
Subject: [PATCH 2/7] BC: kconfig
Posted by [dev](#) on Tue, 29 Aug 2006 14:48:19 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      | 2 ++
kernel/bc/Kconfig | 25 +++++
2 files changed, 27 insertions(+)
```

```
--- ./init/Kconfig.bckm 2006-07-10 12:39:10.000000000 +0400
+++ ./init/Kconfig 2006-07-28 14:10:41.000000000 +0400
@@ -222,6 +222,8 @@ source "crypto/Kconfig"
```

Say N if unsure.

```
+source "kernel/bc/Kconfig"
+
+config SYSCTL
+    bool
```

```
--- ./kernel/bc/Kconfig.bckm 2006-07-28 13:07:38.000000000 +0400
+++ ./kernel/bc/Kconfig 2006-07-28 13:09:51.000000000 +0400
@@ -0,0 +1,25 @@
+#
+# Resource beancounters (BC)
+#
+# Copyright (C) 2006 OpenVZ. SWsoft Inc
+
+menu "User resources"
+
+config BEANCOUNTERS
+    bool "Enable resource accounting/control"
+    default n
+    help
+
+    When Y this option provides accounting and allows to configure
+    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 an accidental
+    misbehavior of processes or malicious activity aiming to ``kill"
```

+ the system. It's worth to mention that resource limits configured
+ by `setrlimit(2)` do not give an acceptable level of protection
+ because they cover only 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.
+
+endmenu
