

7/16/70

New low-level disk file actions:

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1. Exchange contents of two files:

- IPI: ECS Incarn } requires "exchange" option bit
- IP2: ECS Incarn }

Both files must be open only to requesting process. An ECS system crash during this action may cause file IP2 to be empty; file IP1 is guaranteed to contain either its old contents or the contents of IP2.

The disk address, unique name, and funding account of both files remain the same. The shape, ECS Incarnation, fixed disk images, etc are all exchanged.

Restriction: probably won't accept one-level files.

2. Fix current content of file:

IPI: ECS Incarnation

This action causes all blocks which have been modified and are not attached by any process to appear in the fixed disk image of the file (i.e. survive ECS system restarts). Blocks which are attached may or may not appear in the fixed image.