
Subject: [PATCH 2/10] BC: kconfig
Posted by [dev](#) on Thu, 05 Oct 2006 15:46:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

Add kernel/bc/Kconfig file with BC options and
include it into arch Kconfigs

Signed-off-by: Pavel Emelianov <xemul@openvz.org>

Signed-off-by: Kirill Korotaev <dev@openvz.org>

```
init/Kconfig      | 4 ++++
kernel/bc/Kconfig | 16 ++++++
2 files changed, 20 insertions(+)
```

--- ./init/Kconfig.bc_kconfig 2006-10-05 11:42:43.000000000 +0400

+++ ./init/Kconfig 2006-10-05 11:43:56.000000000 +0400

@@ -564,6 +564,10 @@ config STOP_MACHINE

Need stop_machine() primitive.

endmenu

+menu "Beancounters"

+source "kernel/bc/Kconfig"

+endmenu

+

menu "Block layer"

source "block/Kconfig"

endmenu

--- /dev/null 2006-07-18 14:52:43.075228448 +0400

+++ ./kernel/bc/Kconfig 2006-10-05 11:43:56.000000000 +0400

@@ -0,0 +1,16 @@

+config BEANCOUNTERS

+ bool "Enable resource accounting/control"

+ default n

+ help

+ When Y this option provides accounting and allows configuring
+ limits for user's consumption of exhaustible system resources.
+ The most important resource controlled by this patch is unswappable
+ memory (either mlock'ed or used by internal kernel structures and
+ buffers). The main goal of this patch is to protect processes
+ from running short of important resources because of accidental
+ misbehavior of processes or malicious activity aiming to ``kill"
+ the system. It's worth mentioning that resource limits configured
+ by setrlimit(2) do not give an acceptable level of protection
+ because they cover only a small fraction of resources and work on a
+ per-process basis. Per-process accounting doesn't prevent malicious
+ users from spawning a lot of resource-consuming processes.
