# Setup

## Install GitHub for Windows

### GitHub info

<https://windows.github.com/>

### Installer is Here:

<https://github-windows.s3.amazonaws.com/GitHubSetup.exe>

Install gitHub, and configure user name and email address. Configure bash as the power shell

## Understanding Make files

<https://www.gnu.org/software/make/manual/html_node/Makefiles.html>

## Tools Setup for Vivado

### Open git shell

### Open Windows command shell and configure env variables

CALL c:\Xilinx\Vivado\2014.2\settings64.bat

TODO – set up PATH variable for make to msys in vivado\_hls – below only works in bash

export PATH=/c/Xilinx/Vivado\_HLS/$VER/msys/bin:$PATH

### Make sure it’s working

Git config

make

vivado -help

vivado\_hls -h

xsdk.bat

## Directory Structure

## Source Files

### HDL

### Scripts

### XDC Constraints

### Simulation Testbenches

### CPP

# RTL Projects

# IP Instantiated with RTL

# IPI Integrator

# Packaged Custom RTL IP with IPI

# System Generator Projects

# HLS

# Other - TBD

## DCP

## EDK/XPS

# Appendix A: Solutions