Embedded Development Tools

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Introduction

This lab introduced us to the embedded development tools we can use to program the myRIO. We briefly went through the setup and deployment of a hello world app using the Microblaze processor in Xilinx SDK, using the myRIO processor using Eclipse, and using the myRIO processor using LabVIEW.

Analysis

3.1 Connect to and Configure myRIO

To setup and configure the myRIO was straightforward and had plenty of screenshots and documentation. This made the configuration very easy.

3.2 Program MicroBlaze from Xilinx SDK

Using the Xilinx SDK was mostly straightforward. It was a little unclear that we had to unplug the usb cable from the myRIO and plug it into the JTAG. Besides that we didn't run into any troubles.

3.3 Program the myRIO Processor from Eclipse

3.4 Program the myRIO Processor from LabVIEW

Conclusion