

Multi Chat Application based on Qt-X11 G11 ARM Linux

Shrawankumar Udayraj Patel¹ and Dr. Kirti Muley²

Student, Bharati Vidyapeeth, Navi Mumbai, Maharashtra, India ¹

Assistant Professor, Bharati Vidyapeeth, Navi Mumbai, Maharashtra, India²

Abstract: *Today's world is internet connectivity, everyone is connected to from one to another either by means of social site like Facebook, twitter or LinkedIn for promotion or for searching jobs. But when it comes for office environment intranet communication is very crucial. Organization workings flow depends on employees' ability to quickly ask for and receive information. Instant messaging allows us to communicate with others in real time, with no delays. Messaging system helps to increase team productivity and also cut the inefficient overhead and operating expenditures. This paper is for, the Qt Framework setup with ARM complier, development of software, recompiled in kernel and migration from X86 to ARM. X86 and ARM are the two major Processors hogging the CPU market, ARM Processors deployed in mobile Devices where size, power consumption, speed matters. The ARM processor is the right choice for IOT application, because the embedded system needs to be connected to all equipment, and it should be a little sized.*

Keywords: QT Creator Application, Network Application, Server-client Technology, P2P Technology, Socket Programming.

REFERENCES

- [1]. Mastering Qt5 second Edition -- by Guillaume Lazar and Robin Penea.
- [2]. <https://www.scientific.net/AMR.926-930.1906>.
- [3]. <https://docs.huihoo.com/qt/4.7/qtcpserver.html>
- [4]. https://www.bogotobogo.com/Qt/Qt5_QTcpServer_Client_Server.php.
- [5]. <https://www.geeksforgeeks.org/simple-client-server-application-in-c>.
- [6]. <https://www.educba.com/arm-vs-x86/>.
- [7]. https://www.acmesystems.it/arm9_toolchain.
- [8]. <https://www.geeksforgeeks.org/what-is-p2ppeer-to-peer-process/>
- [9]. <https://www.geeksforgeeks.org/socket-programming-cc/>
- [10]. <https://www.geeksforgeeks.org/scp-command-in-linux-with-examples/>