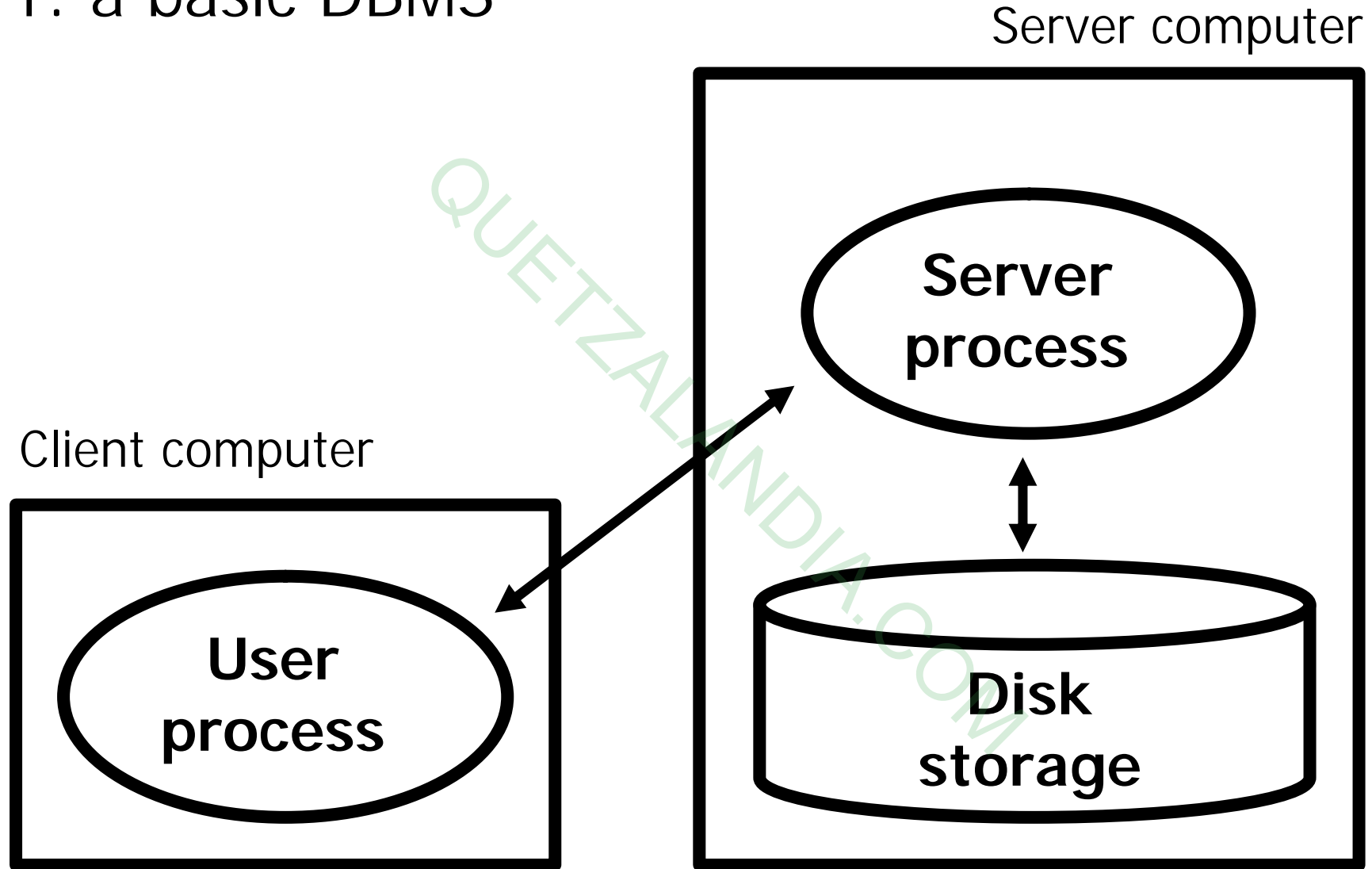
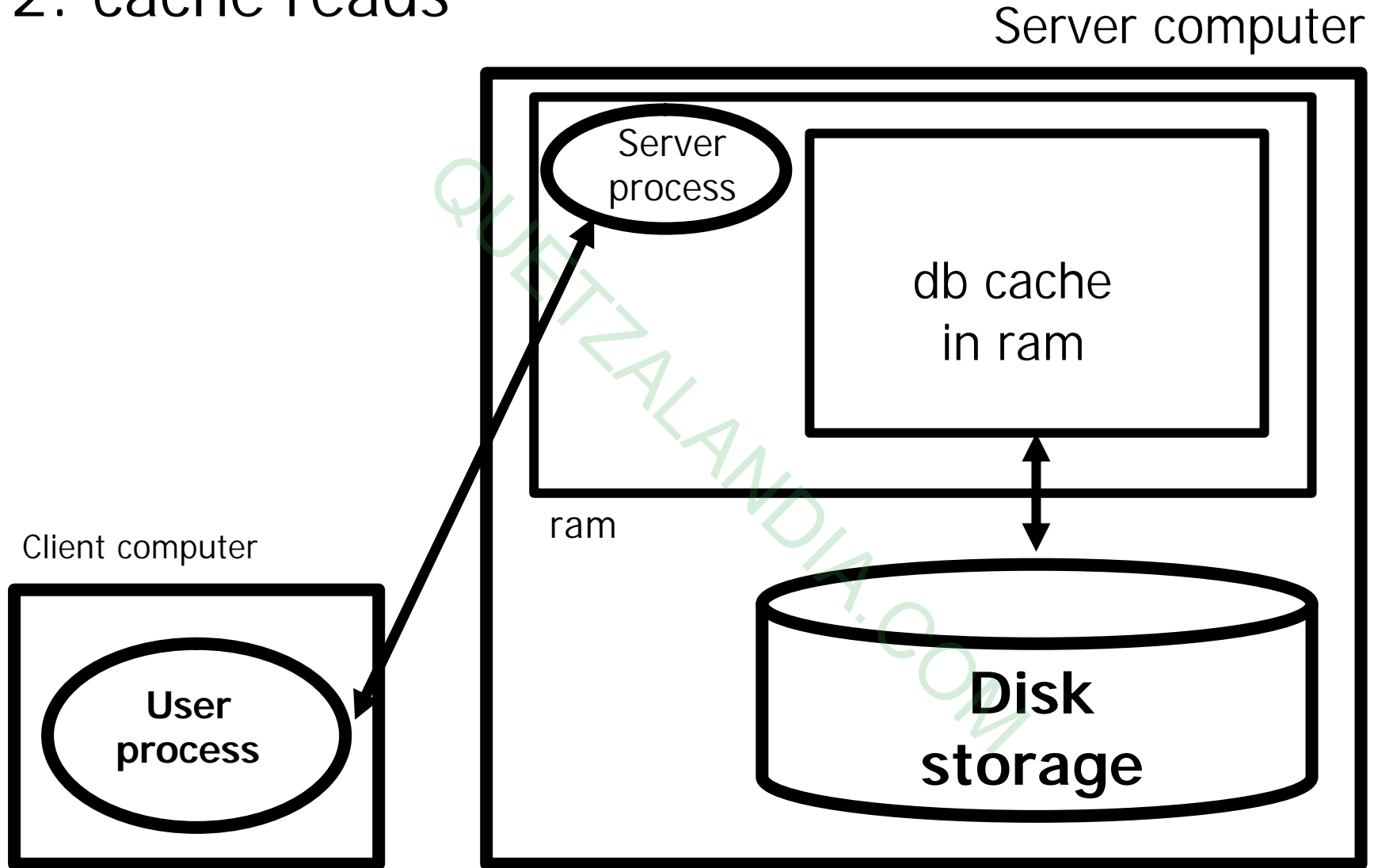


