

# Distributed File Systems (DFS)

- Files are stored on a server machine
  - client machine does RPCs to server to perform operations on file

## Desirable Properties from a DFS

- Transparency: client accesses DFS files as if it were accessing local (say, Unix) files
  - Same API as local files, i.e., client code doesn't change
  - Need to make location, replication, etc. invisible to client
- Support concurrent clients
  - Multiple client processes reading/writing the file concurrently
- Replication: for fault-tolerance