

Porting of drivers/usb/musb/sunxi.c

May 25, 2017

1 Introduction

The driver drivers/usb/musb/sunxi.c was introduced in 2013 in the commit 744543c. It DOES WHAT? This driver was accompanied by WHAT other files. Gcc produces HOW MANY errors/warnings that reduce to HOW MANY errors/warnings.

2 of_usb_get_dr_mode

Gcc reports that the function of_usb_get_dr_mode is not known. We try the following patch query (step1.cocci):

```
@bad depends on after@
@@

    of_usb_get_dr_mode
    (...)

@depends on !bad@
@@

- of_usb_get_dr_mode
  (...)
```

There is only one result, 06e7114 at 18%. From multiple examples, the case closes to ours is from drivers/usb/phy/phy-tegra-usb.c, indicating that the change should be as follows:

```
@@
identifier np;
expression pdev;
@@

    struct device_node *np = pdev->dev.of_node;
    <...
- of_usb_get_dr_mode(np)
+ usb_get_dr_mode(&pdev->dev)
    ...>
```

Actually, most calls to of_usb_get_dr_mode have a dereference expression inlined in the argument, but there is one that matches exactly our case.

This change is also made in our code.

=== success 1/1, 744543c