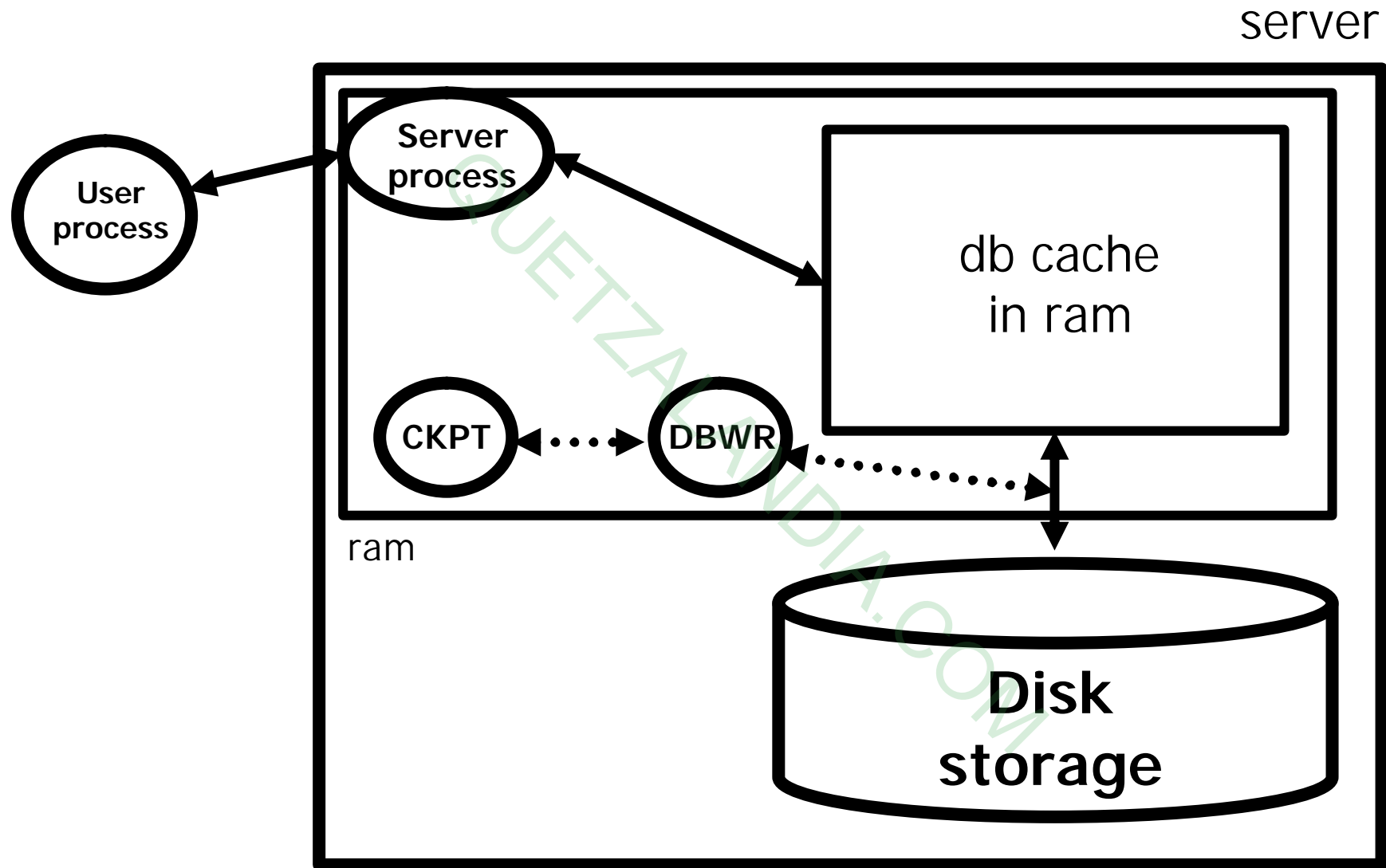
1: a basic DBMS



2: cache reads

