
Subject: [PATCH 1/6] BC: kconfig
Posted by [dev](#) on Wed, 23 Aug 2006 10:59:31 GMT
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Add kernel/bc/Kconfig file with BC options and
include it into arch Kconfigs

Signed-off-by: Pavel Emelianov <xemul@sw.ru>
Signed-off-by: Kirill Korotaev <dev@sw.ru>

```
arch/i386/Kconfig | 2 ++
arch/ia64/Kconfig | 2 ++
arch/powerpc/Kconfig | 2 ++
arch/ppc/Kconfig | 2 ++
arch/sparc/Kconfig | 2 ++
arch/sparc64/Kconfig | 2 ++
arch/x86_64/Kconfig | 2 ++
kernel/bc/Kconfig | 25 +++++
8 files changed, 39 insertions(+)
```

```
--- ./arch/i386/Kconfig.bckm 2006-07-10 12:39:10.000000000 +0400
+++ ./arch/i386/Kconfig 2006-07-28 14:10:41.000000000 +0400
@@ -1146,6 +1146,8 @@ source "crypto/Kconfig"
```

```
source "lib/Kconfig"
```

```
+source "kernel/bc/Kconfig"
```

```
+
#
# Use the generic interrupt handling code in kernel/irq/:
```

```
--- ./arch/ia64/Kconfig.bckm 2006-07-10 12:39:10.000000000 +0400
+++ ./arch/ia64/Kconfig 2006-07-28 14:10:56.000000000 +0400
@@ -481,6 +481,8 @@ source "fs/Kconfig"
```

```
source "lib/Kconfig"
```

```
+source "kernel/bc/Kconfig"
```

```
+
#
# Use the generic interrupt handling code in kernel/irq/:
#Add kernel/bc/Kconfig file with BC options and
include it into arch Kconfigs
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# Use the generic interrupt handling code in kernel/irq/:
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```
#
```

```
--- ./arch/powerpc/Kconfig.arkcfg 2006-08-07 14:07:12.000000000 +0400
+++ ./arch/powerpc/Kconfig 2006-08-10 17:55:58.000000000 +0400
@@ -1038,6 +1038,8 @@ source "arch/powerpc/platforms/series/K"
```

```
source "lib/Kconfig"
```

```
+source "kernel/bc/Kconfig"
```

```
+
```

```
menu "Instrumentation Support"
```

```
depends on EXPERIMENTAL
```

```
--- ./arch/ppc/Kconfig.arkcfg 2006-07-10 12:39:10.000000000 +0400
+++ ./arch/ppc/Kconfig 2006-08-10 17:56:13.000000000 +0400
```

@@ -1414,6 +1414,8 @@ endmenu

source "lib/Kconfig"

+source "kernel/bc/Kconfig"

+

source "arch/powerpc/oprofile/Kconfig"

source "arch/ppc/Kconfig.debug"

--- ./arch/sparc/Kconfig.arkcfg 2006-04-21 11:59:32.000000000 +0400

+++ ./arch/sparc/Kconfig 2006-08-10 17:56:24.000000000 +0400

@@ -296,3 +296,5 @@ source "security/Kconfig"

source "crypto/Kconfig"

source "lib/Kconfig"

+

+source "kernel/bc/Kconfig"

--- ./arch/sparc64/Kconfig.arkcfg 2006-07-17 17:01:11.000000000 +0400

+++ ./arch/sparc64/Kconfig 2006-08-10 17:56:36.000000000 +0400

@@ -432,3 +432,5 @@ source "security/Kconfig"

source "crypto/Kconfig"

source "lib/Kconfig"

+

+source "kernel/bc/Kconfig"

--- ./arch/x86_64/Kconfig.bckm 2006-07-10 12:39:11.000000000 +0400

+++ ./arch/x86_64/Kconfig 2006-07-28 14:10:49.000000000 +0400

@@ -655,3 +655,5 @@ source "security/Kconfig"

source "crypto/Kconfig"

source "lib/Kconfig"

+

+source "kernel/bc/Kconfig"

--- ./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

+ This patch 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

```

```

--- ./arch/powerpc/Kconfig.arkcfg 2006-08-07 14:07:12.000000000 +0400
+++ ./arch/powerpc/Kconfig 2006-08-10 17:55:58.000000000 +0400
@@ -1038,6 +1038,8 @@ source "arch/powerpc/platforms/series/K

```

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+source "kernel/bc/Kconfig"
+
menu "Instrumentation Support"
    depends on EXPERIMENTAL

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+++ ./arch/ppc/Kconfig 2006-08-10 17:56:13.000000000 +0400
@@ -1414,6 +1414,8 @@ endmenu

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source "lib/Kconfig"

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+source "kernel/bc/Kconfig"
+
source "arch/powerpc/oprofile/Kconfig"

```

```

source "arch/ppc/Kconfig.debug"

```

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@@ -0,0 +1,25 @@
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+# Resource beancounters (BC)
+#
+# Copyright (C) 2006 OpenVZ. SWsoft Inc
+
+menu "User resources"
+
+config BEANCOUNTERS
+ bool "Enable resource accounting/control"
+ default n
+ help
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+   This patch 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
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+   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

```
