

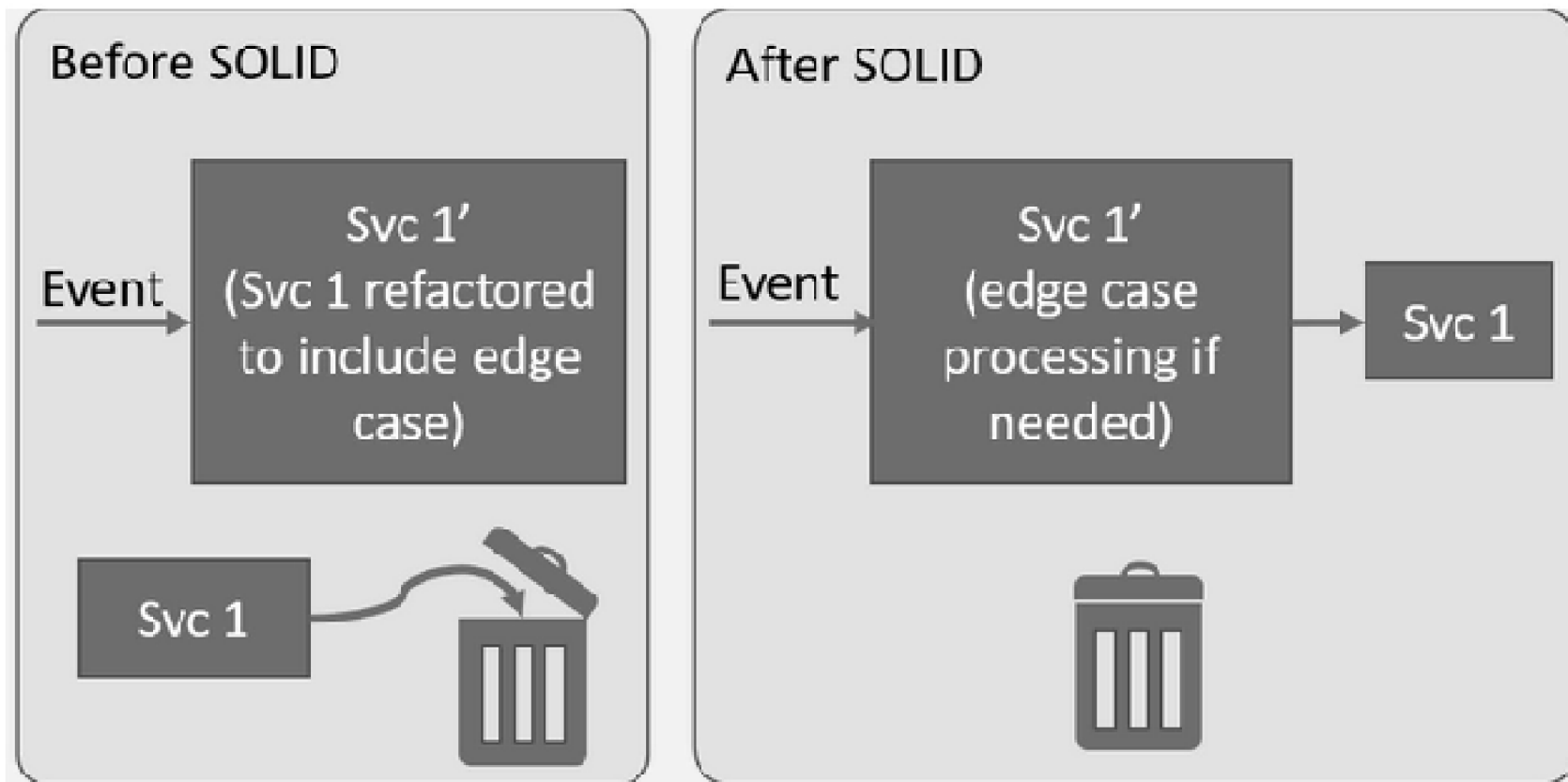
Sisteme Distribuite

Cursul 7

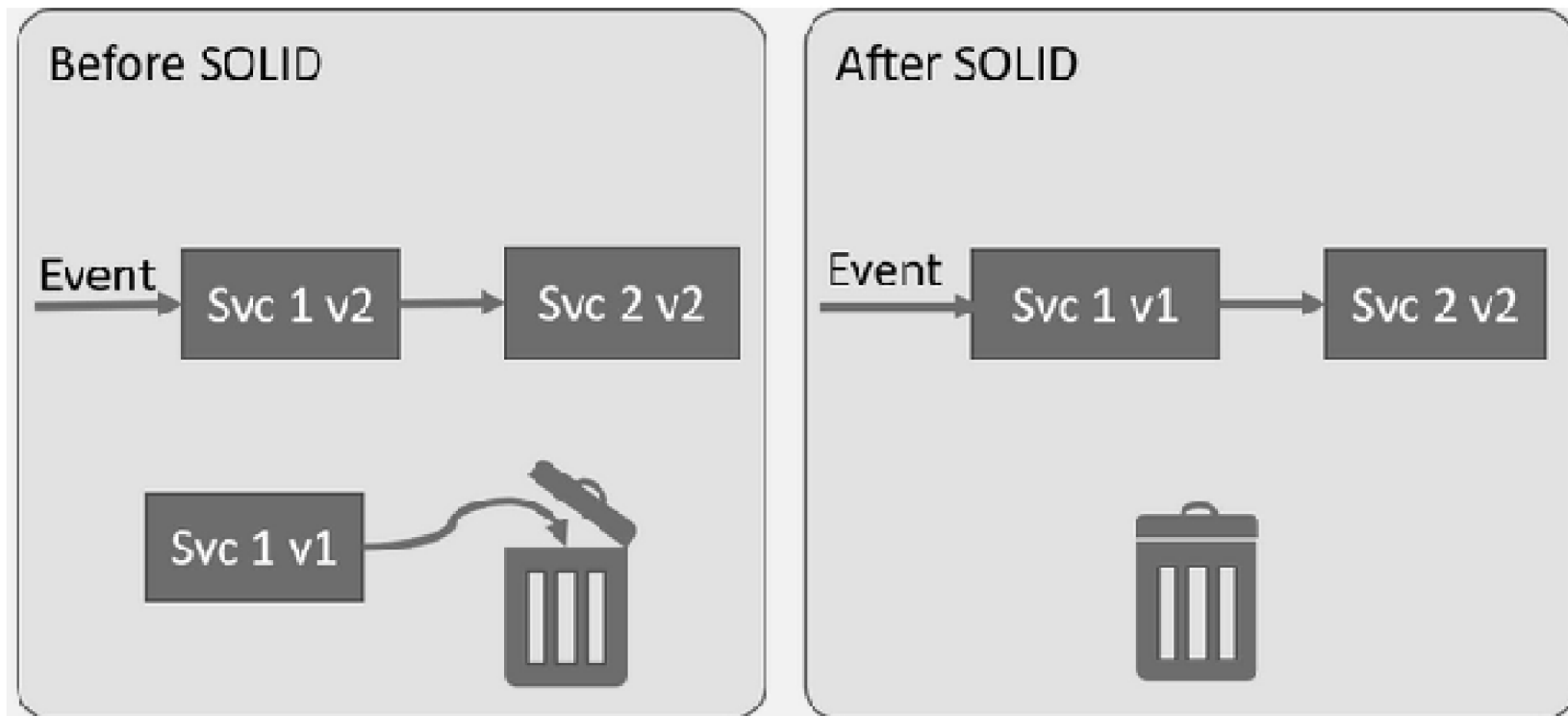
Principul responsabilității unice



