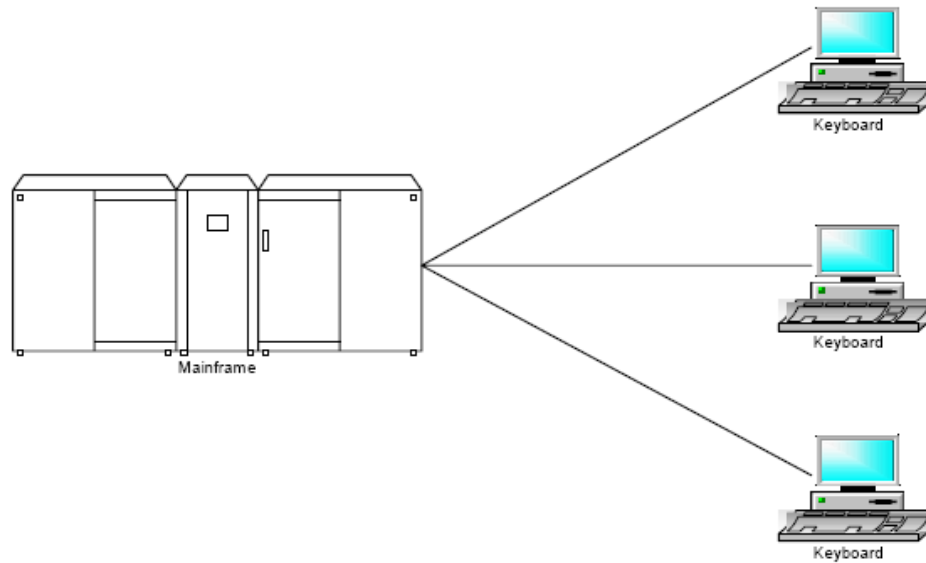
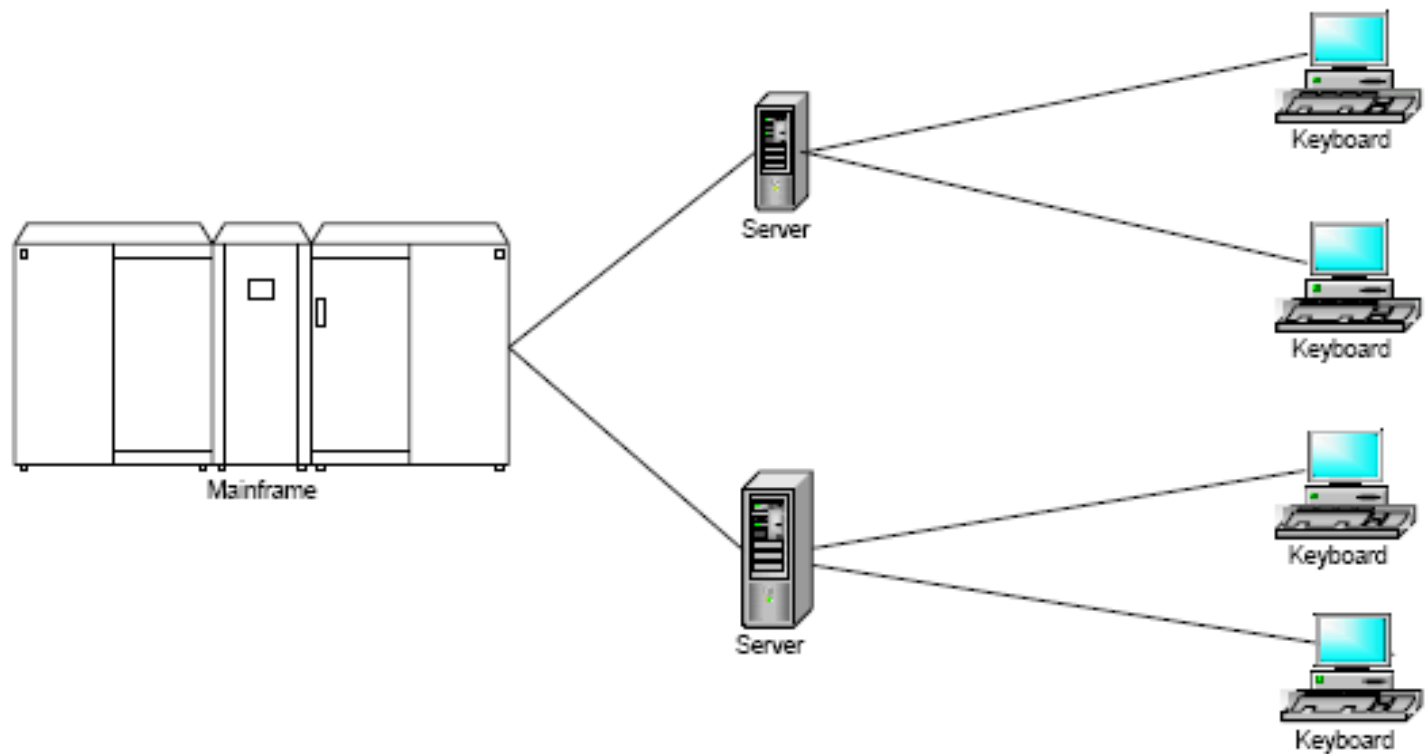


