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ЕвÑ,ор:	Vladimir Berkut	КаÑ,ĐµĐ³Đ¾Ñ€Đ,Ñ•Calculate Linux	
Создан:	22.01.2010	Ð•Ð°Ð·Ð½Ð°Ñ‡ÐµÐ½Đ°:	
ĐžĐ±Đ½Đ¾Đ2Đ»ĐµĐ½	2₽¾01.2011	ДаÑ,а Đ²Ñ‹Đ¿Đ¾Đ»Đ½ĐµĐ½Đ ₃ Ñ•:	
Тема:			
ĐžĐ¿Đ _" Ñ•Đ°Đ½Đ _" е:	Please build conservative governor into kernel (or provide it to load as default governor, leaving it as module), because it will immensely reduce energy consumption on modern multicore or mobile devices.		
	CLD 10 default CPU governor is "performance" and is built-in. Perfomance just leaves system 100% running regardless of load.		
	Other governors (especially "conservative" and "on-demand") are done as modules,		
	config-2.6.31-gentoo-r6:		
	CONFIG_CPU_FREQ_GOV_PERFORMANCE=y		
	CONFIG_CPU_FREQ_GOV_PERFORMANCE=y CONFIG_CPU_FREQ_GOV_POWERSAVE=m		
	CONFIG_CPU_FREQ_GOV_FOWERSAVE=III CONFIG_CPU_FREQ_GOV_USERSPACE=m		
	CONFIG_CPU_FREQ_GOV_OSERSPACE=III CONFIG_CPU_FREQ_GOV_ONDEMAND=m		
	CONFIG_CPU_FREQ_GOV_ONDEMAND=III CONFIG_CPU_FREQ_GOV_CONSERVATIVE=m		
	@		
	but are not loaded (maybe due to all cpufreq drivers done as modules):		
	@	req unvers done as modules).	
	CONFIG_X86_ACPI_CPUFREQ=m		
	CONFIG_X86_POWERNOW_K8=m		
	CONFIG_X86_SPEEDSTEP_CENTRINO=m		
	CONFIG_X86_P4_CLOCKMOD=m		
	@		
	This results in default system to run on to	p performance, regardless of load, without utilization of cpu energy	
	saving features. This may be disaster for core i7 series or mobile/server cpus in matter of energy cost (didnt		
	have it at hand), and on c2d E5300 sys	tem results in 30% more energy consumption(70Watt vs 96Watt,	
	perfomance vs conservative, measured or	n-spot with device). http://dpaste.org/nBU5/	
		onservative" governor(switches far less often than on-demand) on,	
	on dual cpu systems:		
	(once)# emerge cpufreq		
	#modprobe acpi-cpufreq	andomend	
	#modprobe cpufreq_conservative cpufreq	_ondemand	
	(core 1)#cpufreq-set -c 0 -g conservative		
	(core 2)#cpufreq-set -c 1 -g conservative		
	Or you have to manually recompile the ke	rnel.	
	Please make power-management availab	le out-of-the-box.	
	Otherwise systems will not be able to go b	beyond C1.	

Calculate Linux - Feature # 81: CLD 10 default kernel does not support any cpu energy-saving features.

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ĐŸÑ,, 14 Ñ•Đ½Đ². 2011, 10:13:10 +0300 - Alexander Tratsevskiy

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In the Calculate Linux 10.9 and above is supported by setting cpufreq.