

Figure 2.1 Understanding middleware.

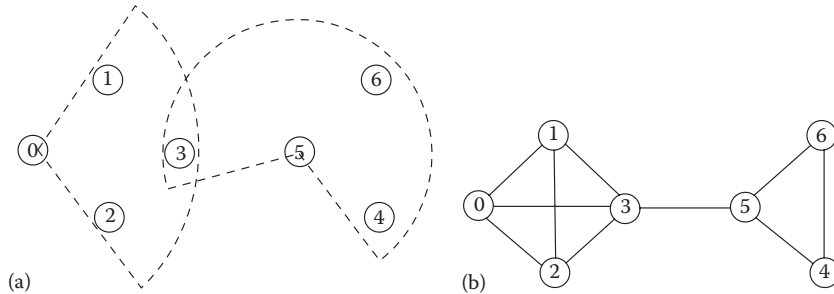


Figure 2.2 (a) Nodes 0, 1, 2 are within the range of node 3, but outside the ranges of nodes 4, 5, 6. Nodes 3, 4, 6 are within the range of node 5. Nodes 0, 1, 2 are within one another's range and so are nodes 4, 6. (b) The topology of the network.

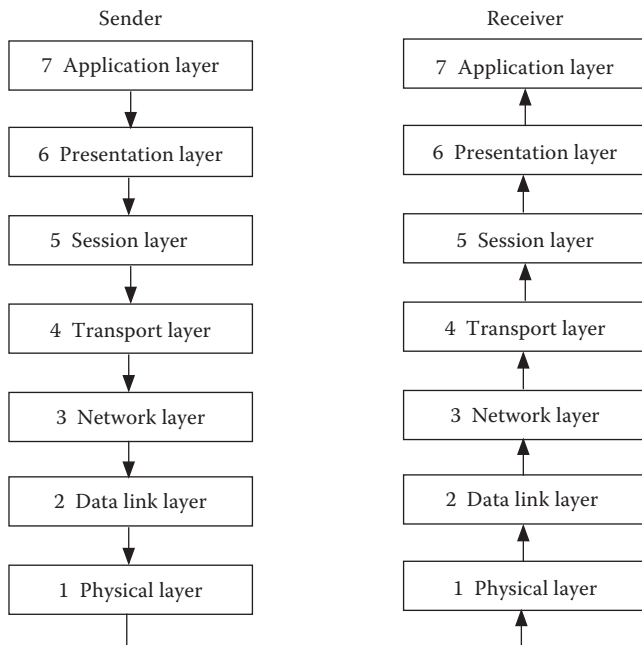


Figure 2.3 The seven-layer OSI model.

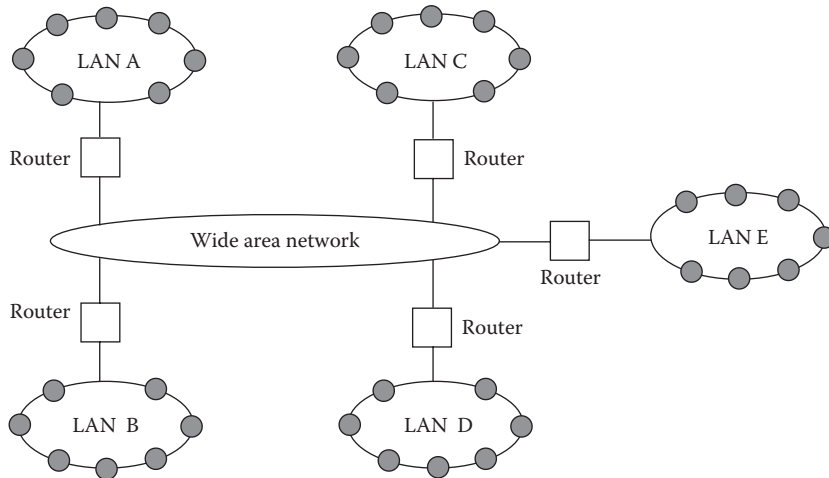


Figure 2.4 Five LANs connected to WANs that serve as the backbone.

