
Subject: [RFC][PATCH 1/2] pipe: header file and removal of dupfd()'s static
Posted by [Masahiko Takahashi](#) on Mon, 29 Jan 2007 22:48:16 GMT
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Defines data structures in order to use checkpointing a pipe.
Also, dupfd() in fcntl.c is called in restoring pipe so as to
install struct file pointer to the specified file descriptor.

Masahiko.

```
--- /dev/null 2006-05-22 07:25:23.000000000 -0700
+++ linux-2.6.19.2/include/linux/cr.h 2007-01-22 15:19:28.000000000 -0800
@@ -0,0 +1,27 @@
+#ifndef _LINUX_CR_H
+#define _LINUX_CR_H
+
+
+/*
+ * include/linux/cr.h
+ *
+ * checkpoint and restart
+ */
+
+struct cr_pipe_buffer_info {
+ unsigned int offset, len, flags;
+};
+
+struct cr_pipe_buffer {
+ char buf[PAGE_SIZE];
+ struct cr_pipe_buffer_info info;
+};
+
+struct cr_pipe {
+ int nrbufs;
+ // waiter, fasync ...
+ struct cr_pipe_buffer bufs[PIPE_BUFFERS];
+};
+
+extern int dupfd(struct file *file, unsigned int start);
+
+#endif
--- linux-2.6.19.2/fs/fcntl.c.original 2007-01-10 11:10:37.000000000 -0800
+++ linux-2.6.19.2/fs/fcntl.c 2007-01-15 16:36:56.000000000 -0800
@@ -111,7 +111,7 @@ out:
     return error;
 }
```

```
-static int dupfd(struct file *file, unsigned int start)
+int dupfd(struct file *file, unsigned int start)
{
  struct files_struct * files = current->files;
  struct fdtable *fdt;
```

Containers mailing list
Containers@lists.osdl.org
<https://lists.osdl.org/mailman/listinfo/containers>

File Attachments

1) [patchlof2.txt](#), downloaded 367 times
