

Moderated group authoring among weakly connected workgroups

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Collaboration among contemporary users

Goal: workgroup users modify shared documents to create authoritative version

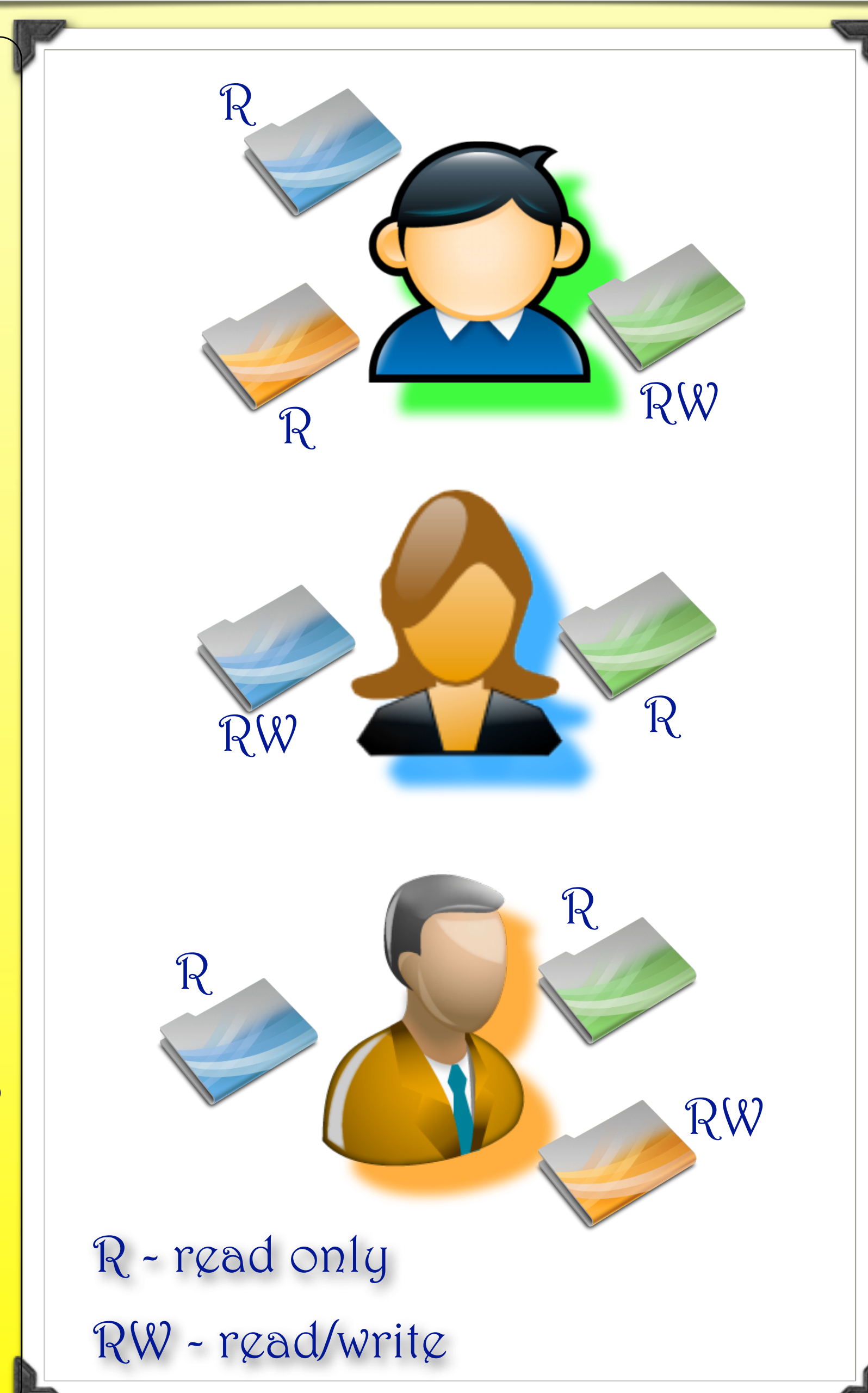
- * Contemporary users are wireless
- * Analyzed wireless users at ND ('06, '07-'08), IBM ('02), Hotspot federation (Île Sans Fil '04-'07) and SIGCOMM '01
 - * short session, long duration between sessions
 - * **session durations becoming shorter**
- * Analyzed centralized (exclusive, last writer wins) and distributed (bayou like) collaboration mechanisms
 - * poor performance when more group members are online and available for collaboration



operating on a shared copy is not tenable for wireless users

Moderated collaboration

- * each member exclusively maintains own updateable copy of shared document
- * users can hoard readonly copy of other's version
- * each member independently moderates (manual reconciliation) and incorporates changes from others using read only replicas



- * eventually converge through successive moderations
- * facilitate convergence by provenance logging of files opened during update session
 - * user queries provenance log of read only replica to see if other user has incorporated her changes
 - * open = incorporate

Source: <http://flockfs.sourceforge.net/> (Mac OSX+git+fuse)