N-Tier

Non-Client-Server System

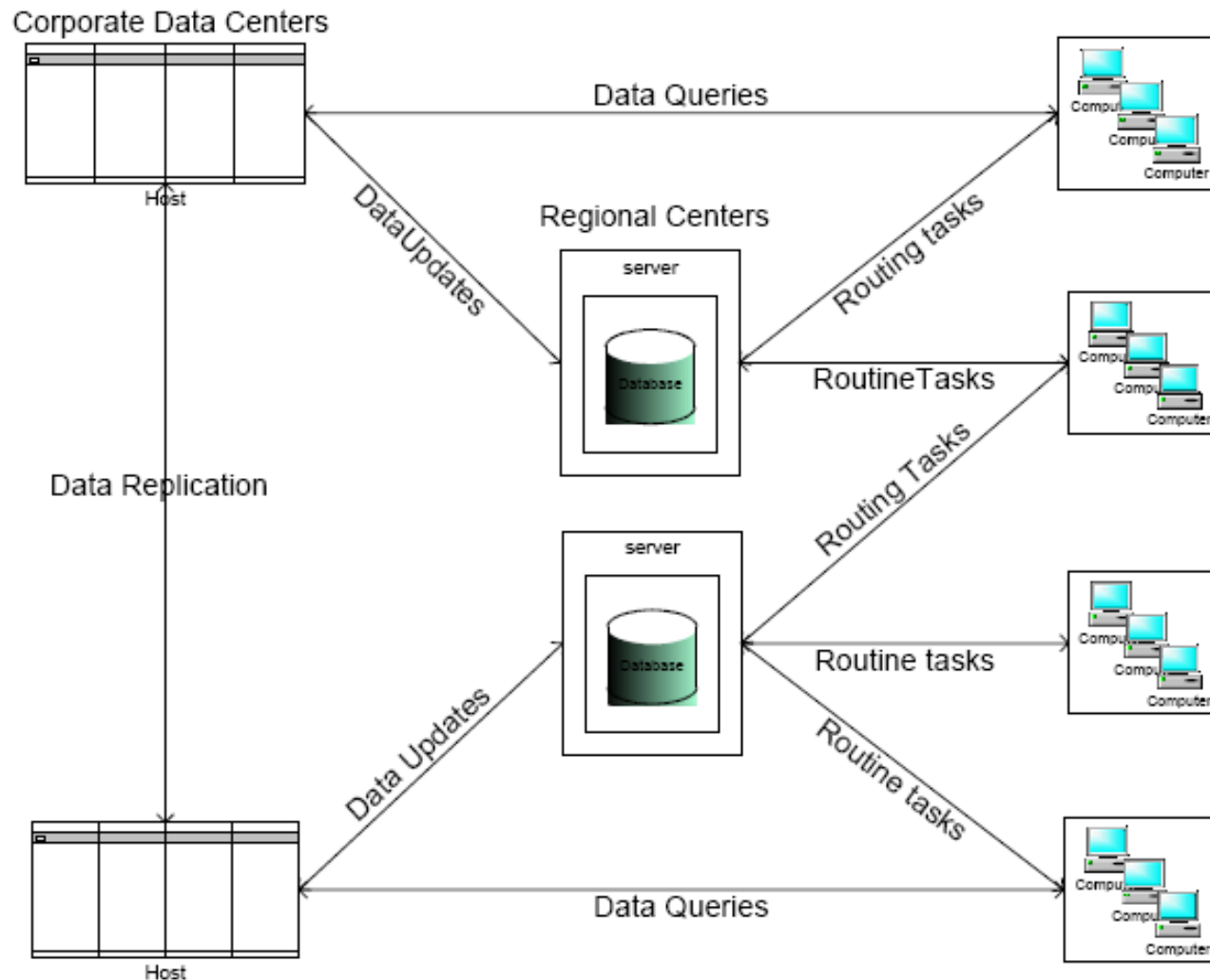


Traditional Host System with LAN



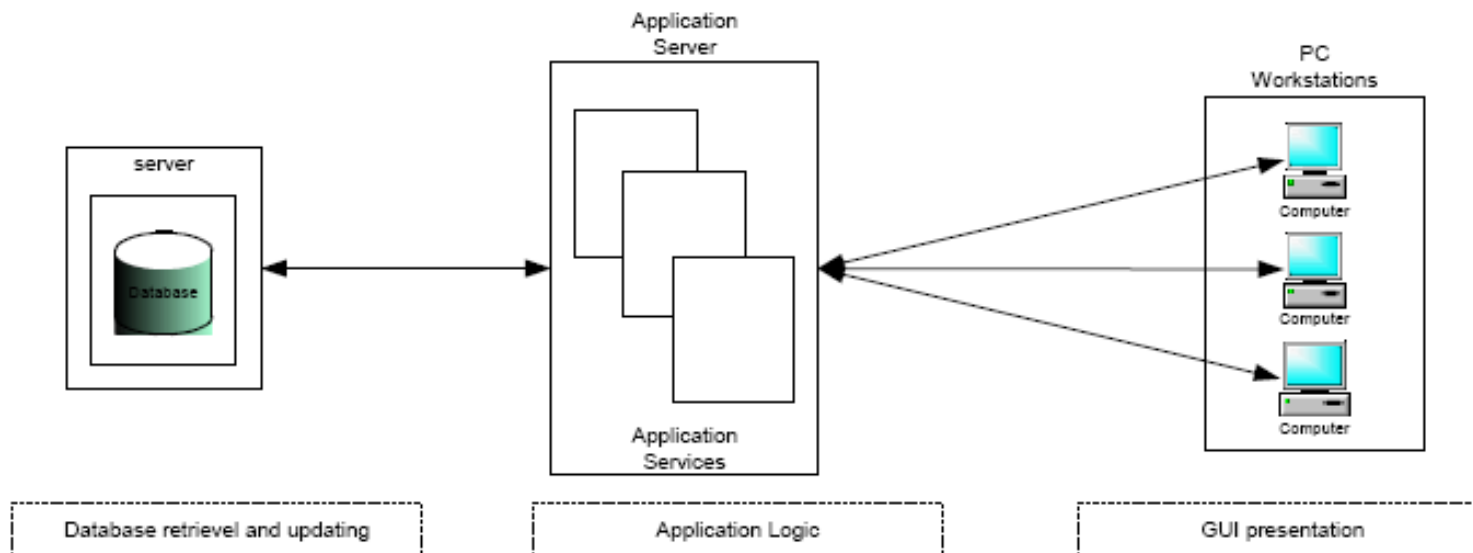
Sistemas Distribuidos

Distributed Data Centers



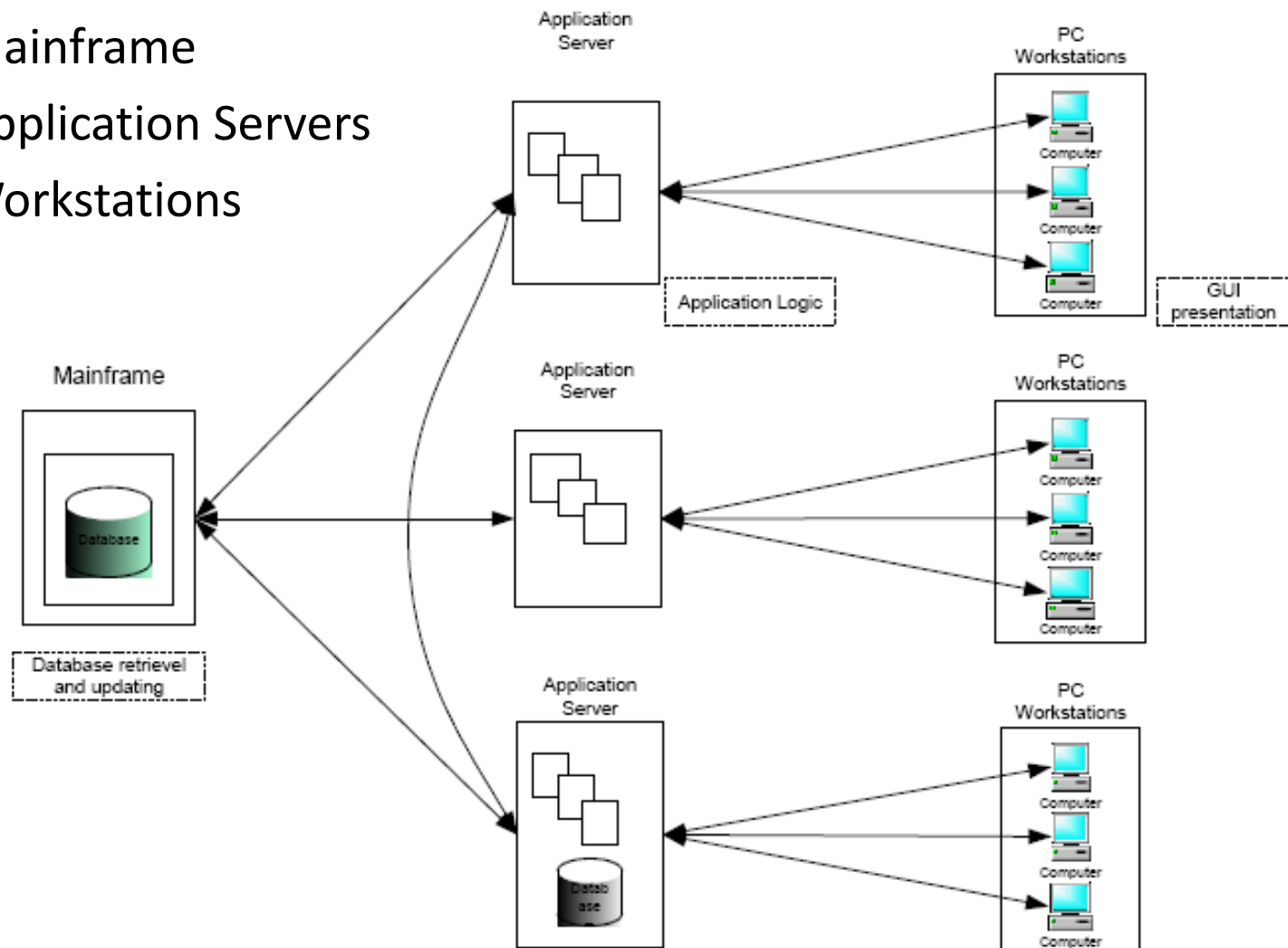
