails.

This smtp then sends the mail to the smtp of the recipient so that the email is delivered at the specific destination after passing through some complicated steps. It is well known that the email always contain two addresses, one that of the receiver and the other that of the sender. When you send an email, the client server system connects with the smtp server of the senders and transmit the email. Next this server than locates the domain of the recipient through the email address. If the domain of the recipient and the sender are the same, the process becomes simpler and easier.

The domain is the unique web address that is also known as the Internet protocol or the IP address. There is a link between the IP Address and the domain names that are all pre-stored in the Domain Name Registry or the DNS. The smtp connects to the DNS to check the address. Once the email address is verified, the email is then transferred to the POP3 or the IMAP server. These servers keep the emails stored with them unless the user logs in with his unique user name and password to check the emails received in the inbox.

In other words, this is the most simplest version of how the email servers work at the background and why the emails reach their destinations so quickly.

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Lee Rio - About Author:
Rio Lee, who is a Software Developer write articles on a smtp server and a SMTP. For more information he suggests to visit a http://www.smtp.dk/.

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