

∅ ArchJava Component Dynamic Configuration

∅ Ticket Reservation System :  
Implementations in ArchJava

∅ Resource Allocation – Case Study

# ArchJava Component Dynamic Configuration

- Ø Configuration Pattern

- Ø Three possible implementation

  - Ø Manual

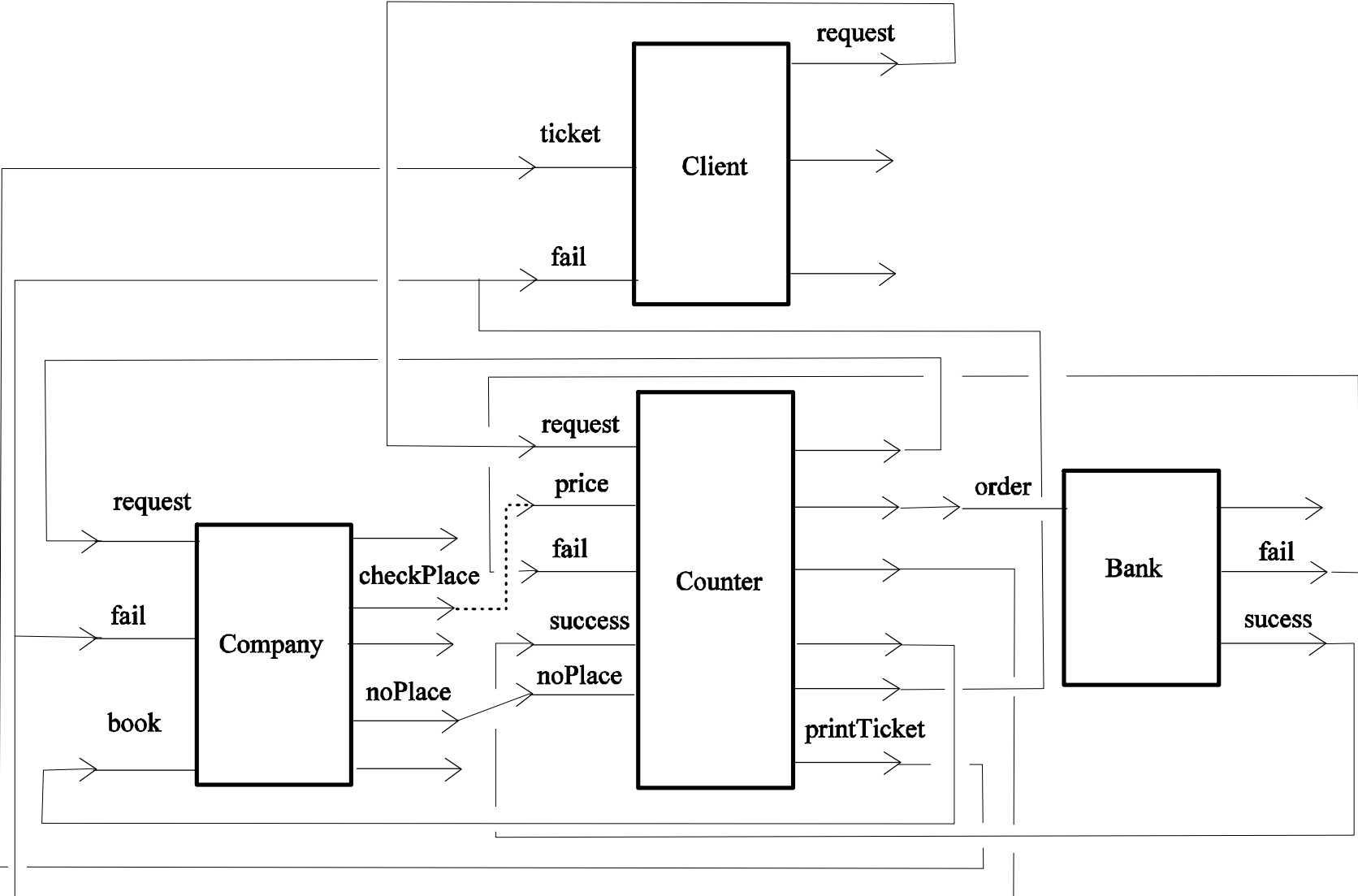