Deschis pentru extindere închis pentru modificare



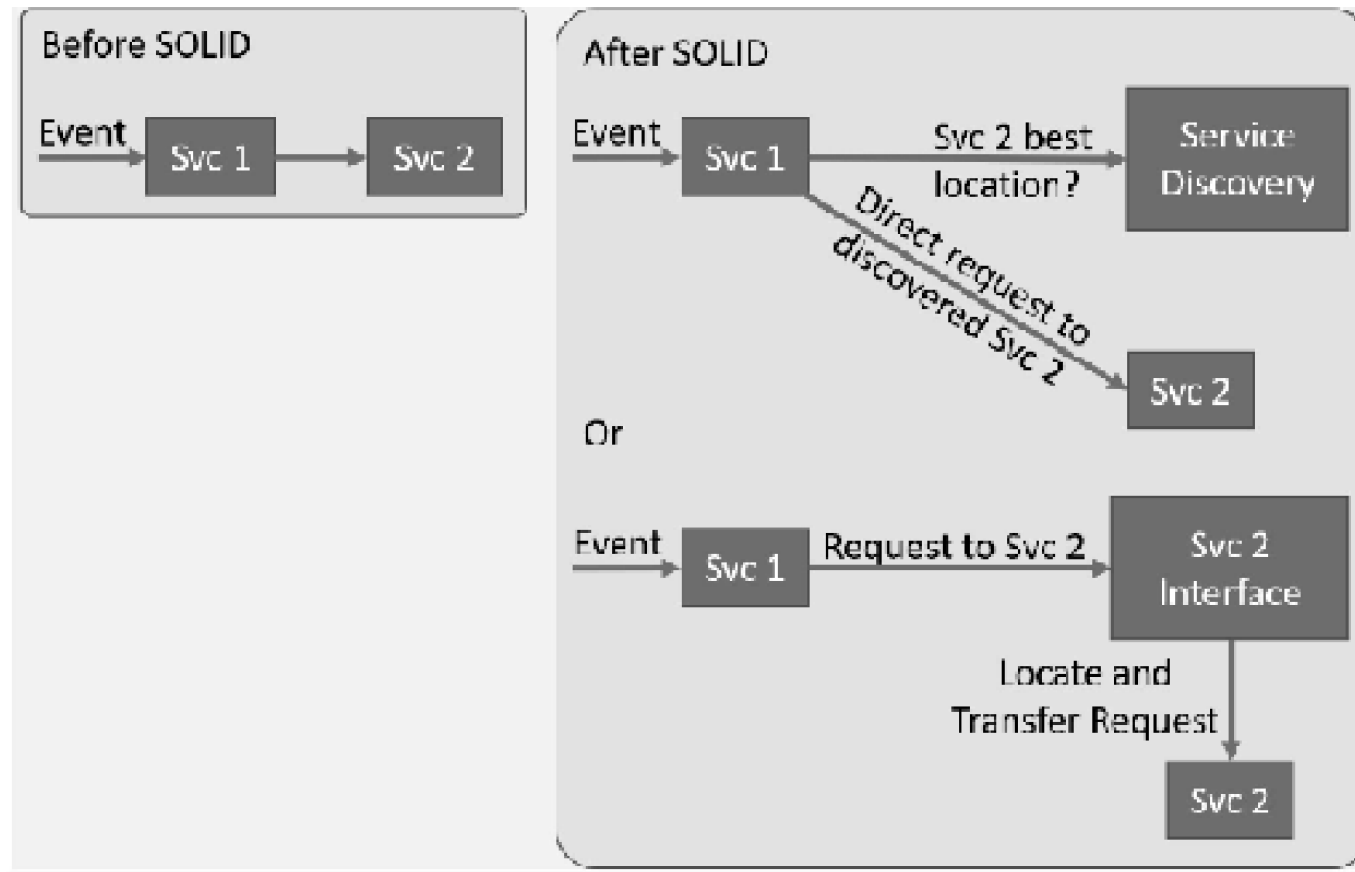
Substituția Liskov



