

Scaling and bottlenecks

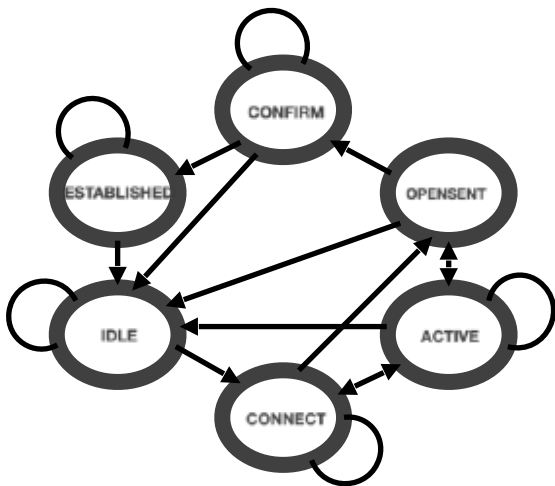
Withdraw



Deposit



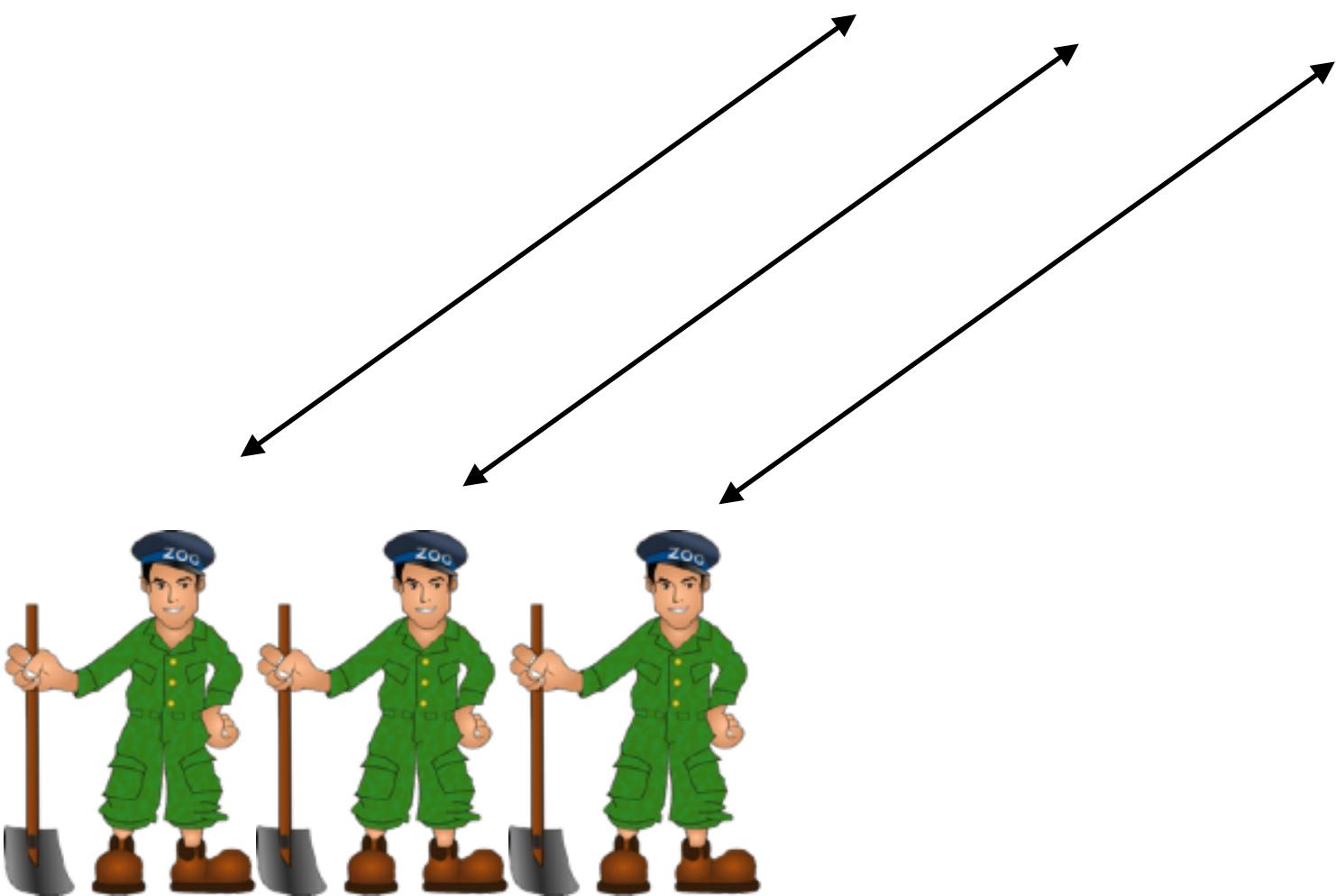




