# Building GNU/Linux Distribution for RaspberryPi Using the Yocto Project

This README file contains information on building the meta-up-board BSP layer.

**meta-up-board BSP layer:**

**Supported hardware versions for Yocto 2.5 (sumo)**

* Clone Poky using Git
* Clone meta-intel.git
* Clone layers for OE-core universe for Sumo
* Clone meta-virtualization and openembedded-core for Docker containers
* Clone UP Board BSP layer for Sumo

**Yocto image for each UP machine**:

* Building your Yocto image for UP machine

**Bootable USB flash device:**

* :Booting the live USB image

#dd if=core-image-sato-up-board.hddimg of=/dev/sdf

#sync, #eject /dev/sdf

* Connectivity firmware is included to enable WiFi and Bluetooth for UPCorePlus boards

**Connecitvity firmware**

## WiFi

\* Scan your available WiFi networks:

Bluetooth:

\* systemctl restart firmware-ampak-ap6355.service

\* rfkill unblock bluetooth

\* hciconfig hci0

\* hcitool scan

\* [https://up-board.org/#upcommunity](https://up-board.org/" \l "upcommunity)

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