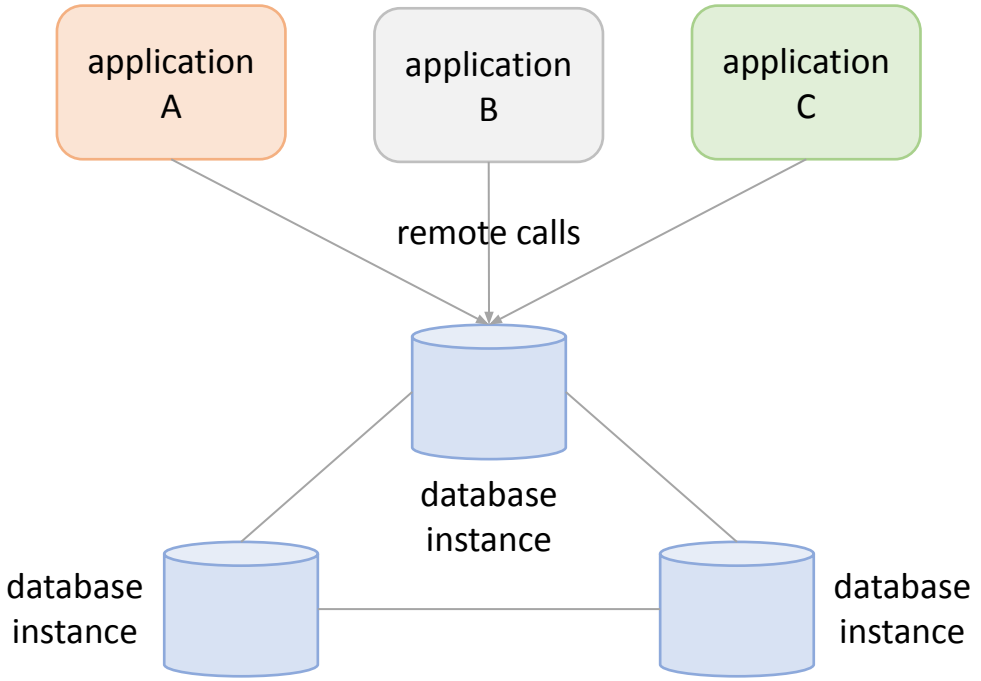
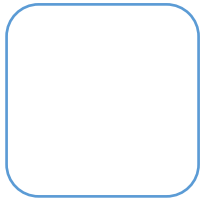
# Embedded database




I'd rather not use a remote database. And here is why...



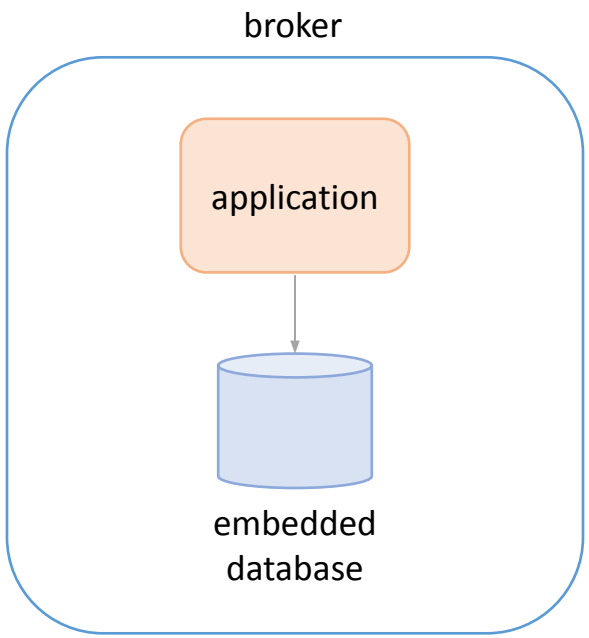
broker

- latency (every message insertion and retrieval results in a remote call)
- failure modes (slow database, unavailable database, traffic bursts)
- cost (dollar cost at large scale)

# Embedded database

## facts

- lightweight in size and resources it uses
- fast
- there are SQL and NoSQL embedded databases
- supported storage modes: in-memory, on-disk, combined (hybrid)




## usage

- several distributed databases use them as a backend storage engine
- mobile devices use embedded databases
- IoT devices use them
- as a replacement for ad hoc disk files
- as a local cache