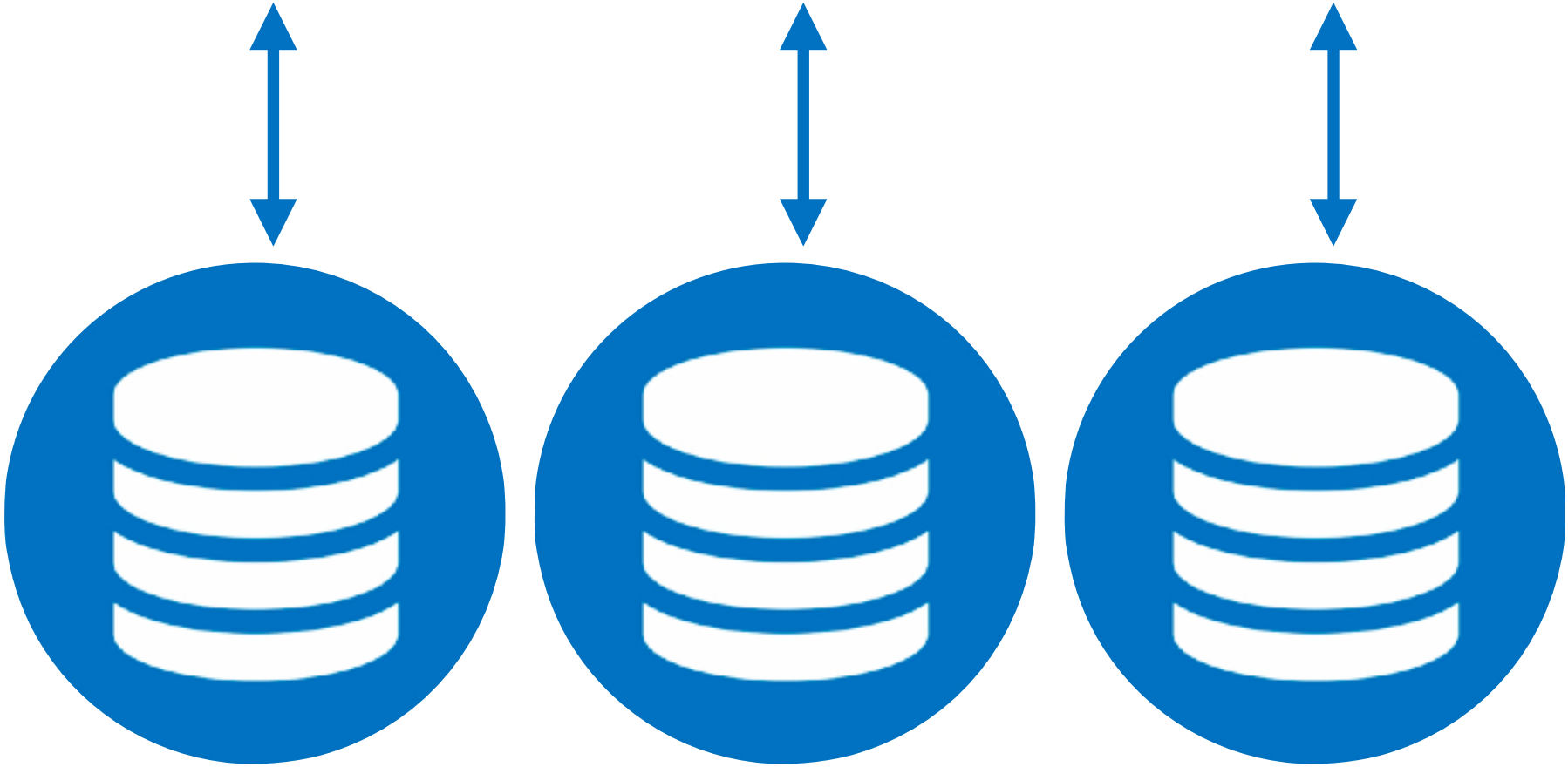
Threads



Timers



APACHE
ZooKeeper™

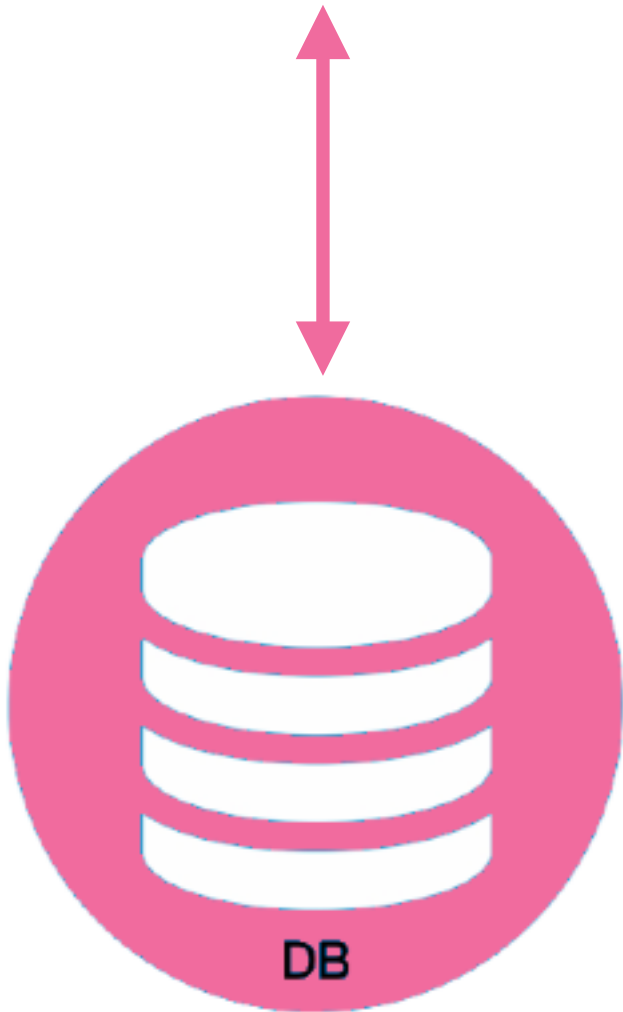




