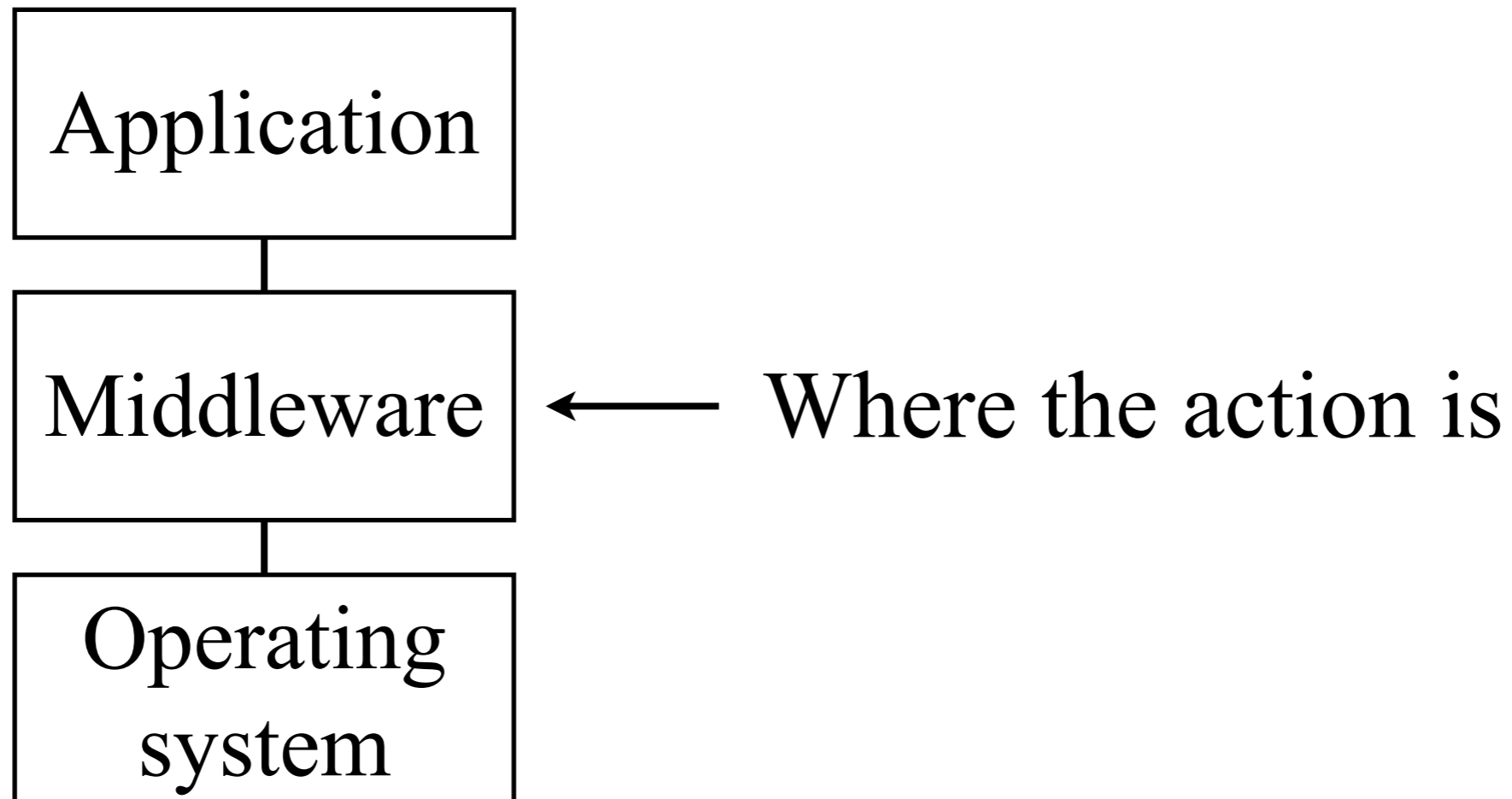


CDSII: Revision

General architecture



Middleware models

- RPC
- Object-oriented (OOM)
- Message-oriented (MOM)
- Event-based (EBM)

Essential internal middleware services

- time/causality
 - vector clocks, clock synchronisation, ...
- replica consistency management
 - quorum assembly, distributed transactions, ...
- group management
 - leader election
- mutual exclusion

Very useful services for the middleware to provide

- naming
 - find objects that constitute the application
- access control
 - determine who can do what when under which circumstances
- storage
 - transient doesn't last forever