

CROSS COMPILING RASPBERRY PI REMOTELY TO A WINDOWS MACHINE

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Abstract

Among the recent technological advancements Raspberry Pi Single Development board is one, which is going to change the way in which computers running on linux can be used. An asset of using Linux over Windows on Raspberry Pi is that it is not commercial. Owing to the enormous applications that Raspberry Pi has, it is limited by the RAM resources in certain applications. In order to overcome this stricture we adapt a technique called as Cross compiling. Cross compiling is a process effectuated by using a compiler capable of creating executable for a platform other than the one on which the compiler is running. To ease the process carried out during cross compiling a SSH server is being established on a Windows Machine.

Keywords : Raspberry Pi, Linux, Cross Compiling, SSH server, Xming