
Subject: [RFC][PATCH 1/7] UBC: kconfig
Posted by [dev](#) on Wed, 16 Aug 2006 15:34:19 GMT
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Add kernel/ub/Kconfig file with UBC options and
includes it into arch Kconfigs

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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/ub/Kconfig		25	+++++

8 files changed, 39 insertions(+)

--- ./arch/i386/Kconfig.ubkm 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/ub/Kconfig"

+

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

--- ./arch/ia64/Kconfig.ubkm 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/ub/Kconfig"

+

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 "ub/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 "ub/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 "ub/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 "lib/Kconfig"
--- ./arch/x86_64/Kconfig.ubkm 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/ub/Kconfig"
--- ./kernel/ub/Kconfig.ubkm 2006-07-28 13:07:38.000000000 +0400
+++ ./kernel/ub/Kconfig 2006-07-28 13:09:51.000000000 +0400
@@ -0,0 +1,25 @@
+#
+# User resources part (UBC)
+#
+# Copyright (C) 2006 OpenVZ. SWsoft Inc

```

```
+
+menu "User resources"
+
+config USER_RESOURCE
+ bool "Enable user resource accounting"
+ default y
+ 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
```