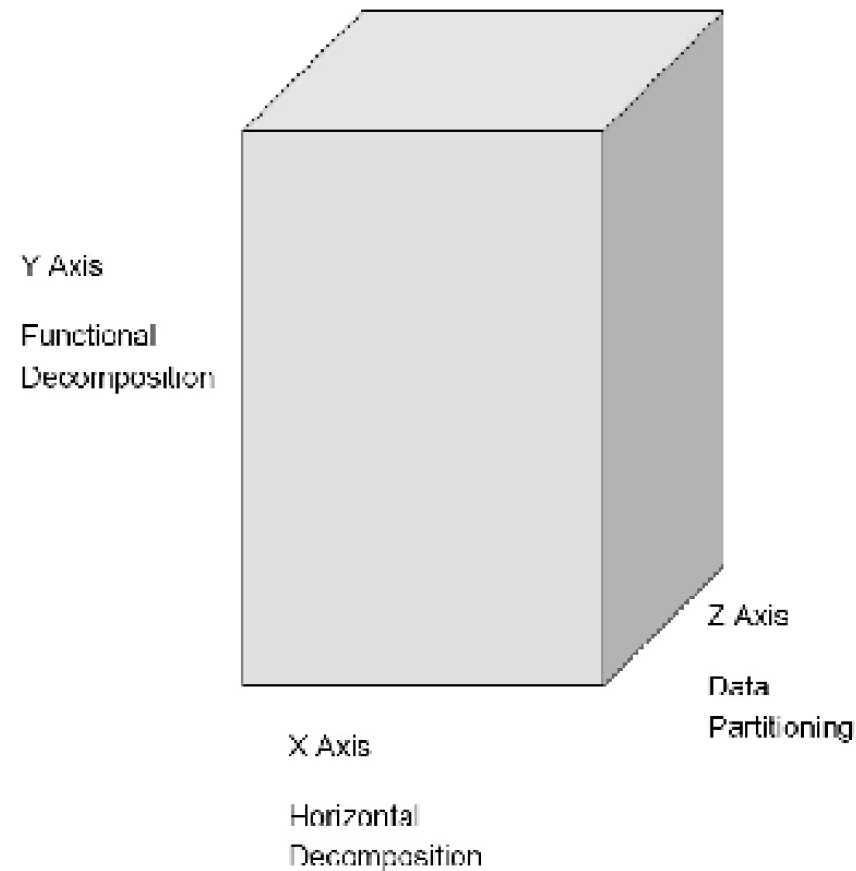
Separarea interfețelor



Controlul invers

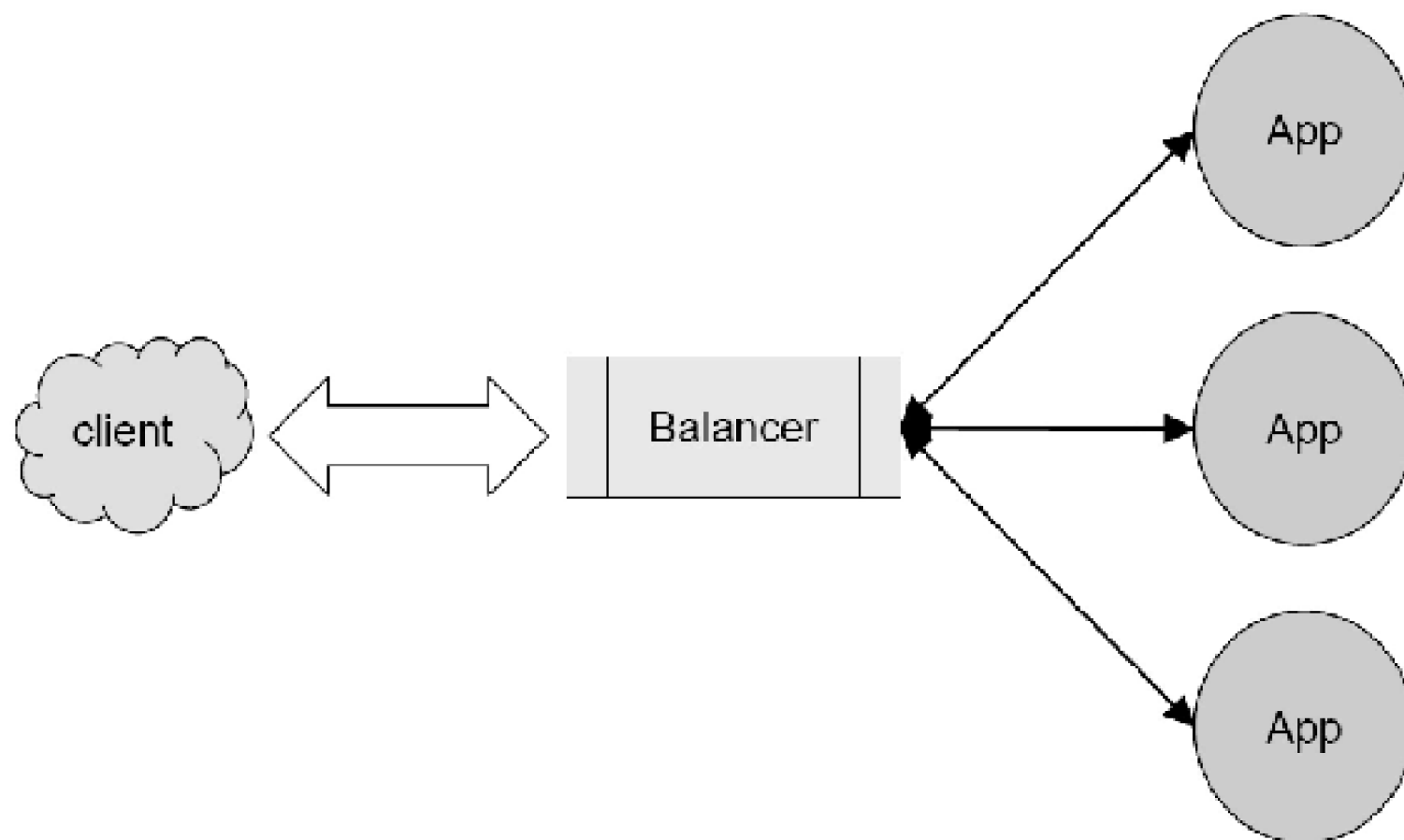


