Linux Kernel Safety RuleDB - Feature #3313
134: Error handling for critical functions in probe()

07/31/2012 09:40 PM - Mikhail Mandrykin

<table>
<thead>
<tr>
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<th>New</th>
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<td>Due date:</td>
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<td>Assignee</td>
<td>Mikhail Mandrykin</td>
<td>% Done:</td>
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**Description**

There are several "critical" functions that should normally cause probe() to return nonzero value in case of unsuccessful call. Possible examples are dma_set_mask and usb_register_dev.

Sample commit in linux_stable fixing error handling for dma_set_mask: eb9a2a9.

**History**

#1 - 09/26/2014 07:16 PM - Vitaly Mordan

Unnecessary headers

```c
#include <linux/usb.h>
#include <linux/netdevice.h>
```

may cause Aspectator to failed at 'instrumentation' stage (for example, module drivers/media/usb/gspca/gspca_main.ko, kernel 3.16-rc1).

#2 - 10/02/2014 06:17 PM - Vitaly Mordan

Unnecessarysemicolon in define:

```c
around:    define(usb_register(driver)) {
            ldv_usb_register();
        }
```

This causes Aspectator to failed, for example, at 'drivers/usb/core/usbcore.ko' module.