Client/Server Model

- 1. Database Server
- 2. Application Server
- 3. PC Workstation



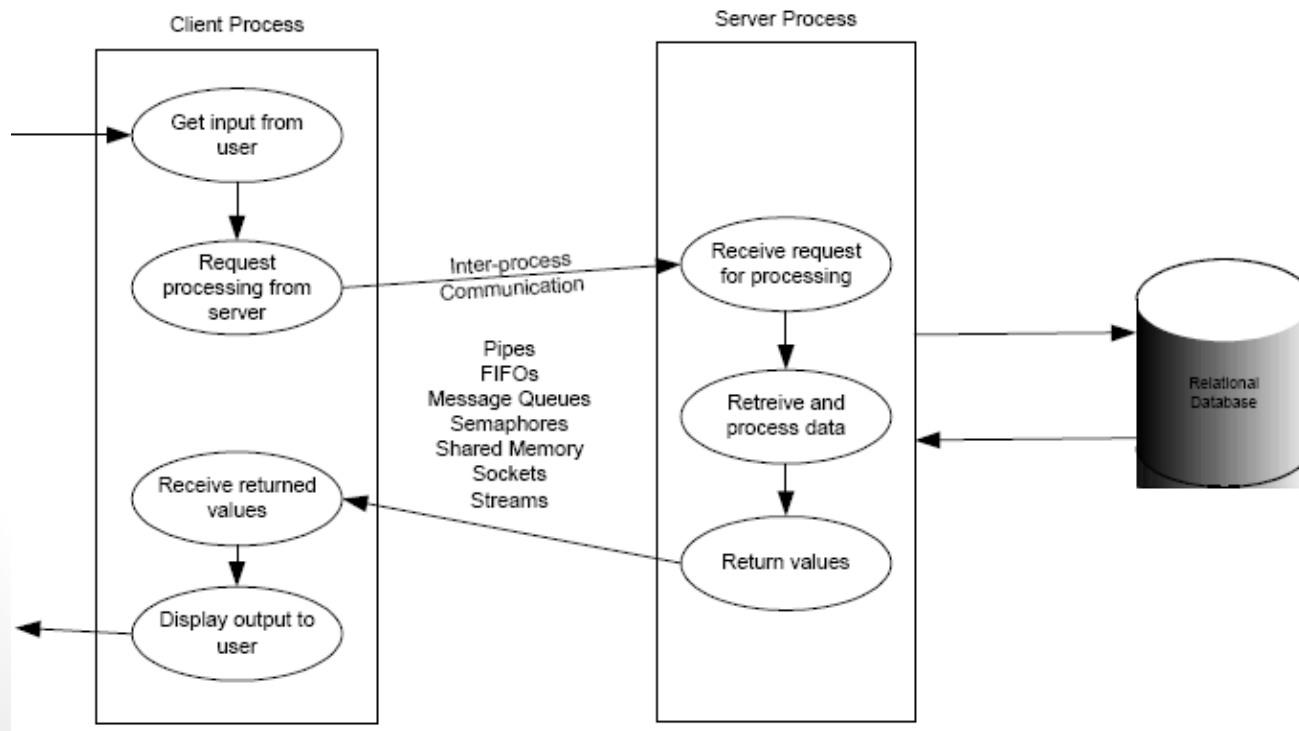
Distributed Client/Server Model

- 1. Mainframe
- 2. Application Servers
- 3. Workstations

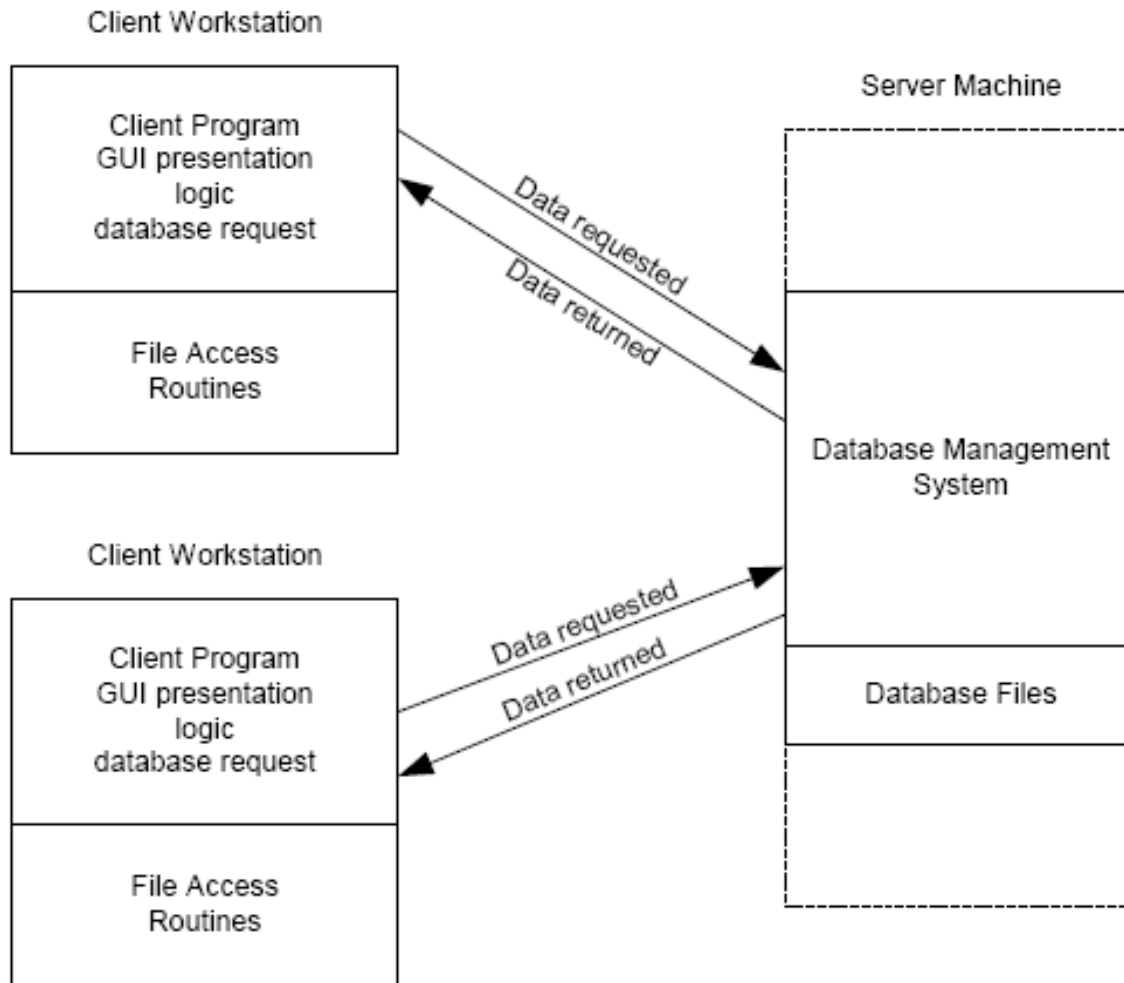