Principii de scalare a microserviciilor

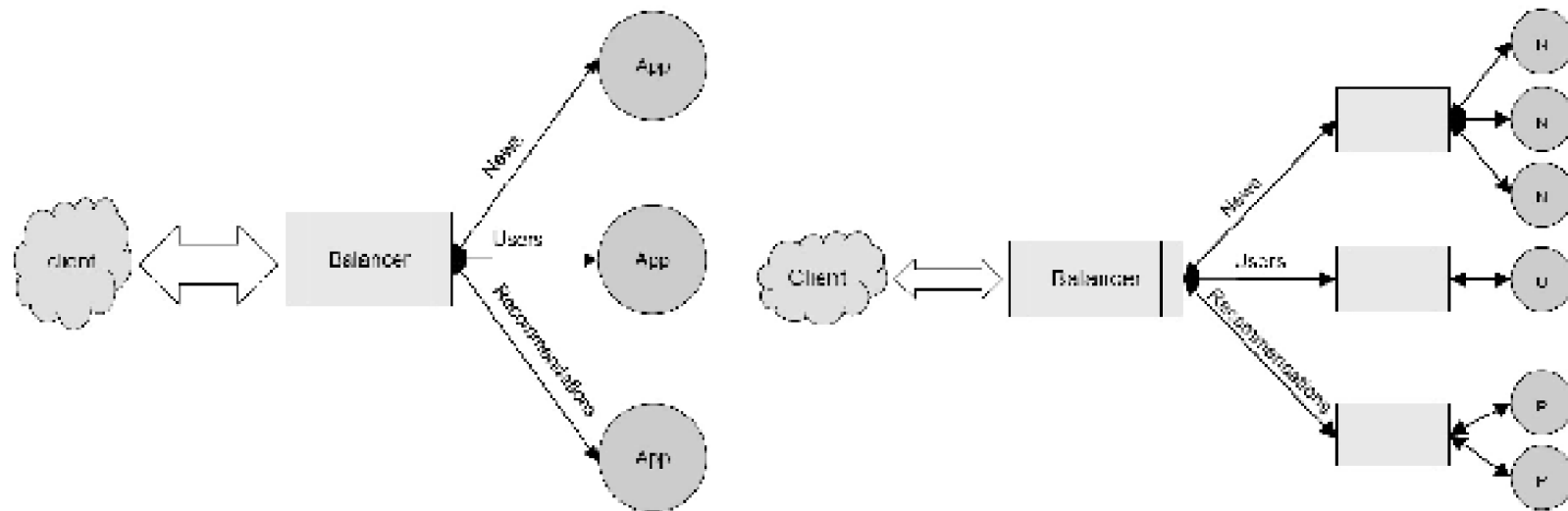


The Scale Cube

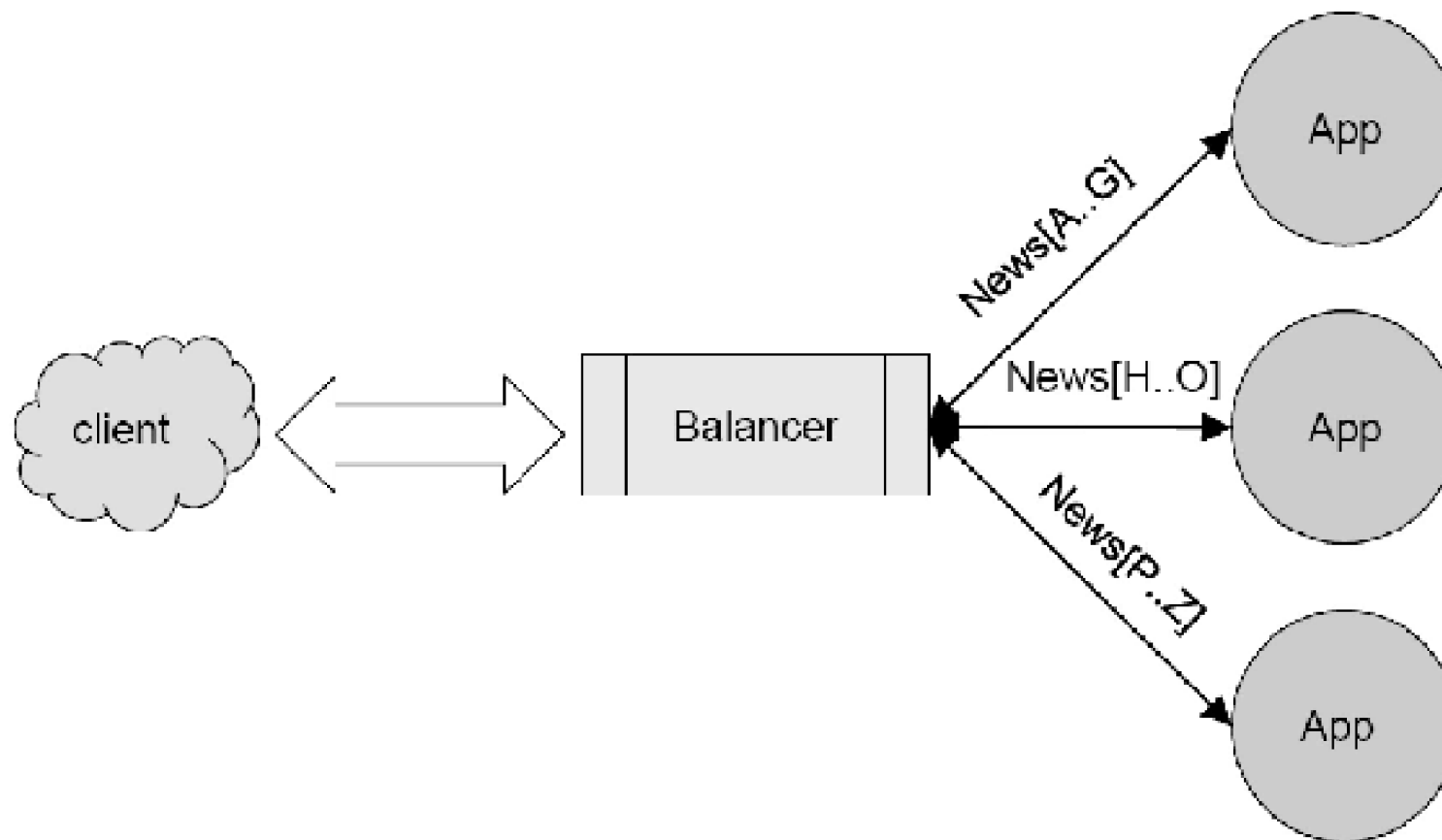