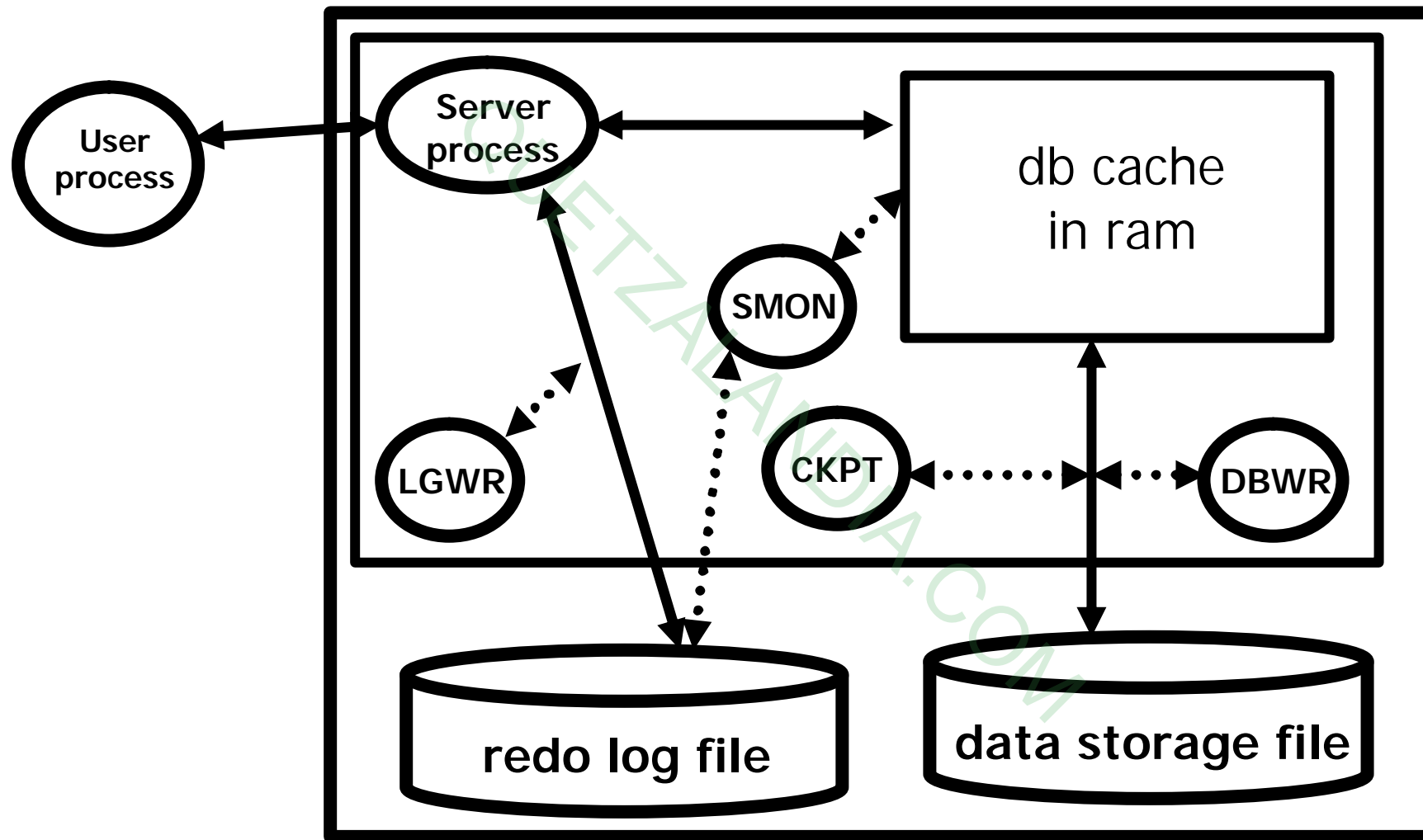


3: cache reads and writes