Transfer







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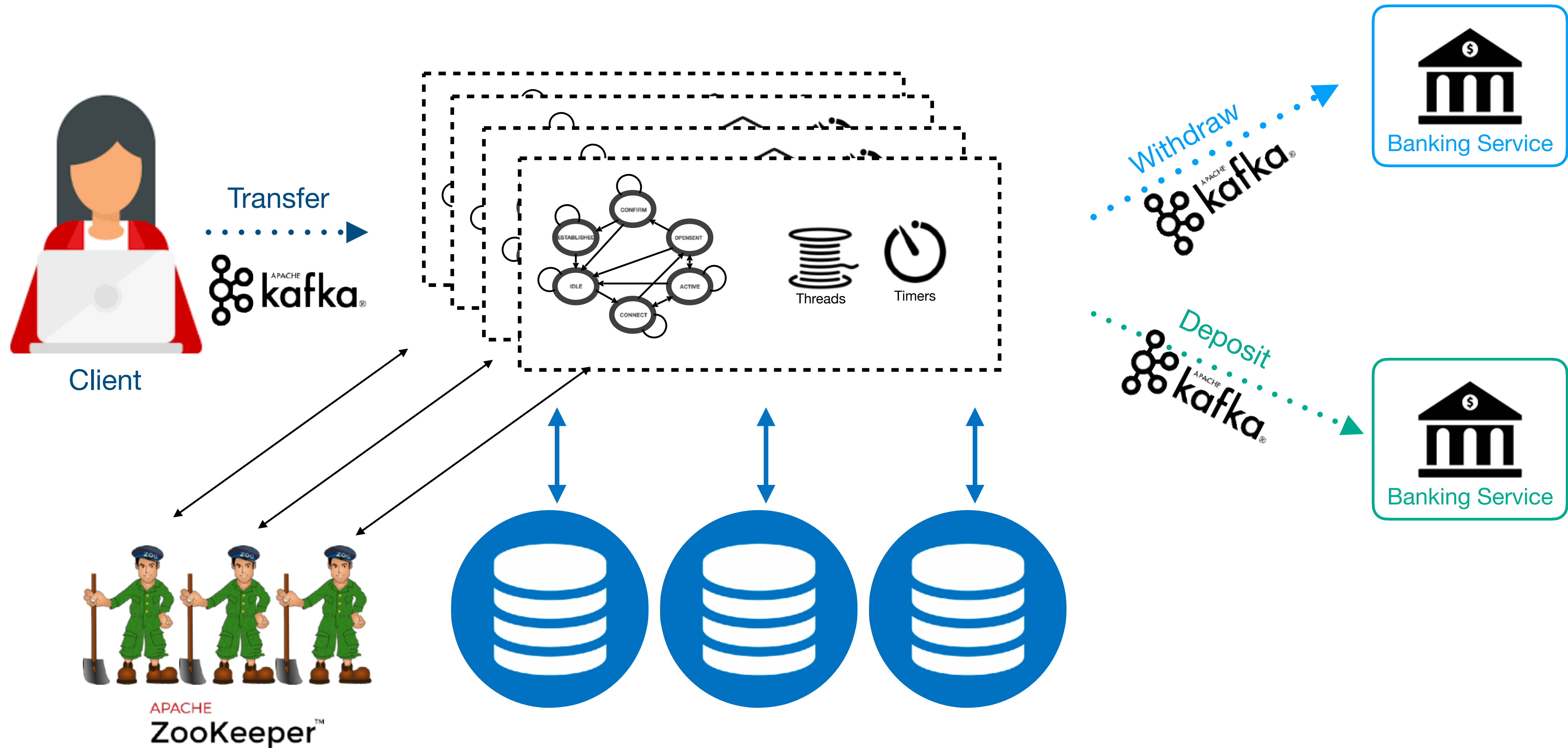