Cubul scalării - axa X



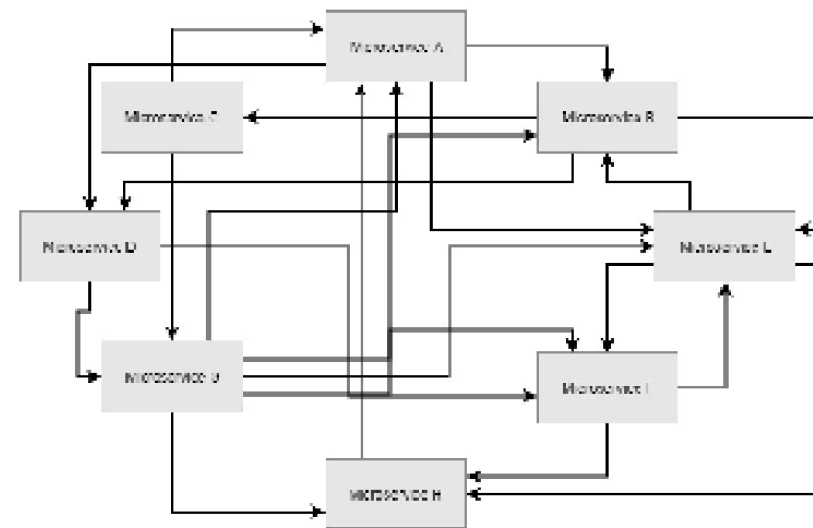
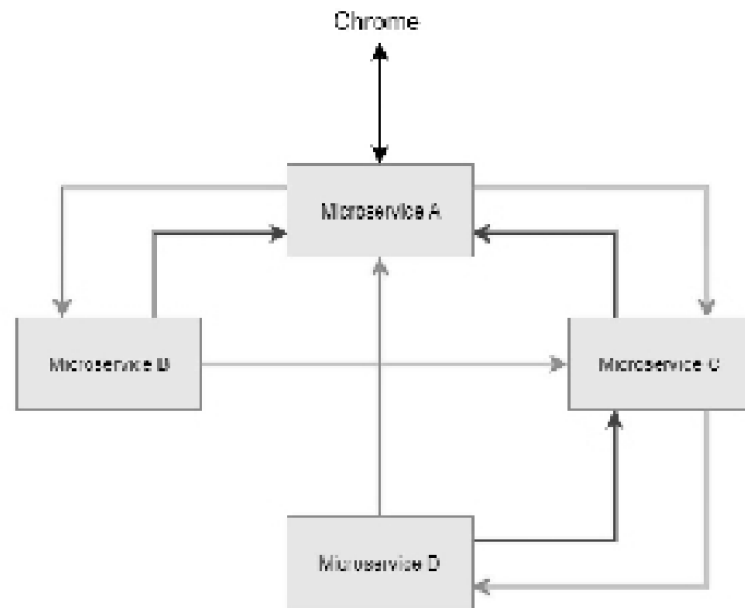
Cubul scalării - axa Y