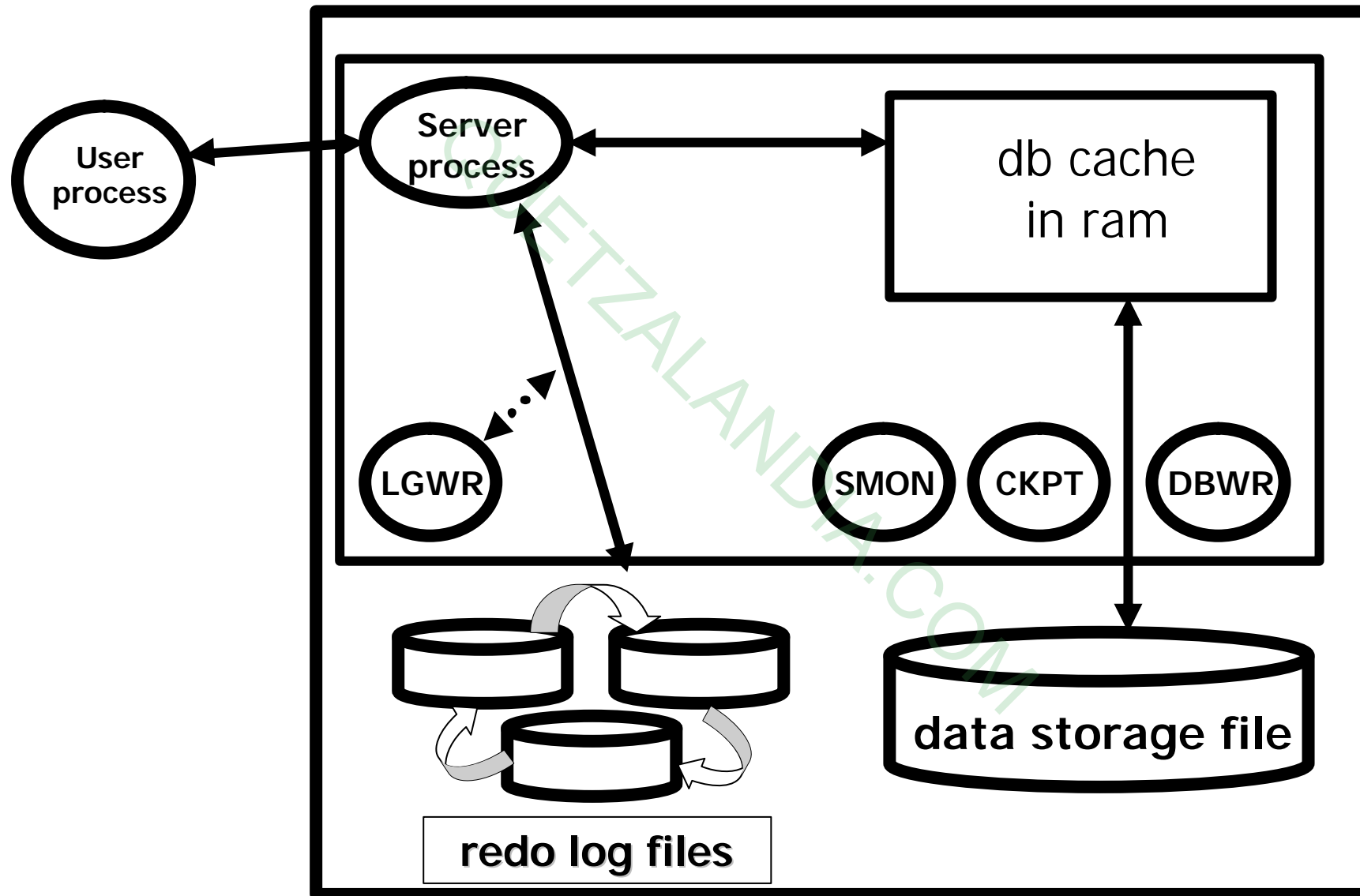


4: recover from crashes

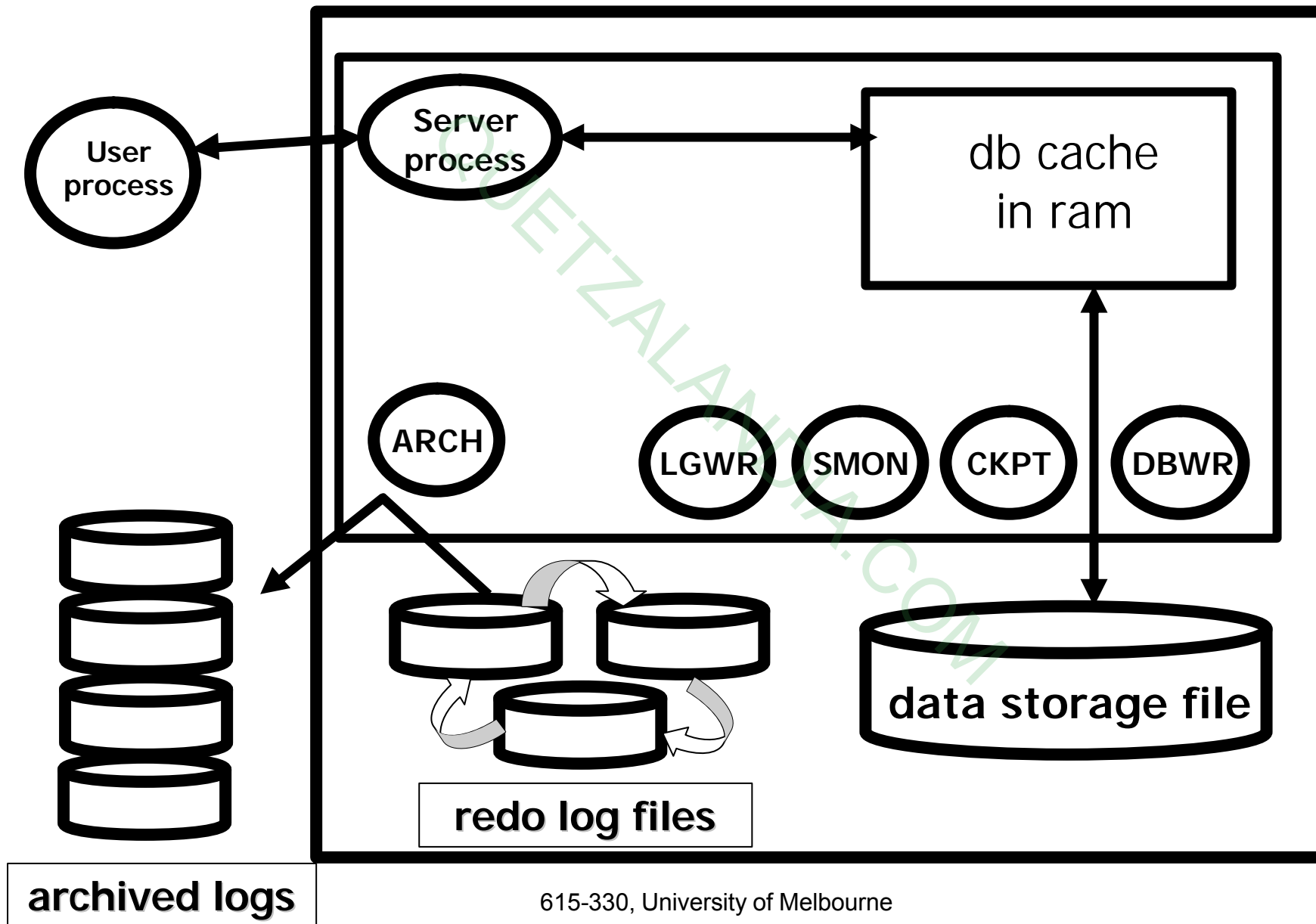
