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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 = {

```

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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.
> Use 0xBAD1DEA as magic for futexfs and 0x2BAD1DEA as magic for inotifyfs.
>
> Signed-off-by: Andrey Mirkin <major@openvz.org>

```

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

```

> ----

```

```

>
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> #include <linux/inotify.h>
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> @@ -684,7 +685,8 @@ static int
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> --- a/include/linux/magic.h
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> #define SMB_SUPER_MAGIC 0x517B
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> +#define FUTEXFS_SUPER_MAGIC 0xBAD1DEA
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> diff --git a/kernel/futex.c b/kernel/futex.c
> index e8935b1..856dfba 100644
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> +++ b/kernel/futex.c
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```

```
> #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 = {
> -
```

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~Randy

Phaedrus says that Quality is about caring.

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