Cubul scalării - axa Z



Steaua Morții

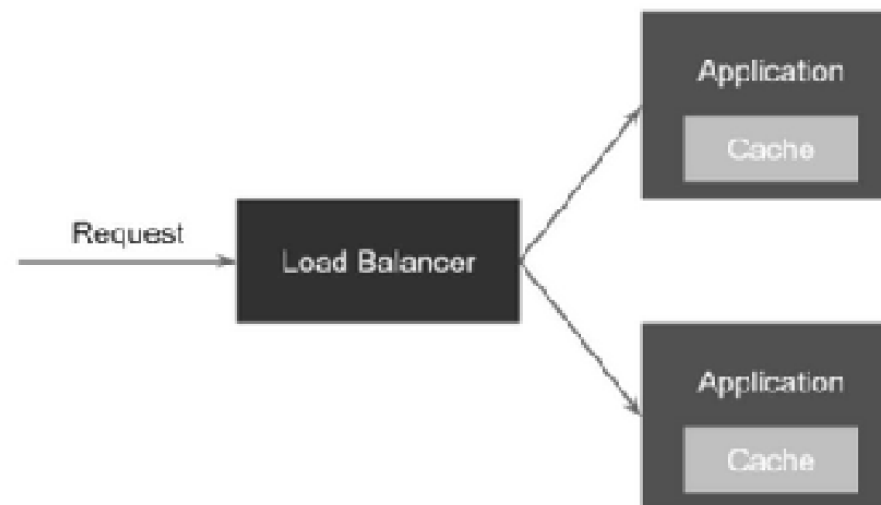


Mecanisme de caching

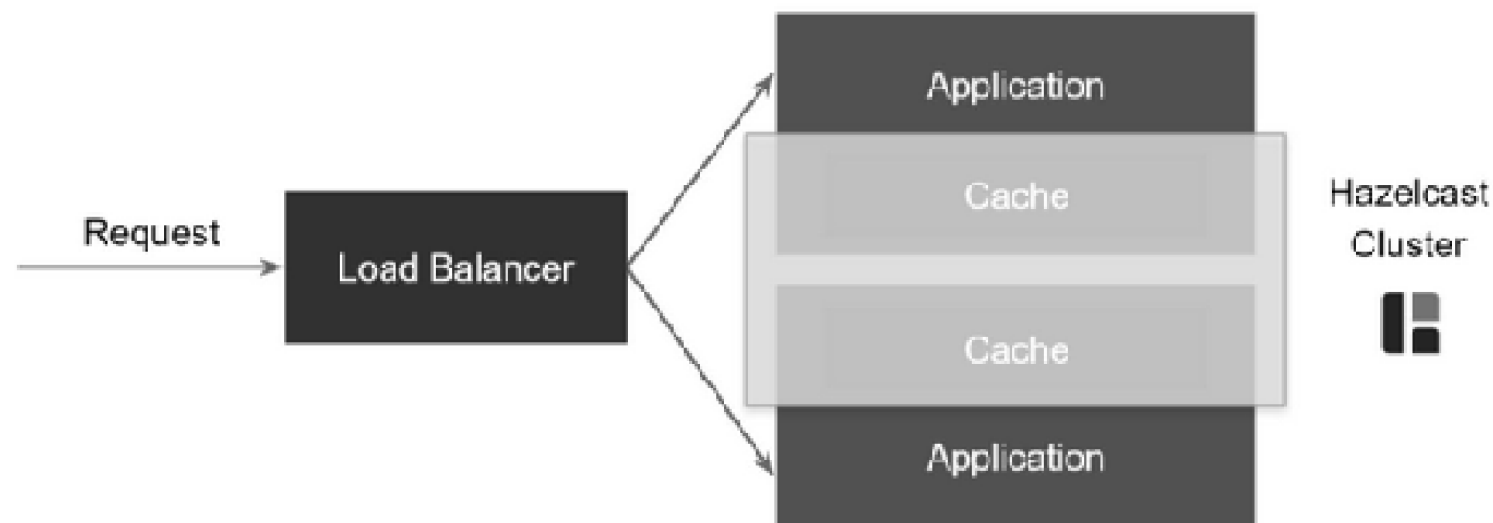
- caching?
- când?
- hand made
- Red Hat JBoss Data Grid

Modelul de proiectare - cache încapsulat (embedded)