server



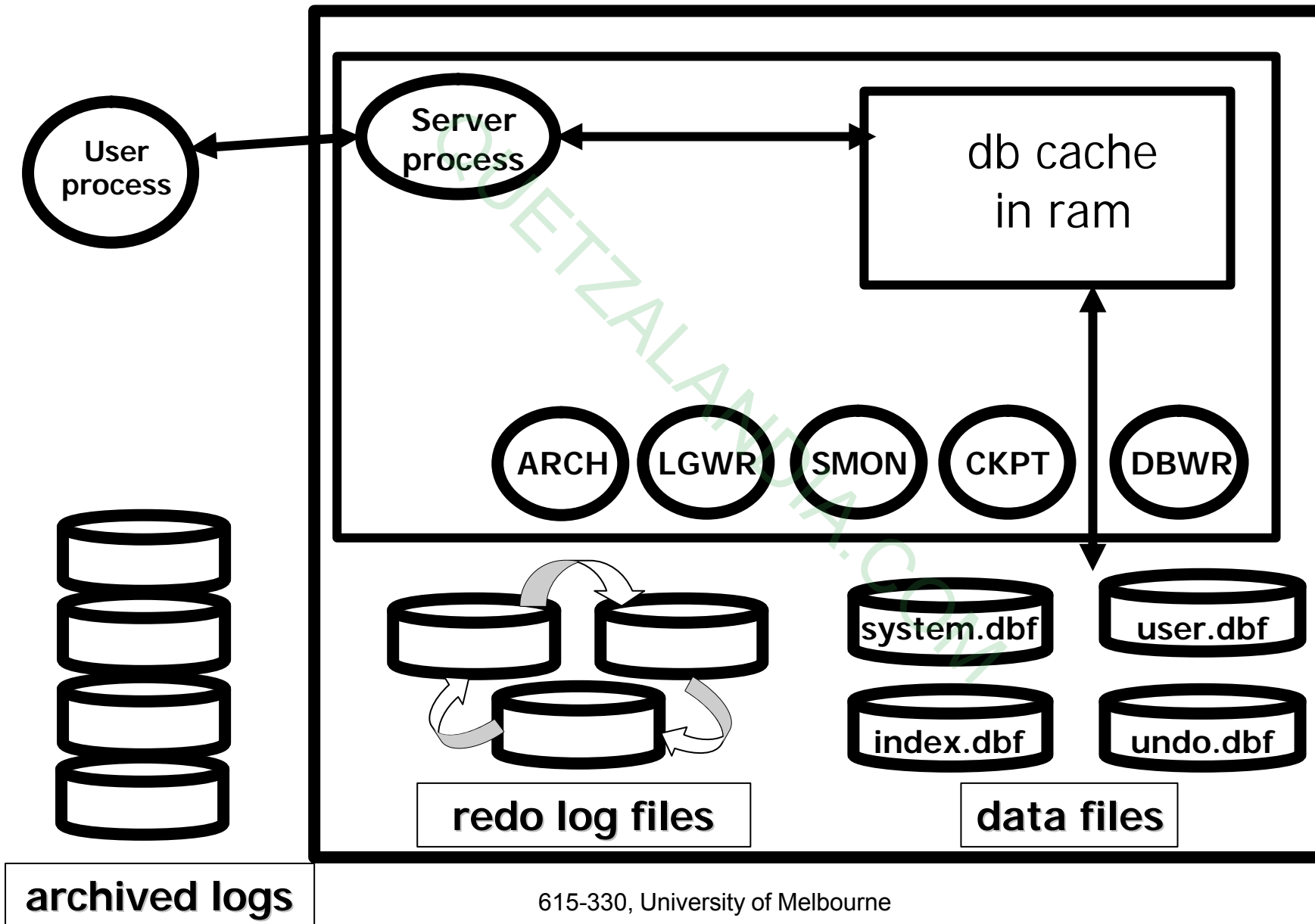
5: circular redo