service (EJB3 beans) TransactionUpdater execute(): void recalculate(List<TTransaction>) findDirtvElements(Date, Date, TChargeAccount) **TransactionArguments** □ acttr : TTransaction □ oldtr : TTransaction «admin, customer» □ type : int **TransactionService** em : EntityManager find(SelectByArguments) -Transactional makeTransaction(TransactionArguments) edit(TTransaction) : void (guilt-free) «admin, customer» MarketService «admin, customer» **AbstractService** em: EntityManager find(Object): T findAll() : List<T> create(T) : void «admin» edit(T): void **CAService** remove(T) : void □ em : EntityManager **B** «admin, customer» ClusterService □ em : EntityManager