Resources Documentation

Resources used with description

This is documentation on all resources used for researching different project topics. this document will provide a title related to the research the resource is good for along with a link to the resource and what it was used for.

Device tree usage

https://elinux.org/Device_Tree_Usage

This resource was used to help understand what a device tree is its concepts and how they are used to describe a machine along with how to create one.

Understanding a device tree

https://docs.amd.com/r/en-US/ug1144-petalinux-tools-reference-guide/Configuring-Device-Tree for configuring device trees

https://elinux.org/images/f/f9/Petazzoni-device-tree-dummies_0.pdf

Gives basic overview of device trees. contents of this include user perspective, basic device tree syntax and compilation, example of device tree fragment, overall organization of a device tree, examples of device tree usage, and finally general considerations about the device tree in Linux.

Creating Vivado Project

https://docs.amd.com/r/2022.2-English/Vitis-Tutorials-Vitis-Platform-Creation/Create-Vivado-project

Building ADI Linux Kernel

https://wiki.analog.com/resources/tools-software/linux-drivers-all#maintenance_and_support

ARDV9002 Driver download

https://wiki.analog.com/resources/tools-software/linux-drivers/iio-transceiver/adrv9002

AMD Downloads

https://www.xilinx.com/support/download/index.html/content/xilinx/en/downloadNav/vitis/archive-vitis.html

used for the downloads of Vitis, Vivado, and Petalinux. all are used to build the project.

Building with Petalinux

github.com
https://github.com/analogdevicesinc/meta-adi/tree/main/meta-adi-xilinx

Steps to build with petalinux

Video Links

Miscellaneous links
https://devhints.io/bash
Linux_bash_cheat_sheet.pdf
used to help with learning bash commands

PetaLinux Yocto Tips - Xilinx Wiki - Confluence (atlassian.net)
Yocto Tips

https://docs.amd.com/r/en-US/ug1144-petalinux-tools-reference-guide/Booting-a-PetaLinux-Image-on-Hardware-with-JTAG

https://www.zachpfeffer.com/single-post/2018/05/10/which-linux-kernel-is-petalinux-tools-using

docs.github.com
https://docs.github.com/en/authentication/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-add...

Steps on how to generate a SSH key for github to install certain dependencies

https://learning.edx.org/course/course-v1:UTAustinX+UT.6.10x+3T2022/home?utm_source=braze&utm_medium=email&utm_campaign=enrollmentconfirmation&utm_content=English+Email
Embedded systems course to learn basic materials

https://askubuntu.com/questions/178712/how-to-increase-swap-space
how to increase swap space