  - Ø Use of Component Generators

  - Ø Use of Software Connectors

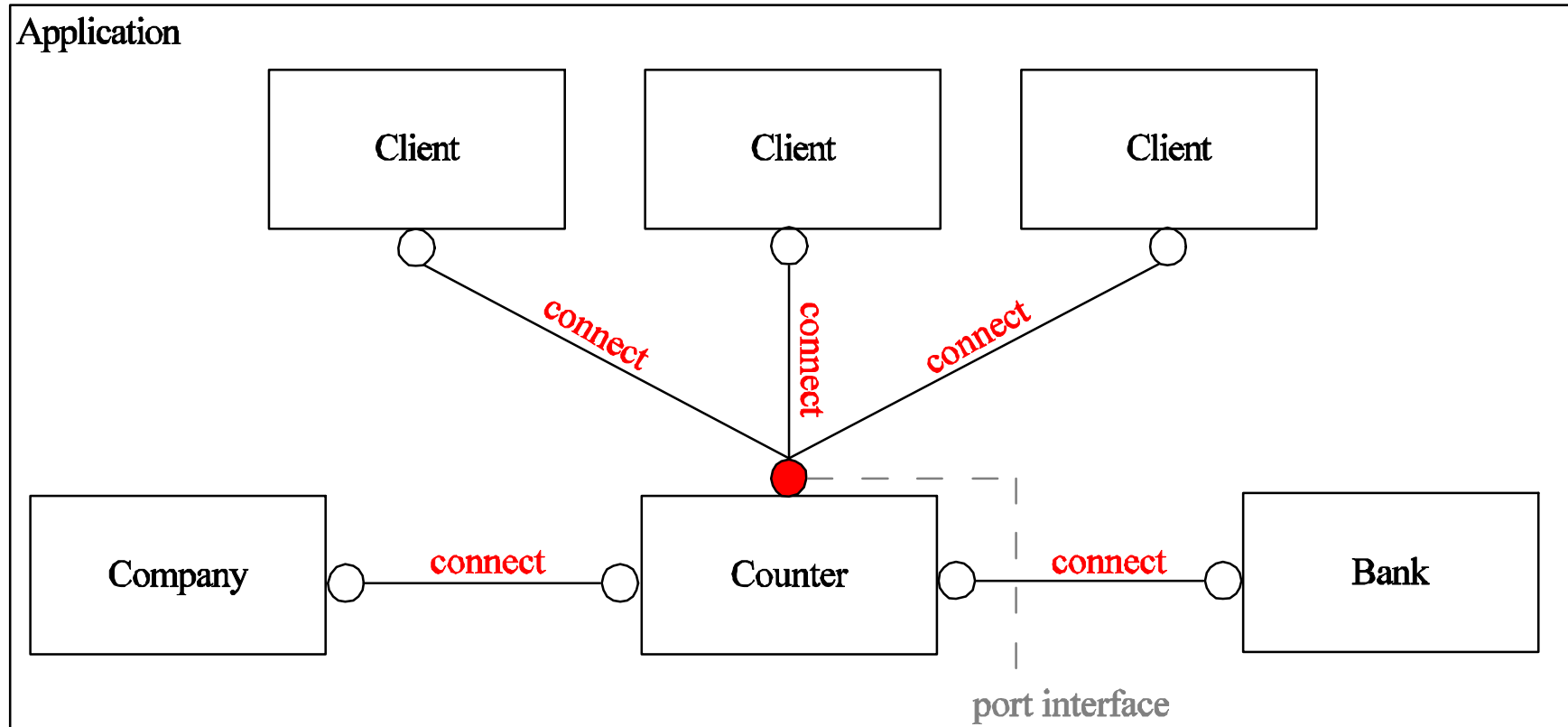
- Ø Software Product Lines

- Ø Article for SPLC2004 - Boston

# Ticket Reservation System



# L'architecture ArchJava



∅ style programmation