Inter-process Communication

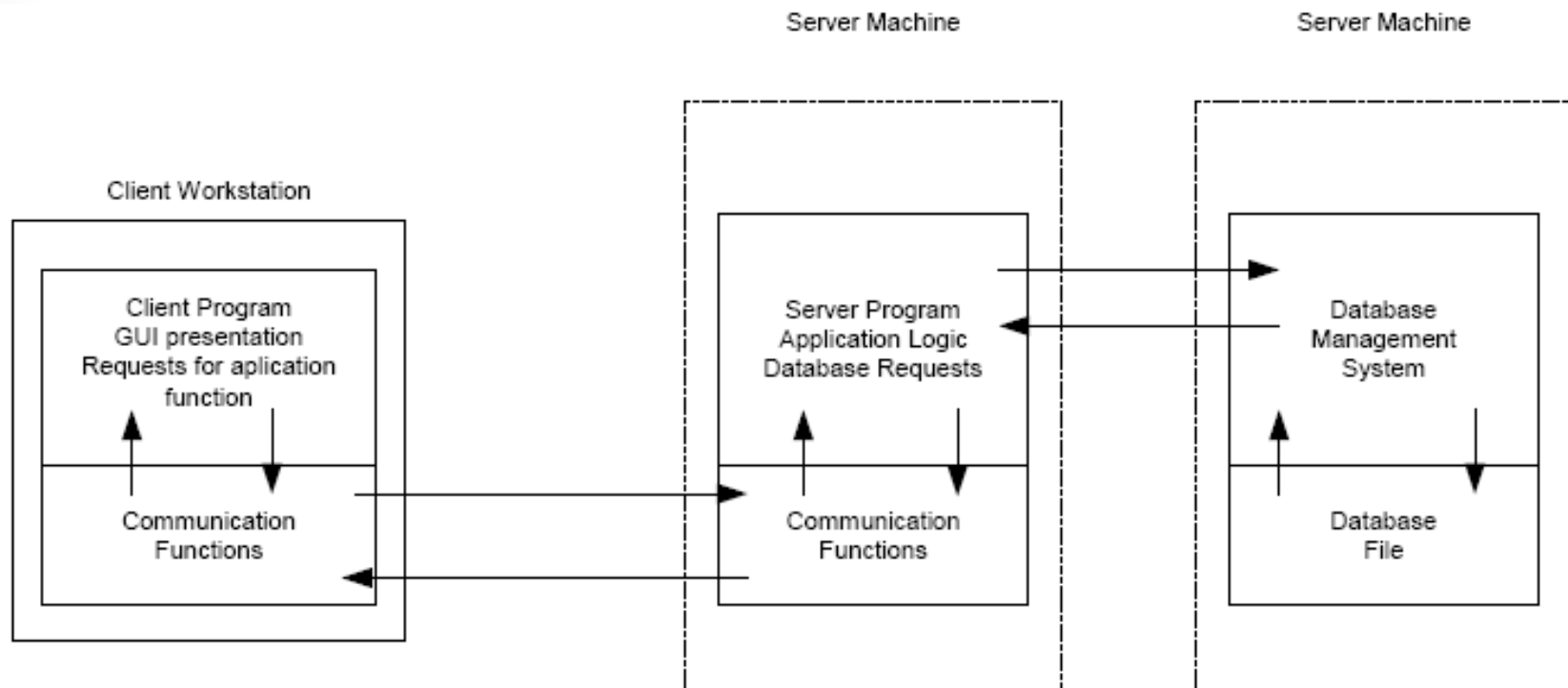
- Basis for client/server computing
- Client process communicates with server process
- Each process performs separate functions
- Data is passed between processes using IPC functions



