Subject: [PATCH] change inotifyfs magic as the same magic is used for futexfs (v2)
Posted by Andrey Mirkin on Mon, 24 Sep 2007 08:46:06 GMT
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From: Andrey Mirkin <major@openvz.org>

Right now futexfs and inotifyfs have one magic 0xBAD1DEA, that looks a little
bit confusing.
Use 0xBAD1DEA as magic for futexfs and 0x2BAD1DEA as magic for inotifyfs.

Signed-off-by: Andrey Mirkin <major@openvz.org>

---

 fs/inotify_user.c | 4 +++-
 include/linux/magic.h | 3 +++
 kernel/futex.c | 3 ++-
 3 files changed, 8 insertions(+), 2 deletions(-)

```
diff --git a/fs/inotify_user.c b/fs/inotify_user.c
index 9bf2f6c..5e00933 100644
--- a/fs/inotify_user.c
+++ b/fs/inotify_user.c
@@ -31,6 +31,7 @@ #include <linux/init.h>
 #include <linux/list.h>
 #include <linux/inotify.h>
 #include <linux/syscalls.h>
+#include <linux/magic.h>

 #include <asm/ioctls.h>

@@ -684,7 +685,8 @@ static int
 inotify_get_sb(struct file_system_type *fs_type, int flags,
        const char *dev_name, void *data, struct vfsmount *mnt)
 {
- return get_sb_pseudo(fs_type, "inotify", NULL, 0xBAD1DEA, mnt);
+ return get_sb_pseudo(fs_type, "inotify", NULL,
+   INOTIFYFS_SUPER_MAGIC, mnt);
 }

 static struct file_system_type inotify_fs_type = {
diff --git a/include/linux/futex.h b/include/linux/futex.h
diff --git a/include/linux/inotify.h b/include/linux/inotify.h
diff --git a/include/linux/magic.h b/include/linux/magic.h
index 36cc20d..722d475 100644
--- a/include/linux/magic.h
+++ b/include/linux/magic.h
@@ -38,4 +38,7 @@ #define REISER2FS_JR_SUPER_MAGIC_STRING
```

```
 #define SMB_SUPER_MAGIC  0x517B
 #define USBDEVICE_SUPER_MAGIC 0x9fa2

+#define FUTEXFS_SUPER_MAGIC 0xBAD1DEA
+#define INOTIFYFS_SUPER_MAGIC 0x2BAD1DEA
+
 #endif /* __LINUX_MAGIC_H__ */
diff --git a/kernel/futex.c b/kernel/futex.c
index e8935b1..856dfba 100644
--- a/kernel/futex.c
+++ b/kernel/futex.c
@@ -52,6 +52,7 @@ #include <linux/pagemap.h>
 #include <linux/syscalls.h>
 #include <linux/signal.h>
 #include <linux/module.h>
+#include <linux/magic.h>
 #include <asm/futex.h>

 #include "rtmutex_common.h"
@@ -2074,7 +2075,7 @@ static int futexfs_get_sb(struct file_sy
     int flags, const char *dev_name, void *data,
     struct vfsmount *mnt)
 {
- return get_sb_pseudo(fs_type, "futex", NULL, 0xBAD1DEA, mnt);
+ return get_sb_pseudo(fs_type, "futex", NULL, FUTEXFS_SUPER_MAGIC, mnt);
 }

 static struct file_system_type futex_fs_type = {
```

Subject: Re: [PATCH] change inotifyfs magic as the same magic is used for futexfs (v2)
Posted by Randy Dunlap on Mon, 24 Sep 2007 15:08:08 GMT
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On Mon, 24 Sep 2007 12:46:06 +0400 Andrey Mirkin wrote:

> From: Andrey Mirkin <major@openvz.org>
>
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> bit confusing.
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>
> Signed-off-by: Andrey Mirkin <major@openvz.org>

Acked-by: Randy Dunlap <randy.dunlap@oracle.com>

> ----

```
>
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>  {
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> + return get_sb_pseudo(fs_type, "inotify", NULL,
> +   INOTIFYFS_SUPER_MAGIC, mnt);
>  }
>
>  static struct file_system_type inotify_fs_type = {
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>
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> @@ -2074,7 +2075,7 @@ static int futexfs_get_sb(struct file_sy
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>   struct vfsmount *mnt)
> {
> - return get_sb_pseudo(fs_type, "futex", NULL, 0xBAD1DEA, mnt);
> + return get_sb_pseudo(fs_type, "futex", NULL, FUTEXFS_SUPER_MAGIC, mnt);
> }
>
> static struct file_system_type futex_fs_type = {
> -

~Randy
Phaedrus says that Quality is about caring.