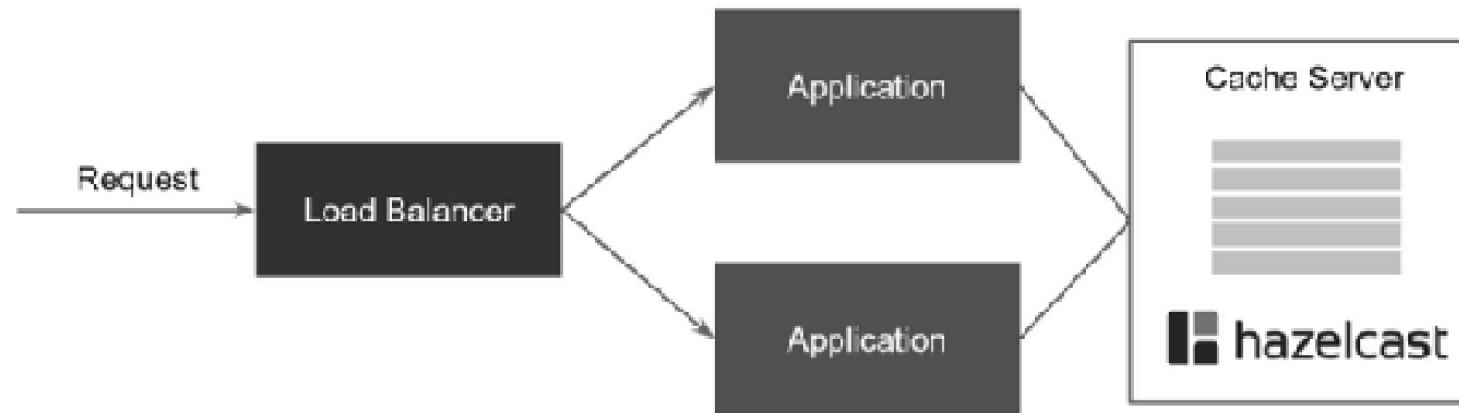
1. Cererile vin
2. modul lb transfera cererea
3. Apoi serviciul verifică duplicate
 1. Daca da valoarea
 2. altfel calcul



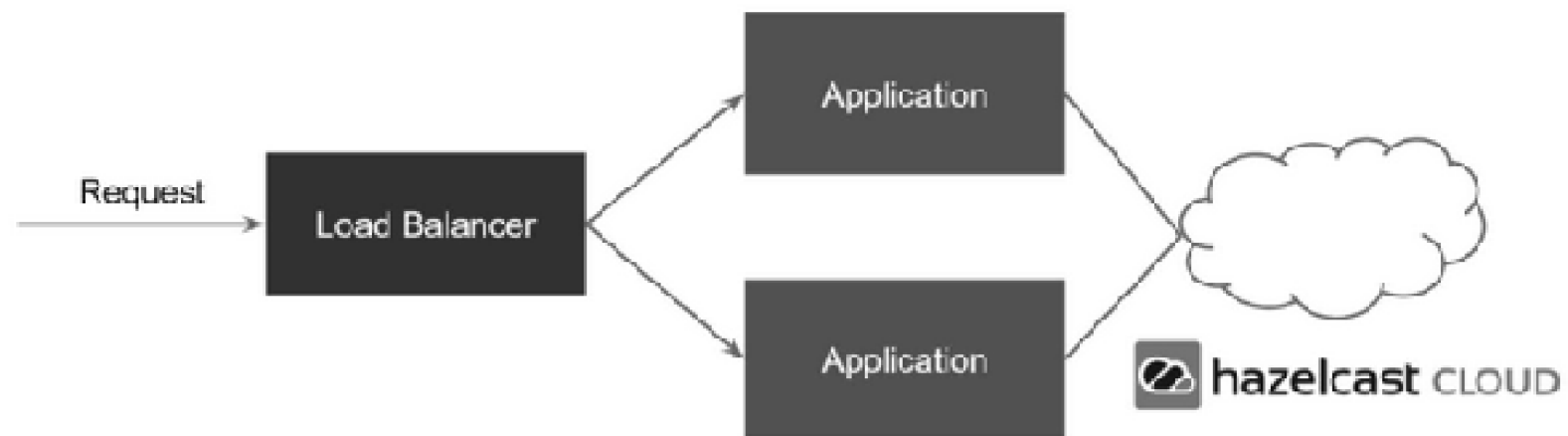
Modelul de proiectare - cache încapsulat distribuit (cache comun)



