
Subject: Re: [PATCH 1/6] BC: kconfig

Posted by [Chandra Seetharaman](#) on Thu, 24 Aug 2006 00:23:48 GMT

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Is there a reason why these can be moved to a arch-neutral place ?

PS: Please keep ckrm-tech on Cc: please.

On Wed, 2006-08-23 at 15:01 +0400, Kirill Korotaev wrote:

```
> 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/:
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> +
> #
> # Use the generic interrupt handling code in kernel/irq/:
> #
> --- ./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/opprofile/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
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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
--

```

Chandra Seetharaman | Be careful what you choose....
- sekharan@us.ibm.com |you may get it.
