

Linux Kernel Safety RuleDB - Feature #3313

134: Error handling for critical functions in probe()

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

Status:	New	Start date:	07/31/2012
Priority:	Normal	Due date:	
Assignee:	Mikhail Mandrykin	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Published in build:			
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

```
#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

Unnecessary semicolon in define:

```
around: define(usb_register(driver)) {
```

```
ldv_usb_register();
```

```
}
```

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