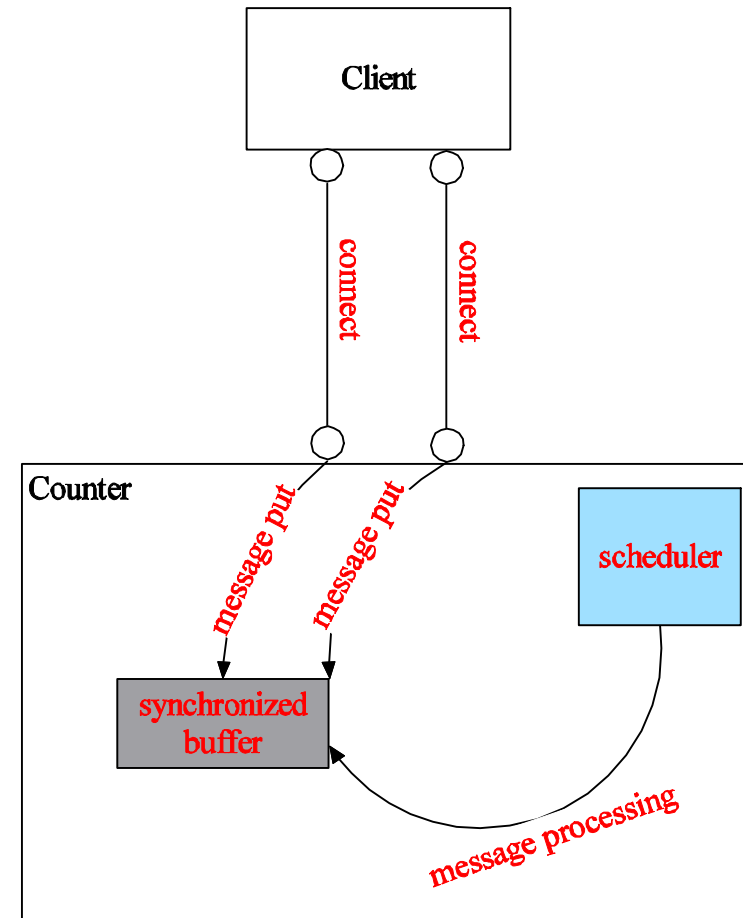
∅ buffer dans le receveur

∅ connecteurs

∅ AsCC (Asynchronous Communication Component)

# Buffer synchronisé dans le receveur

- ∅ buffer limité
- ∅ buffer management mélangé dans le code métier
- ∅ participation dans communication synchrone/asynchrone



