
Subject: [PATCH 2/10] BC: kconfig
Posted by [dev](#) on Thu, 05 Oct 2006 15:46:55 GMT
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Add kernel/bc/Kconfig file with BC options and
include it into arch Kconfigs

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```
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.
```