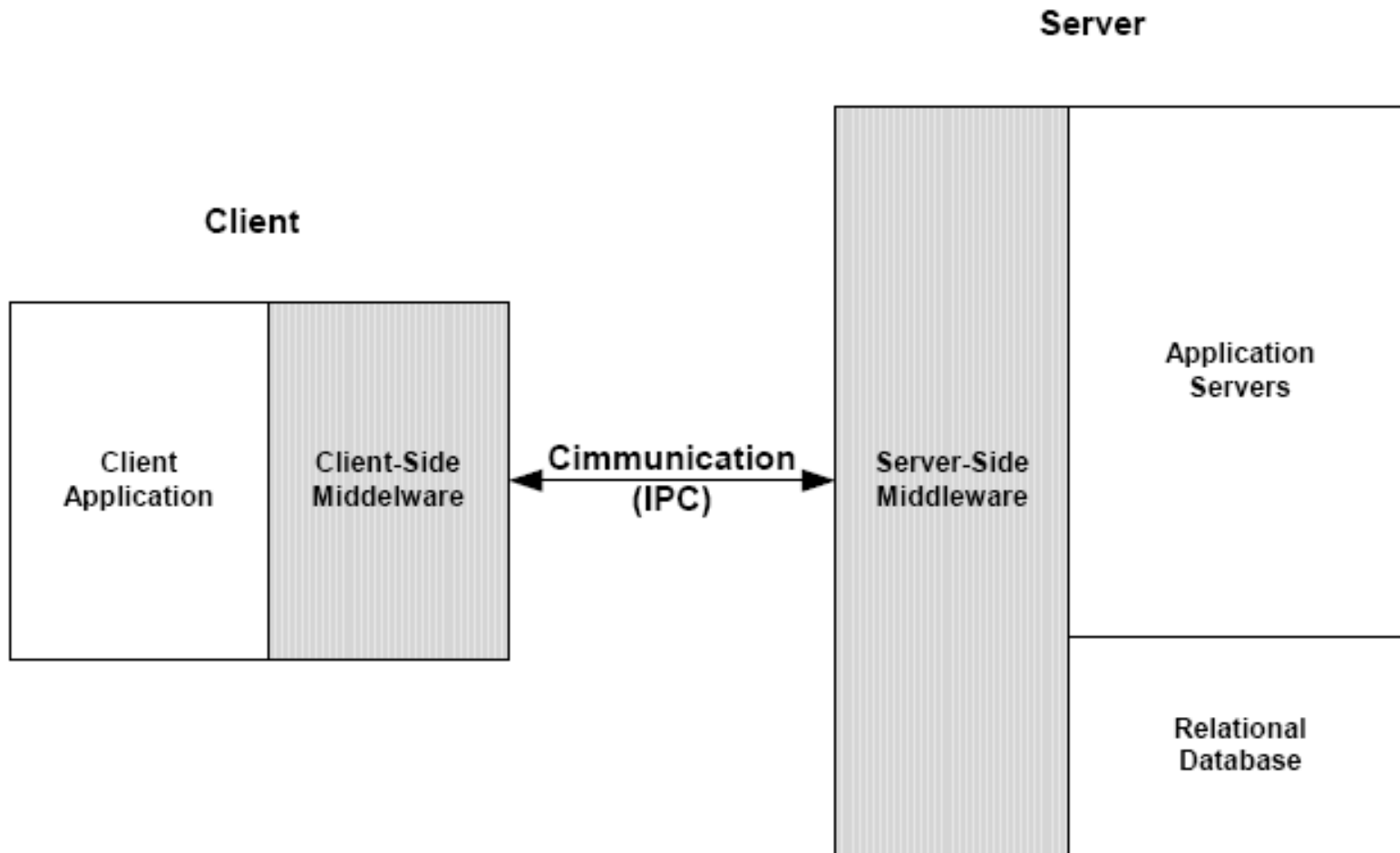
Client/Server 2-Tier Architecture



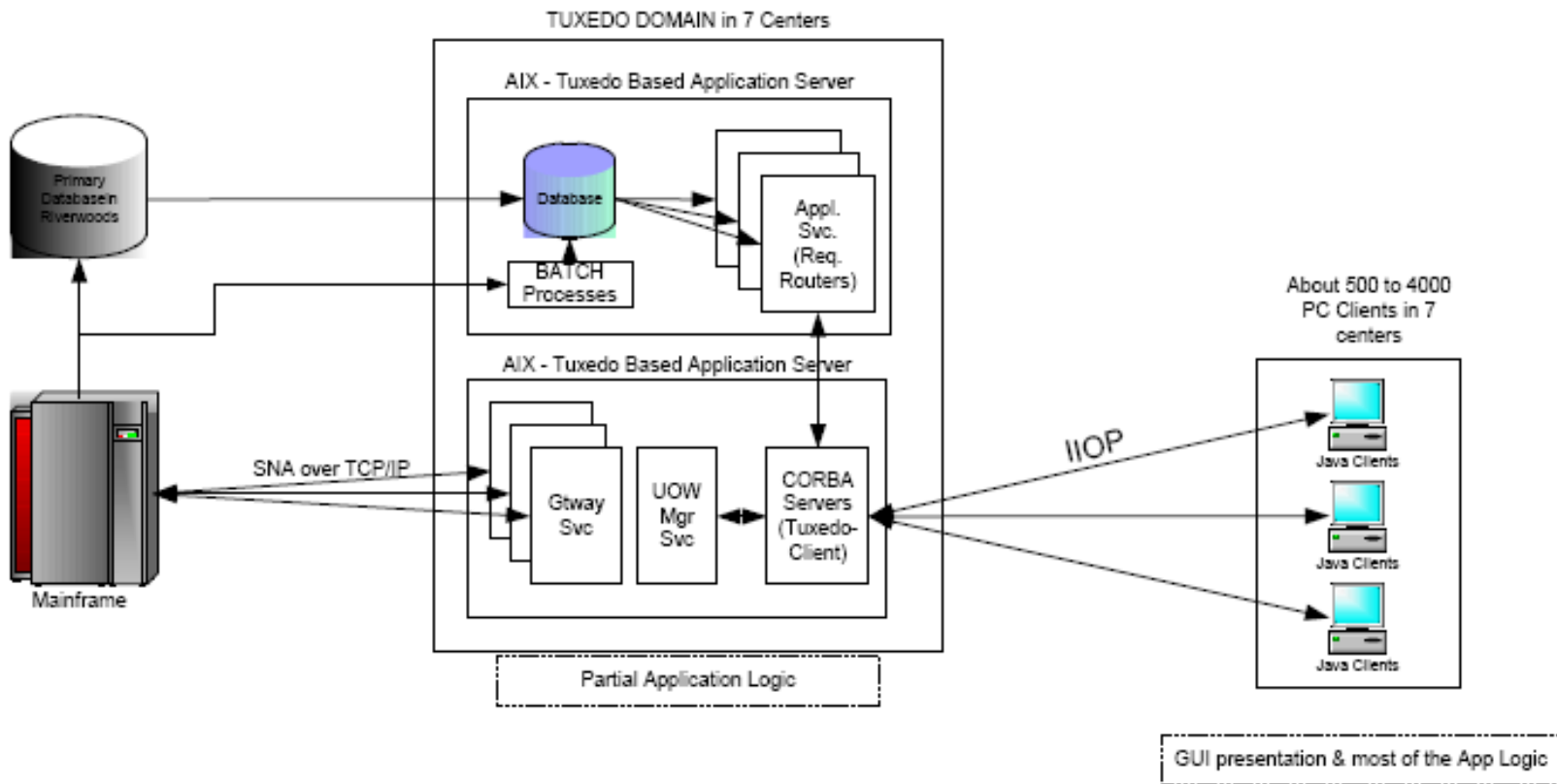
