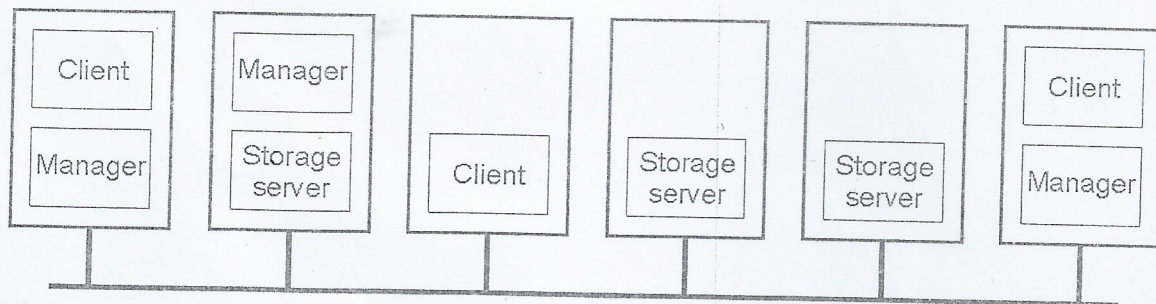


# Overview of xFS.

- The xFS file system is based on a **serverless** model.
- The entire file system is distributed across machines including clients.
- Each machine can run a storage server, a metadata server and a client process.



A typical distribution of xFS processes across multiple machines.

## Communication in xFS

- RPC was substituted with **active messages** in xFS.
- RPC performance was not the best and fully decentralization is hard to manage with RPC.
- In an **active message**, when a message arrives, an handler is automatically invoked for execution.