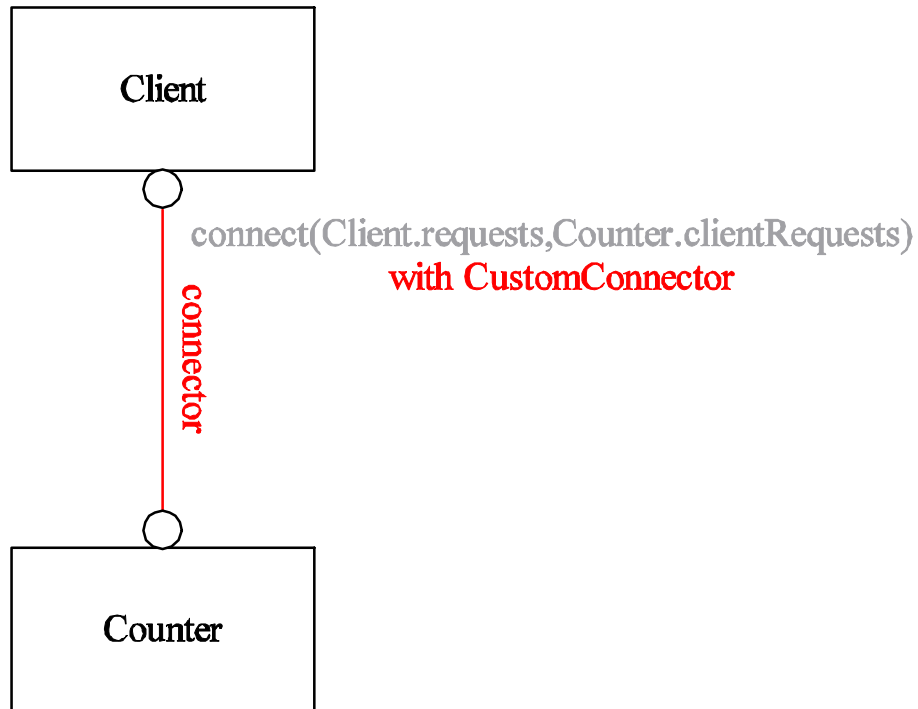
∅ composant + générateur  
ou

∅ composant + aspects



composant asynchrone

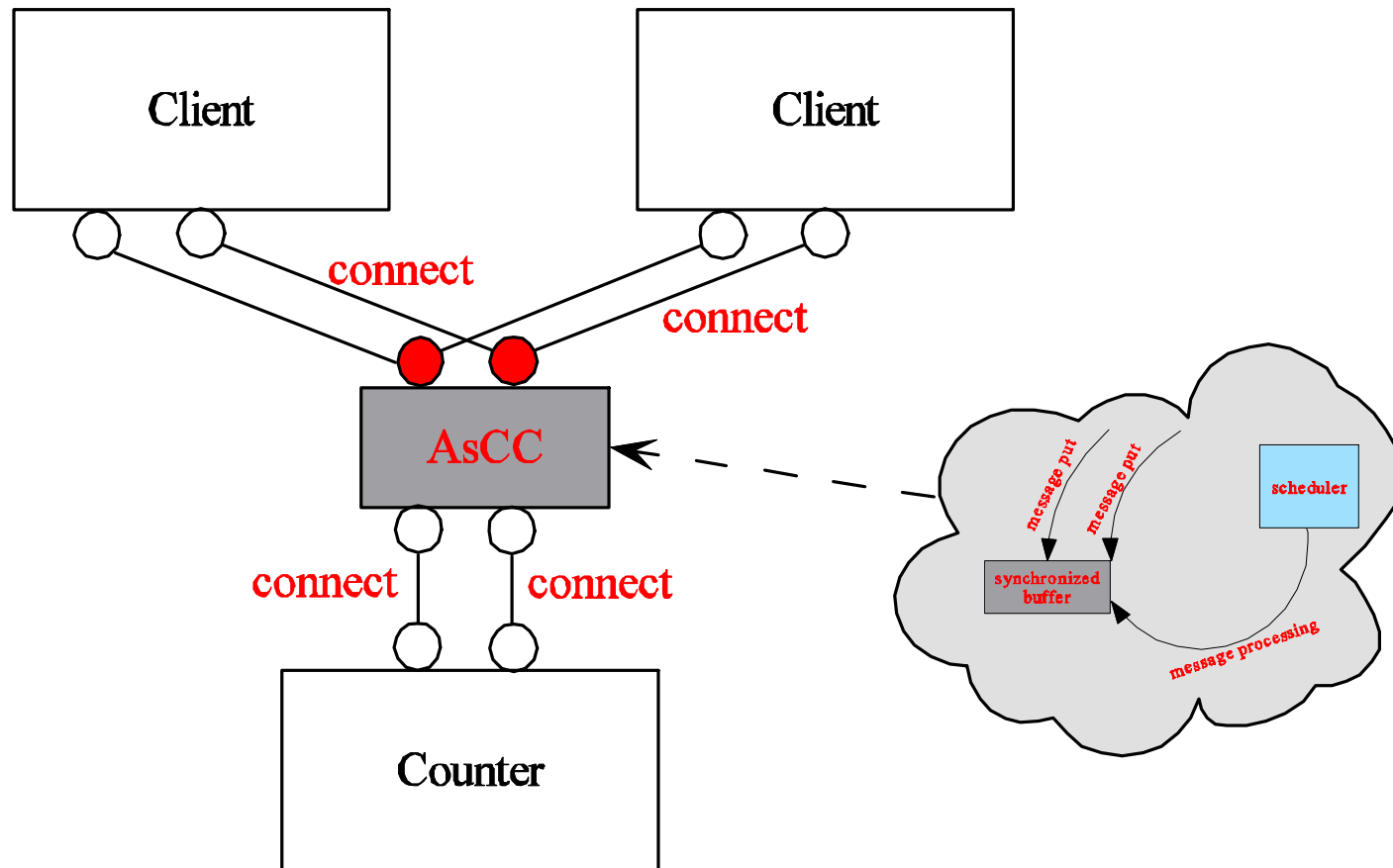
