
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.
```