Typical 3 – Tier Architecture



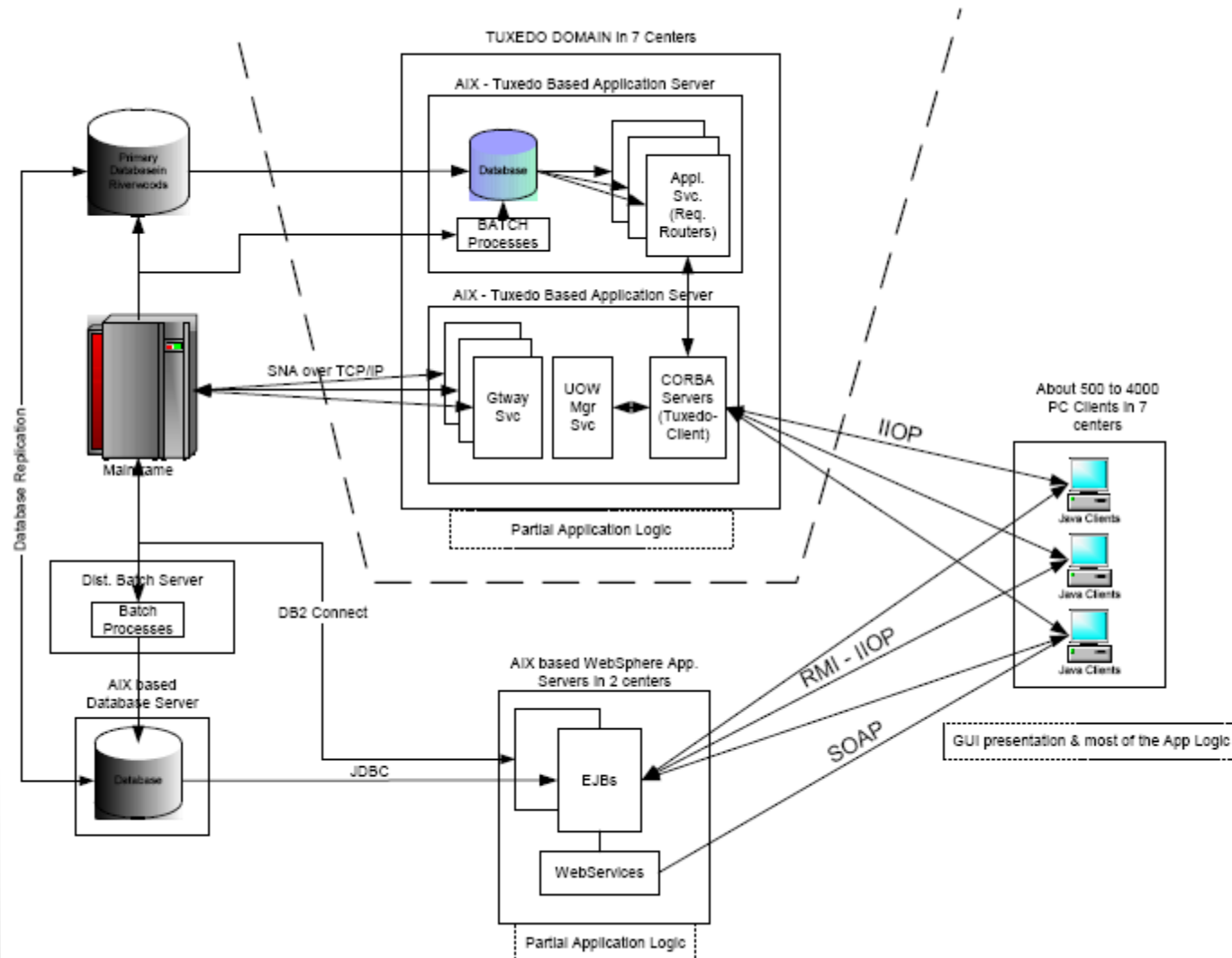
Middleware