# Connecteurs ArchJava



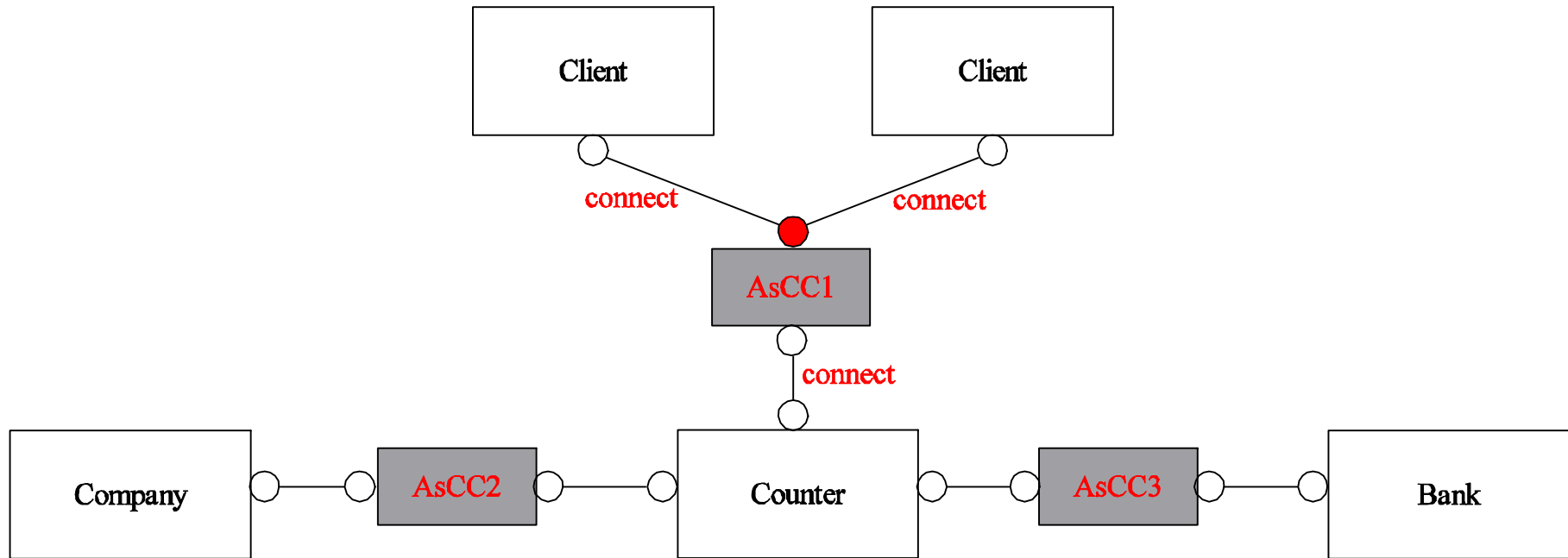
- Ø connecteurs = objets Java
- Ø mécanisme réflexive
- Ø réification des appels de méthodes

