

**Calculate Linux - Bug # 632:** ÐŸÑ€Ð³¼Ð±Ð»ÐµÐ¹¼Ñ‹ (Ñ•Ñ•ÐµÑŸ, ÐµÐ²Ð²¼Ð¹ Broadcom Ð, Ð--Ð·Ñ•ÑŸ, Ð°ÑŸ€¾¼Ÿ

<b>Status:</b>	New	<b>Priority:</b>	High
<b>Author:</b>	ÐœÐ,Ñ...Ð°Ð,Ð» Ð“Ð°Ð³Ð°ÑƒÐ.	<b>Category:</b>	
<b>Created:</b>	01/19/2014	<b>Assignee:</b>	Alexander Tratsevskiy
<b>Updated:</b>	11/20/2014	<b>Due date:</b>	

[illegible]

ĐỖŃĐĐ³Đ±Đ»ĐĐĐ¼Ńf ŃĐĐĐŃ•Đ,Đ» ŃĐĐ•Đ,Đ¼Đ•Ń•Ń•Đ•Đ,ŃĐĐ³¼Đ²Đ•Đ  
Đ¼ĐĐŃ•Ń,Đ•Đ±Đ,Đ»ŃŒĐ½ŃfŃŽ Đ²ĐĐŃŃŃ•Đ,ŃŽ @=net-wireless/broadcom-sta-6.30.223.141@

$$\begin{aligned} & \mathcal{D}\mathcal{C}\mathcal{D}^{\circ}\mathcal{D}^{\circ}\mathcal{D}\mathcal{T}\mathcal{E}\mathcal{D}\mu, \quad \mathcal{D}_{\mathcal{Z}}\mathcal{D}^{\frac{3}{4}}\tilde{\mathbf{N}}\bullet\mathcal{D}^{\circ}\mathcal{D}^{\frac{3}{4}}\mathcal{D}\gg\tilde{\mathbf{N}}\mathcal{C}\mathcal{E}\mathcal{D}^{\circ}\tilde{\mathbf{N}}f \quad \mathcal{D}^2 \quad \mathcal{D}'\mathcal{D}\mu\tilde{\mathbf{N}}_{,,}\mathcal{D}^{\frac{3}{4}}\mathcal{D}\gg\tilde{\mathbf{N}},\mathcal{D}^{\frac{1}{2}}\mathcal{D}^{\frac{3}{4}}\mathcal{D}^{\frac{1}{4}} \quad \tilde{\mathbf{N}}\bullet\mathcal{D}'\tilde{\mathbf{N}}\in\mathcal{D}\mu \quad \mathcal{D}^2\mathcal{D}^{\circ}\mathcal{D}\gg\tilde{\mathbf{N}}\tilde{\mathbf{Z}}\tilde{\mathbf{N}}\ddagger\mathcal{D}\mu\mathcal{D}^{\frac{1}{2}}\tilde{\mathbf{N}}\mathcal{C} \\ & \mathcal{D}^{\circ}\mathcal{D}\gg\tilde{\mathbf{N}}\tilde{\mathbf{Z}}\mathbf{N}\ddagger\mathcal{D} : \end{aligned}$$

@B43@, @SSB@, @MAC80211@, @PREEMPT\_RCU@, Đ, Đ¿ÑЄĐ, Đ-Đ°Đ³ÑЄÑƒĐ-Đ°Đµ Ñ-Đ°ÑЄĐ°  
Đ¿Đ³⁄Đ°Đ³ÑЄÑƒĐ¶Đ°ŽŹ,Ñ-Ñ• Ñ-Đ³⁄Đ³Ñ,Đ²ĐµŹ,Ñ-Ñ•,Đ²ÑƒŹŹÑ%Đ,Đµ Đ¹⁄Đ³⁄Đ°ÑƒĐ»Đ, -  
Đ¿ÑЄĐ,Ñ°Đ»Đ³⁄Ñ-ÑЄ Đ¿ÑЄĐ,Đ¹⁄ĐµĐ¹⁄Đ,Ź,ÑЄ Ñ...Đ,Ź,ÑЄĐ³⁄Ñ-Ñ,ÑЄ - Đ²Ñ-Đ³ÑЄÑƒĐ¶Đ°Ź,ÑЄ  
Đ¹⁄ĐµĐ¹⁄ÑƒĐ¶Đ°Ź-Đµ Đ¹⁄Đ³⁄Đ°ÑƒĐ»Đ, Đ, Đ-Đ°Đ³ÑЄÑƒĐ¶Đ°Ź,ÑЄ Đ¹⁄ĐµĐ³⁄Đ±Ñ...Đ³⁄Đ°Đ,Đ¹⁄Ñ-Đ¹⁄  
Đ¹⁄Đ³⁄Đ°ÑƒĐ»Đ Đ¹⁄Đ,Đ¶ĐµĐ¿ÑЄĐ,Đ²ĐµĐ°ĐµĐ¹⁄Đ²⁄Ñ-Đ¹⁄ Ñ-Đ°ÑЄĐ,Đ¿Ź,Đ³⁄Đ¹⁄:

```
*@# cat /etc/local.d/broadcom_sta_modules.start@*