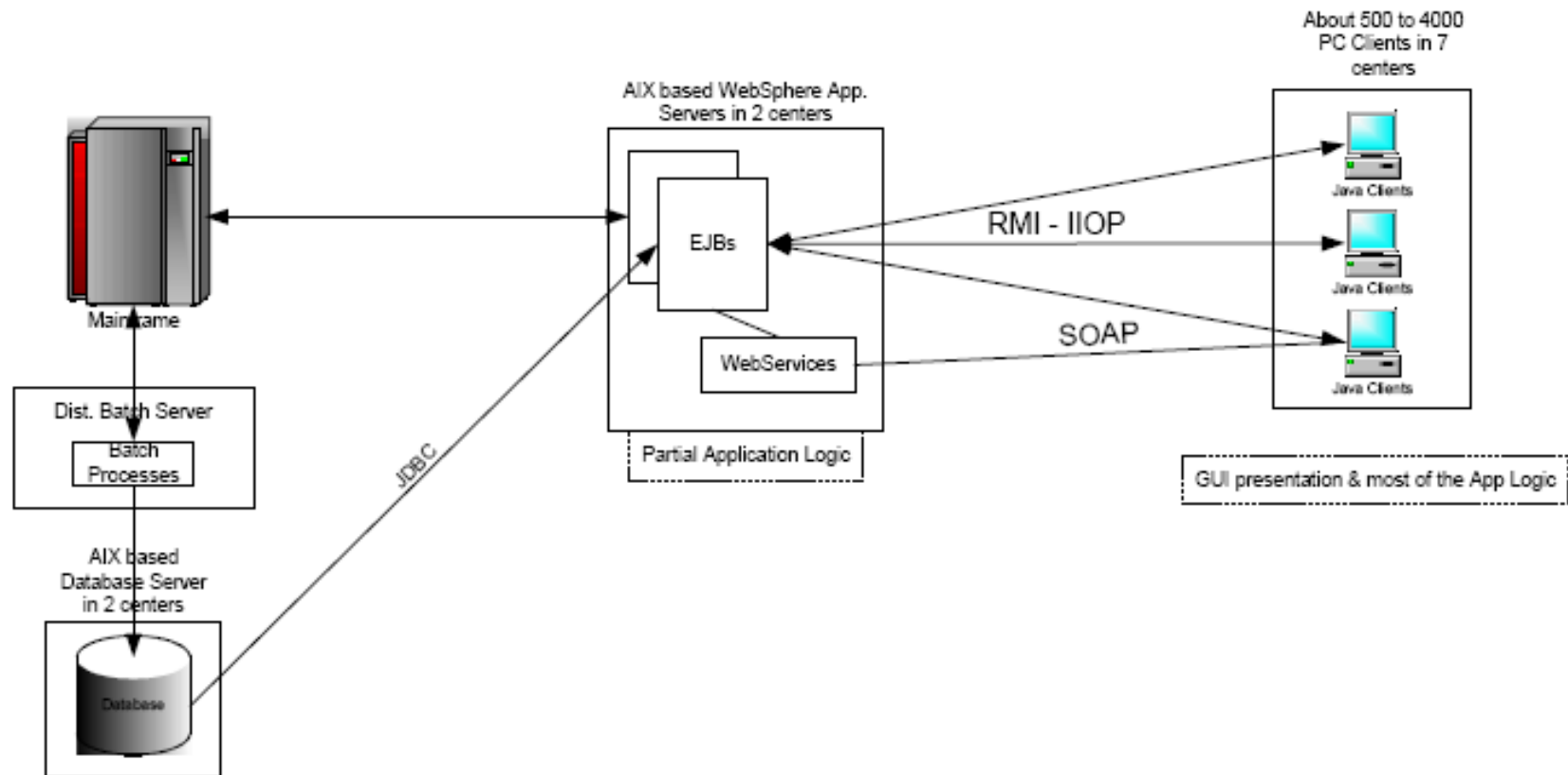
Example: Architectures in Discover Financial Services



