Figure 1: Copy-on-write filesystem: modifying a data block
(a) Initial State

(b) System allocates and creates new versions of all modified blocks.

(c) System updates Uberblock to point to new version of blocks.

Figure 2: Copy-on-write filesystem: adding a data block
Figure 3: Copy-on-write filesystem: creating a file

(a) Initial State

(b) System allocates and creates new versions of all modified blocks.

(c) System updates Uberblock to point to new version of blocks.
Figure 4: Redo logging in a filesystem