Banking Service



Banking Service

Scaling and bottlenecks



Introducing Temporal

Workflows

```
public void transfer(Account from,
                    Account to,
                    String refId,
                    Amount amount) {

    accounts.withdraw(from, amount, refId);
    accounts.deposit(to, amount, refId);
}
```

Service

```
public class TransferActivitiesImpl implements TransferActivities {

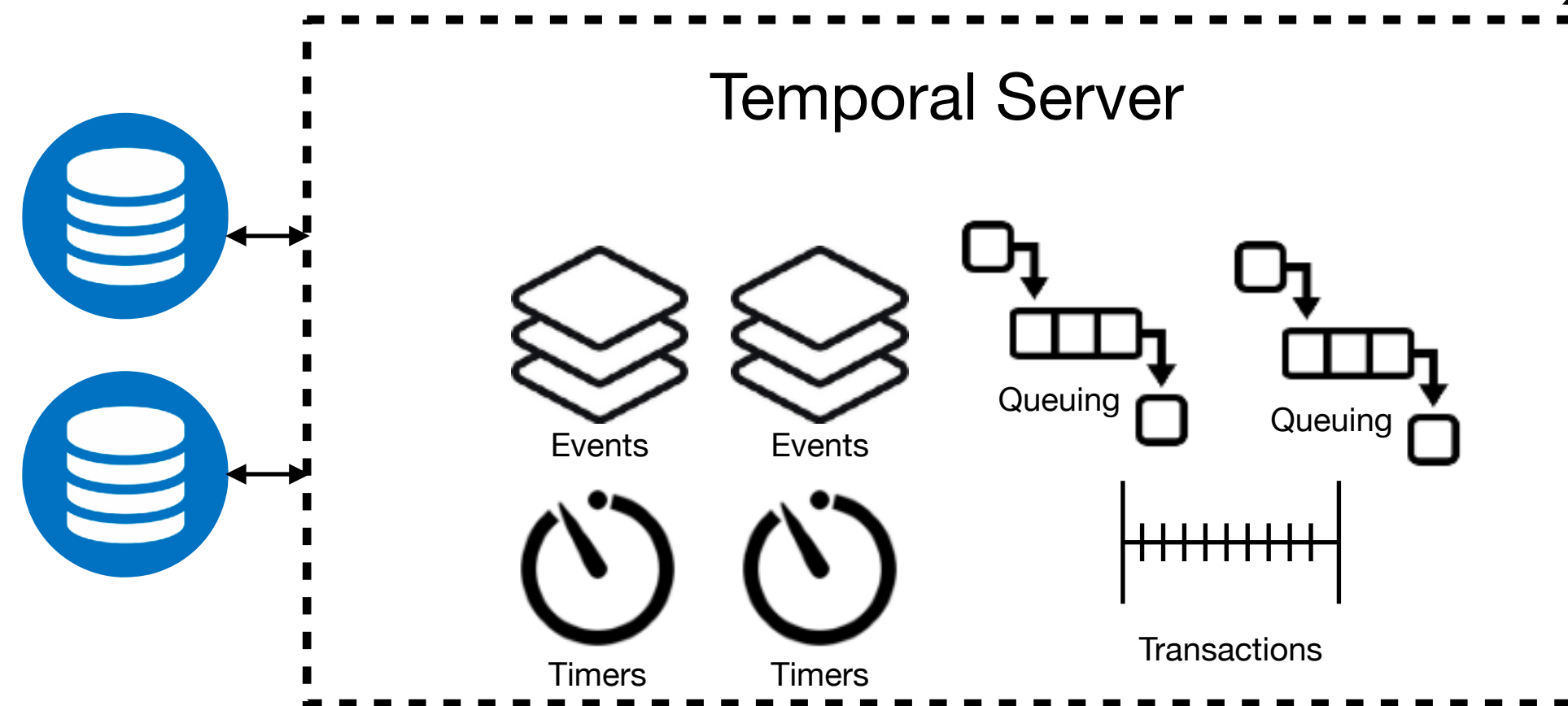
    @Override
    public void withdraw(Account account, Amount amount, String refId) {
        // ...
    }

    @Override
    public void deposit(Account account, Amount amount, String refId) {
        // ...
    }
}
```

Activities



Client



Banking Service



Banking Service