

MTD - Assignment

Zilogic Systems

1. MTD Partitions

Boot the system using NFS root filesystem. Find out the device name for the DataFlash device from `/proc/mtd`. Re-boot into U-Boot and create partitions, as shown below

Size	Name
0x4200	bootstrap
0x4200	env
0x39c00	u-boot
0x1ce000	kernel
0x210000	fs

2. Empty Filesystem

Create an empty JFFS2 filesystem, by erasing the partition and mount the empty filesystem. Create some files, and check for the persistence of the files.

3. JFFS2 Image

Create a JFFS2 image on the host with some files, copy and flash the image on to the target. And mount the filesystem on the target.

4. JFFS2 as Root Filesystem

- Create a JFFS2 image on the host with files in `/home/resources/tools/ramdisk`, copy and flash the image on to the target.
- Mount the filesystem on the target and check the filesystem.
- Re-boot into U-Boot, set the boot args to indicate the flash as the root filesystem. And boot into the kernel with JFFS2 as root filesystem.