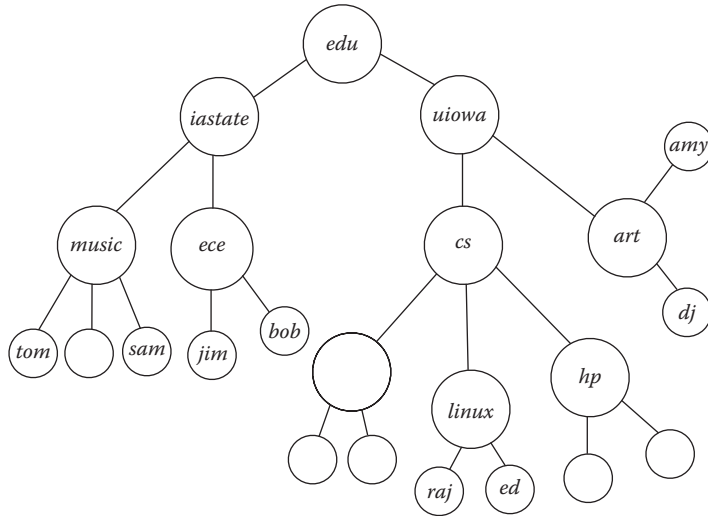


Figure 2.5 A naming hierarchy.

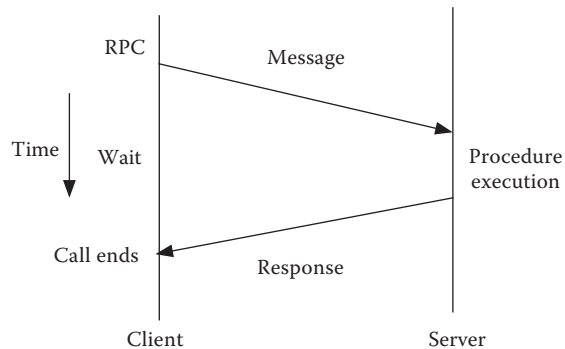


Figure 2.6 An RPC.

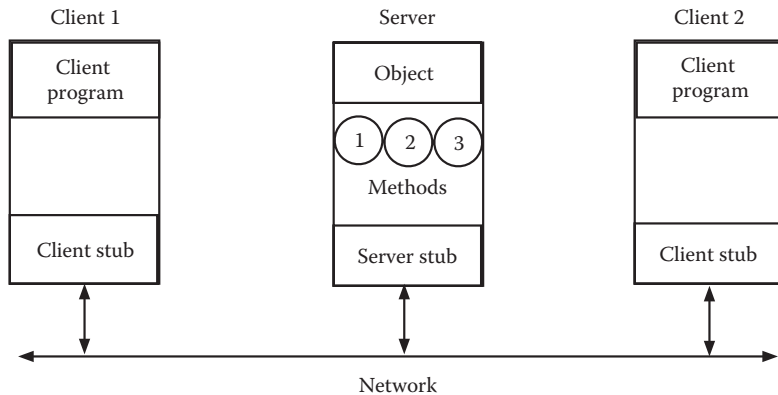


Figure 2.7 Remote object invocation scheme.

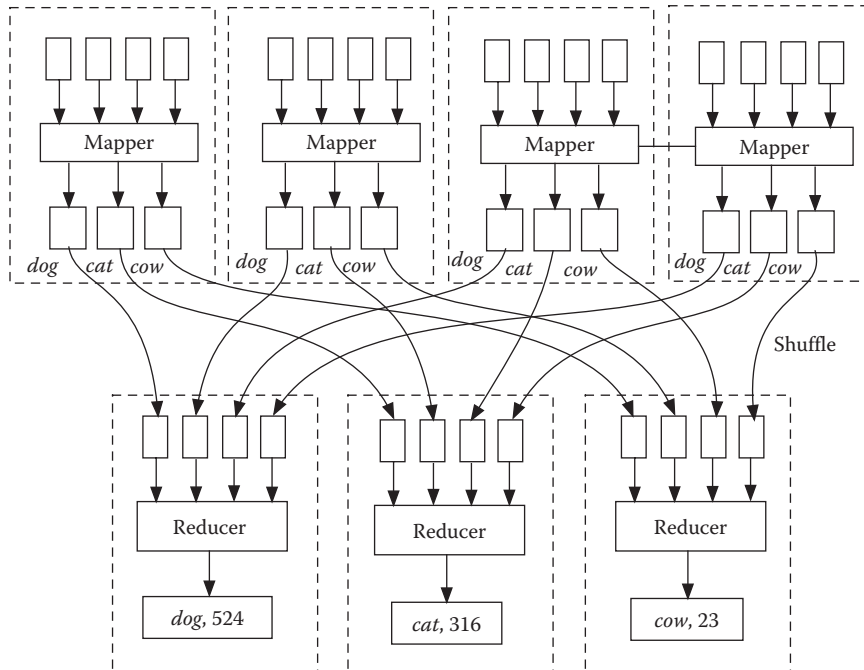


Figure 2.8 The architecture of MapReduce: the mappers receive their inputs from the files that store data. Each box is physically mapped to a computing node.