```
>#!/bin/sh
```


```

```
/sbin/modprobe -rv b43 brcmsmac mac80211 bcma wl
/sbin/modprobe -v wl
</pre>
```

D'Ñ•Đµ Ñ•Ñ•Đ, Đ,Đ³Ñ€Ñ€ Ñ• @noload=...@ Đ² Đ¿Đ°Ñ€Đ°Đ°ĐµÑ•Ñ•Đ°Ñ... Ñ•Đ°Ñ€Đ° Đ, @blacklist@ Đ²  
@modprobe.d@ Đ½Đµ Đ°Đ»Đ, Đ°Đ¾Đ»Đ¶Đ½Đ¾Đ¾ Ñ•ĐµĐ°ÑƒĐ°Ñ€Ñ•Đ°.

[illegible]

```
*@# cat /var/calculate/templates/3.1/6_ac_install_patch/sys-kernel/calculate-sources/broadcom.config@*
<pre>
# Calculate format=openrc name=.config
```

```
#### For details see the net-wireless/broadcom-sta ebuild
## CONFIG_CHECK
CONFIG_B43=n
CONFIG_SSB=n
```

```
## CONFIG_CHECK2
#?pkg(sys-kernel/calculate-sources)>=2.6.29#
CONFIG_LIB80211=m
CONFIG_MAC80211=n
CONFIG_LIB80211_CRYPT_TKIP=m
#pkg#
```







$\nabla$ 

```


```

```
< usr/src/linux/kernel/Kconfig.preempt
```

```
config PREEMPT VOLUNTARY
```

```
bool "Voluntary Kernel Preemption (Desktop)"
```

help

This option reduces the latency of the kernel by adding more "explicit preemption points" to the kernel code. These new preemption points have been selected to reduce the maximum latency of rescheduling, providing faster application reactions, at the cost of slightly lower throughput.

This allows reaction to interactive events by allowing a low priority process to voluntarily preempt itself even if it is in kernel mode executing a system call. This allows applications to run more 'smoothly' even when the system is under load.

Select this if you are building a kernel for a desktop system.

```
config PREEMPT
```

```
bool "Preemptible Kernel (Low-Latency Desktop)"
```

```
select PREEMPT_COUNT
```

```
select UNINLINE SPIN UNLOCK if !ARCH INLINE SPIN UNLOCK
```

help

Select this if you are building a kernel for a desktop or embedded system with latency requirements in the milliseconds range.

Թ•Ն•Թ»Թ, Թ՞Ն,Թ¼•Ն,Թ¼ ՆֆԹԹԹԹԹԹԹՆ, Թ¹Թ՞ ԹչԹ»ՆՉՆ•Ն՛ Թ,Ն•ԹչԹ¼Թ»ՆԸԸԹ•Թ¼ԹԹԹԹԹ¼Թ,Ն• Թ,Թ¼ԹմԹ¼Թ¼Թ¼Թ¼ @CONFIG\_PREEMPT@ -  
 Ն• ՆֆԹԹ¼ԹԹԹ¼Թ»ՆԸԸՆ•Ն,ԹԹԹ,ԹմԹ¼ ԹչԹ¼ՆփԹ,Ն,Թ՞ՆՉ.

ÑfĐ²Đ°Đ¶Đ°ĐµĐ¼Ñ·Đ¹, Đ° Đ¼Đ³Đ¶Đ¶Đ½Đ³Đ½Đ³Đ³Đ²Đ,Ñ±Đ°Ñf Đ¿Đ³¿Đ Ñ∈Đ³¿Đ±Đ½ĐµĐµ? Đ´Đ»Ñ• 14Đ¹ ĐšĐ°Đ»ÑŒĐ°Đ, Đ½Đµ Đ²Đ,Đ´Đ,Ñ,Ñ•ĐµÑ,ĐµĐ²ÑfÑ...Ñf Broadcom BCM43227 802.11b/g/n