
Subject: [PATCH 1/3] res_counter: introduce res_counter_write_u64()

Posted by [Li Zefan](#) on Tue, 11 Mar 2008 10:08:39 GMT

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This function can be used to assign the value of a resource counter member.

Signed-off-by: Li Zefan <lizf@cn.fujitsu.com>

```
include/linux/res_counter.h | 9 ++++++---
kernel/res_counter.c        | 9 ++++++++
2 files changed, 15 insertions(+), 3 deletions(-)
```

```
diff --git a/include/linux/res_counter.h b/include/linux/res_counter.h
```

```
index 8cb1ecd..8c23f7f 100644
```

```
--- a/include/linux/res_counter.h
```

```
+++ b/include/linux/res_counter.h
```

```
@@ -41,9 +41,10 @@ struct res_counter {
```

```
/**
```

```
 * Helpers to interact with userspace
```

```
- * res_counter_read_u64() - returns the value of the specified member.
```

```
- * res_counter_read/_write - put/get the specified fields from the
```

```
- * res_counter struct to/from the user
```

```
+ * res_counter_read_64/_write_u64 - returns/assigns the value of the
```

```
+ * specified member
```

```
+ * res_counter_read/_write - puts/gets the specified fields from the
```

```
+ * res_counter struct to/from the user
```

```
 *
```

```
 * @counter: the counter in question
```

```
 * @member: the field to work with (see RES_xxx below)
```

```
@@ -53,6 +54,8 @@ struct res_counter {
```

```
*/
```

```
u64 res_counter_read_u64(struct res_counter *counter, int member);
```

```
+void res_counter_write_u64(struct res_counter *counter, int member,
```

```
+ unsigned long long val);
```

```
ssize_t res_counter_read(struct res_counter *counter, int member,
```

```
const char __user *buf, size_t nbytes, loff_t *pos,
```

```
diff --git a/kernel/res_counter.c b/kernel/res_counter.c
```

```
index 791ff2b..a16b727 100644
```

```
--- a/kernel/res_counter.c
```

```
+++ b/kernel/res_counter.c
```

```
@@ -97,6 +97,15 @@ u64 res_counter_read_u64(struct res_counter *counter, int member)
```

```
return *res_counter_member(counter, member);
```

```
}
```

```
+void res_counter_write_u64(struct res_counter *counter, int member,
```

```
+      unsigned long long val)
+{
+  unsigned long long *tmp;
+
+  tmp = res_counter_member(counter, member);
+  *tmp = val;
+}
+
+ssize_t res_counter_write(struct res_counter *counter, int member,
+    const char __user *userbuf, size_t nbytes, loff_t *pos,
+    int (*write_strategy)(char *st_buf, unsigned long long *val))
+
+--
1.5.4.rc3
```

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