
Subject: [PATCH 4/4][cryo]: Test 5: Read/write using dup() of pipe fds
Posted by [Sukadev Bhattiprolu](#) on Tue, 24 Jun 2008 03:34:54 GMT
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>From 121c33ebe1ae201d5bb051f9c76e3eaae29329bb Mon Sep 17 00:00:00 2001
From: Sukadev Bhattiprolu <sukadev@linux.vnet.ibm.com>
Date: Sun, 22 Jun 2008 23:33:24 -0700
Subject: [PATCH] Test 5: Read/write using dup() of pipe fds

tests/pipe.c | 19 ++++++-----
1 files changed, 14 insertions(+), 5 deletions(-)

diff --git a/tests/pipe.c b/tests/pipe.c
index 5b04f46..47f5da6 100644

--- a/tests/pipe.c

+++ b/tests/pipe.c

```
@@ -16,12 +16,13 @@ char *test_descriptions[] = {  
    "Test continous reads/writes from pipe",  
    "Test non-consecutive pipe-fds",  
    "Test with read-fd > write-fd",  
+ "Test with dup of pipe fds around"  
    "Test with read-fd/write-fd swapped",  
    "Test with all-fds in use",  
    "Test with all-fds in use for pipes",  
};
```

```
-static int last_num = 4;
```

```
+static int last_num = 5;
```

```
usage(char *argv[])
```

```
{
```

```
    int i;
```

```
@@ -145,13 +146,13 @@ int read_write_pipe(int *testfdsp, int close_unused)
```

```
    exit(1);
```

```
}
```

```
+ read_fd = tmpfds[0];
```

```
+ write_fd = tmpfds[1];
```

```
    if (testfdsp) {
```

```
        reset_pipe_fds(tmpfds, testfdsp, close_unused);
```

```
+ /* read from dup'd fds even if main ones are open */
```

```
    read_fd = testfdsp[0];
```

```
    write_fd = testfdsp[1];
```

```
- } else {
```

```
- read_fd = tmpfds[0];
```

```
- write_fd = tmpfds[1];
```

```
}
```

```

    printf("read_fd %d, write_fd %d\n", read_fd, write_fd);
@@ -193,7 +194,7 @@ int read_write_pipe(int *testfdsp, int close_unused)
}
}

- if (strncmp(wbuf, rbuf, strlen(wbuf))) {
+ if (strncmp(wbuf, rbuf, strlen(wbuf))) {
    printf("Wrote: %s\n", wbuf);
    printf("Read : %s\n", rbuf);
    printf("Test FAILED\n");
@@ -214,6 +215,13 @@ static void test4()
    read_write_pipe(tmpfds, 1);
}

+static void test5()
+{
+ int tmpfds[2] = { 172, 101 };
+
+ read_write_pipe(tmpfds, 0);
+}
+
int
main(int argc, char *argv[])
{
@@ -238,6 +246,7 @@ main(int argc, char *argv[])
    case 2: test2(); break;
    case 3: test3(); break;
    case 4: test4(); break;
+ case 5: test5(); break;
    default:
        printf("Unsupported test case %d\n", tc_num);
        usage(argv);
--
1.5.2.5

```

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Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