log group



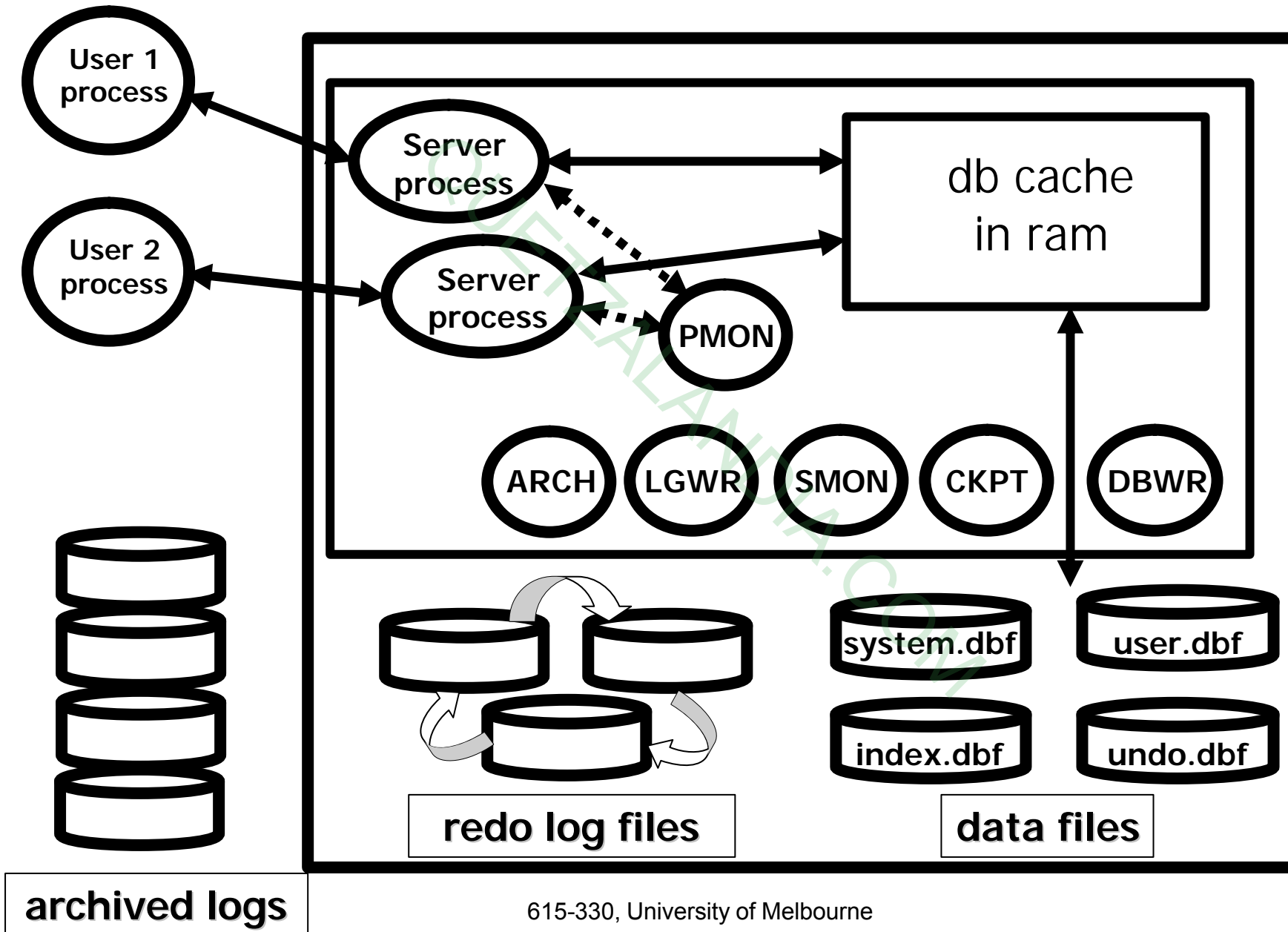
6: archive log mode