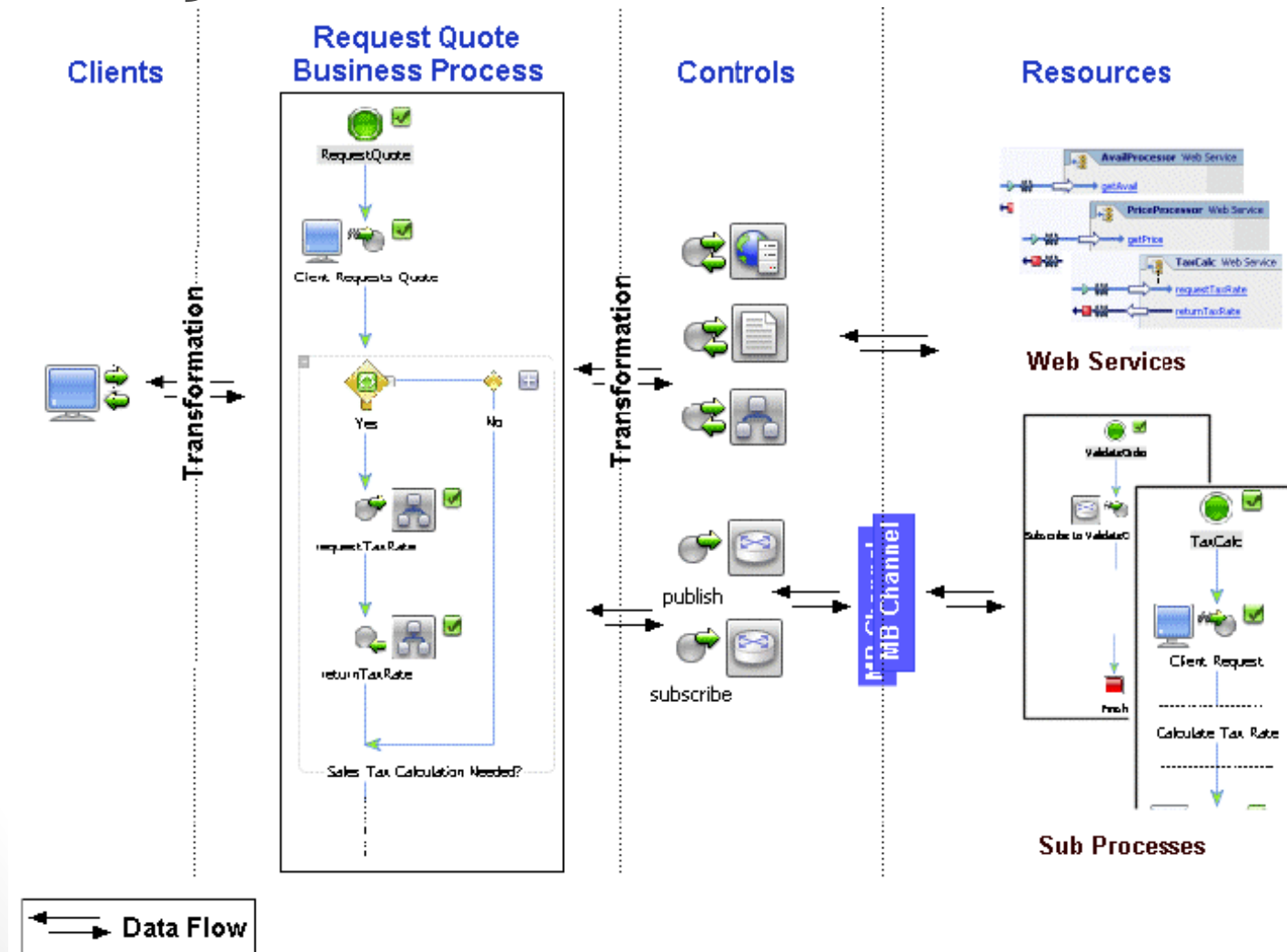
Migration from DAS- Tuxedo to WebSphere based system



Future WebSphere Based 3-Tier Architecture



Business Process Management (BPM)



Fuente: Channu Kambalyal