

U-boot Build Flow Update

The hierarchy for U-boot has been altered since the last release of the Ubuntu tutorial, which is incompatible with the documented steps. This package provides an interim solution to bridge the gap to build U-boot with the 2015.3 release until the posted projects are updated.

Supplied Files

The files in this package are as follows for the Zynq Mini ITX 7045/7100. They replace the **boot_source/u-boot** files from the original Ubuntu package.

Kconfig: Configuration file adds the Zynq Mini-ITX as a supported board.

zynq_mitx.h: Adds a default u-boot configuration for the Zynq Mini-ITX.

zynq_mitx_defconfig: Adds the Zynq Mini-ITX to u-boot targets.

zynq_mitx.dts: Adds a device tree for the Zynq Mini-ITX.

Makefile: Adds the new device tree to the tool chain.

To Build U-boot:

1. On your Linux host, clone the archive:

```
$ git clone git://github.com/Xilinx/u-boot-xlnx.git
```

2. Check out the branch (version) you want to build. Often versions of u-boot move in lock-step with versions of Linux. For example, for the 2014.4 Xilinx tool version, use:

```
$ git checkout -b my-v2015.3 xilinx-v2015.3
```

3. Add/Replace the Supplied Files in the u-boot hierarchy to the locations highlighted below:

```
# On branch my-v2015.3
# Changes not staged for commit:
#   (use "git add <file>..." to update what will be committed)
#   (use "git checkout -- <file>..." to discard changes in working directory)
#
#       modified:   arch/arm/dts/Makefile
#       modified:   arch/arm/mach-zynq/Kconfig
#
# Untracked files:
#   (use "git add <file>..." to include in what will be committed)
#
#       arch/arm/dts/zynq-mitx.dts
#       configs/zynq_mitx_defconfig
#       include/configs/zynq_mitx.h
```

4. From the top level of the u-boot hierarchy, set the default configuration for the Zynq Mini-ITX.

```
$ make zynq_mitx_config
```

5. Build u-boot.

```
$ make
```