- Ø génération du connecteur
- Ø connecteur général

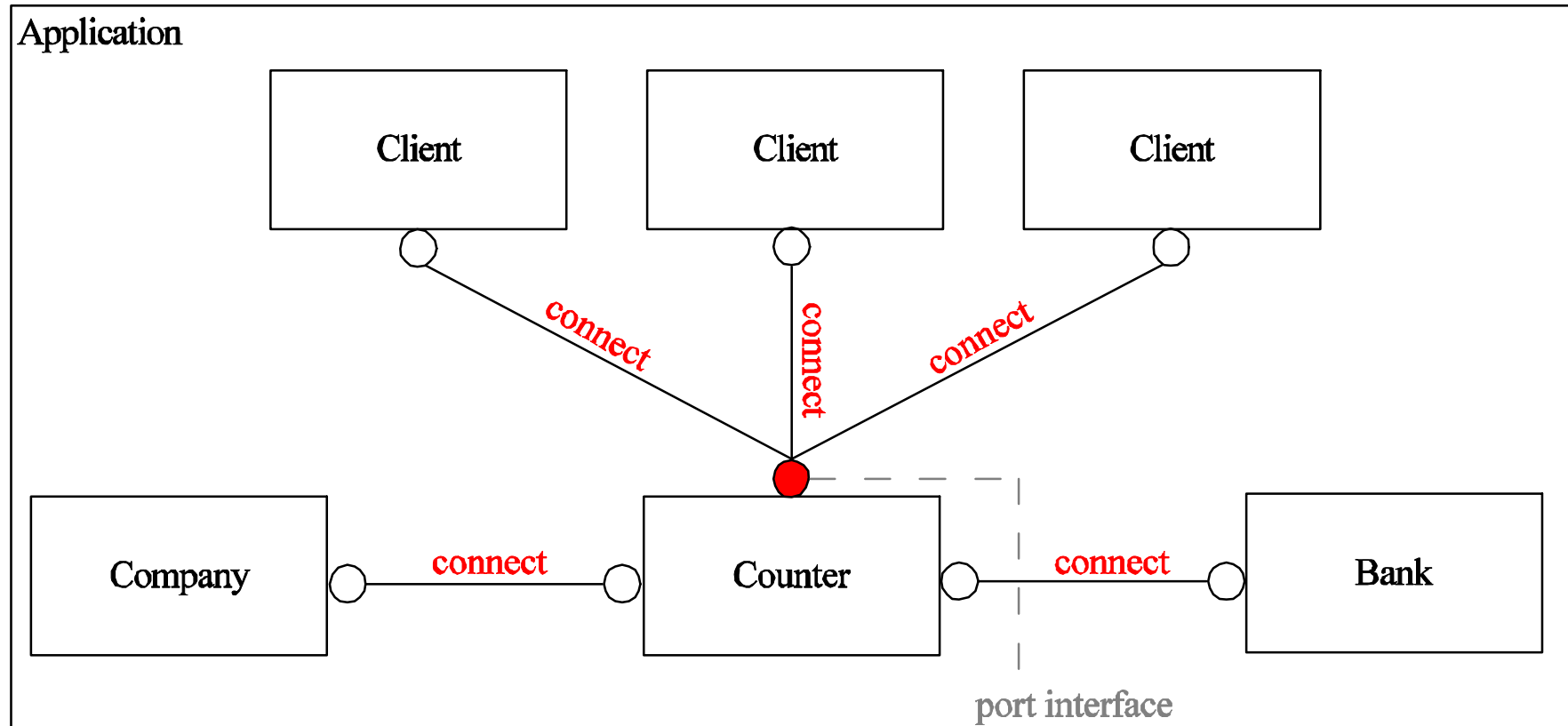
# Asynchronous Communication Component



# Image d'ensemble



# Availability Properties ?



# Resource Allocation