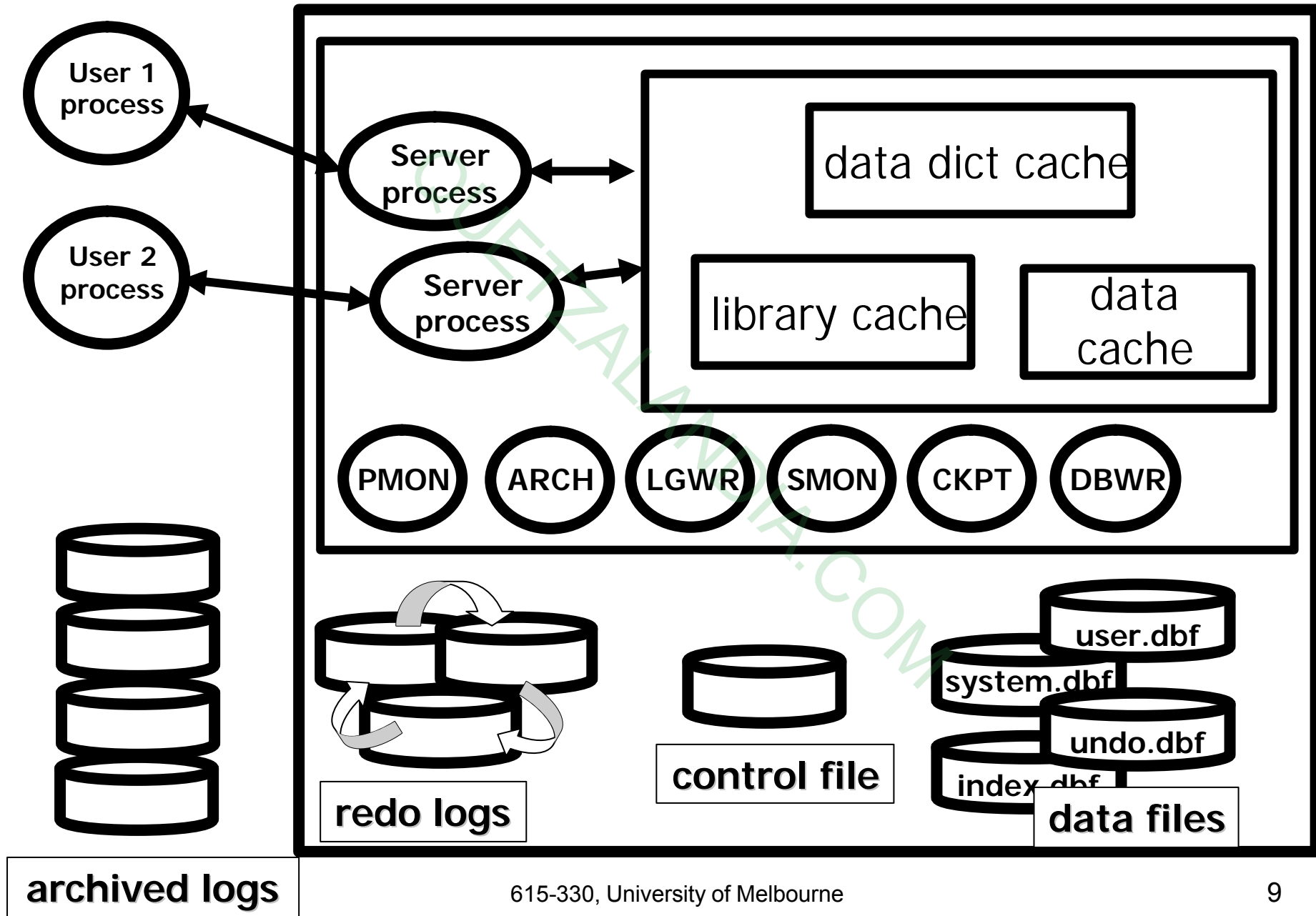
7: arrange data over several files



8: multiple simultaneous users



9: control file, extra caches



10: multiple CPUs