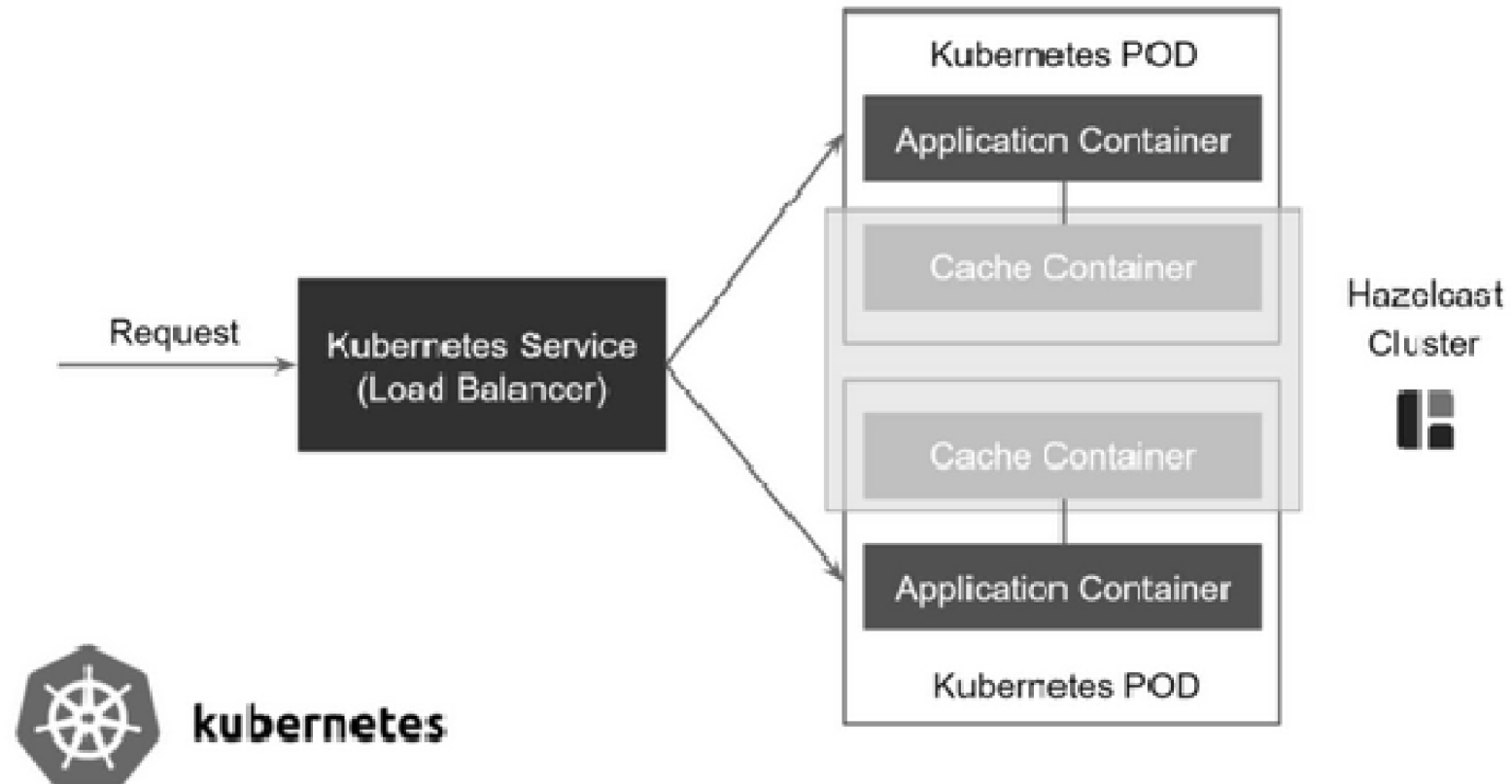
Modelul de proiectare cache client server



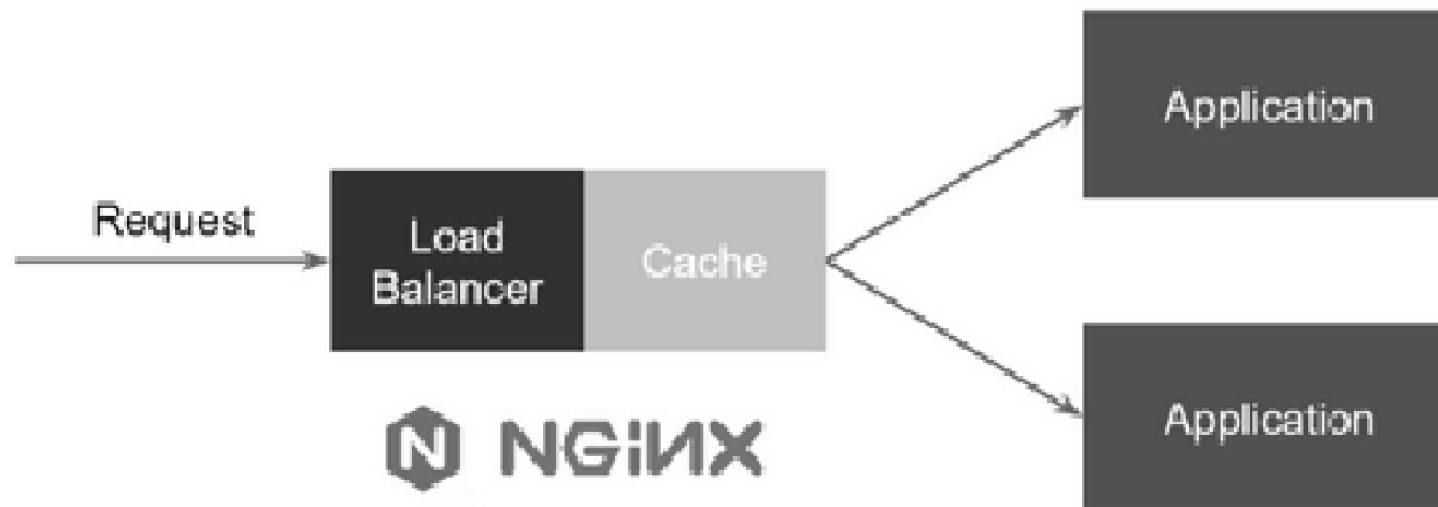
Modelul de proiectare cache în nor



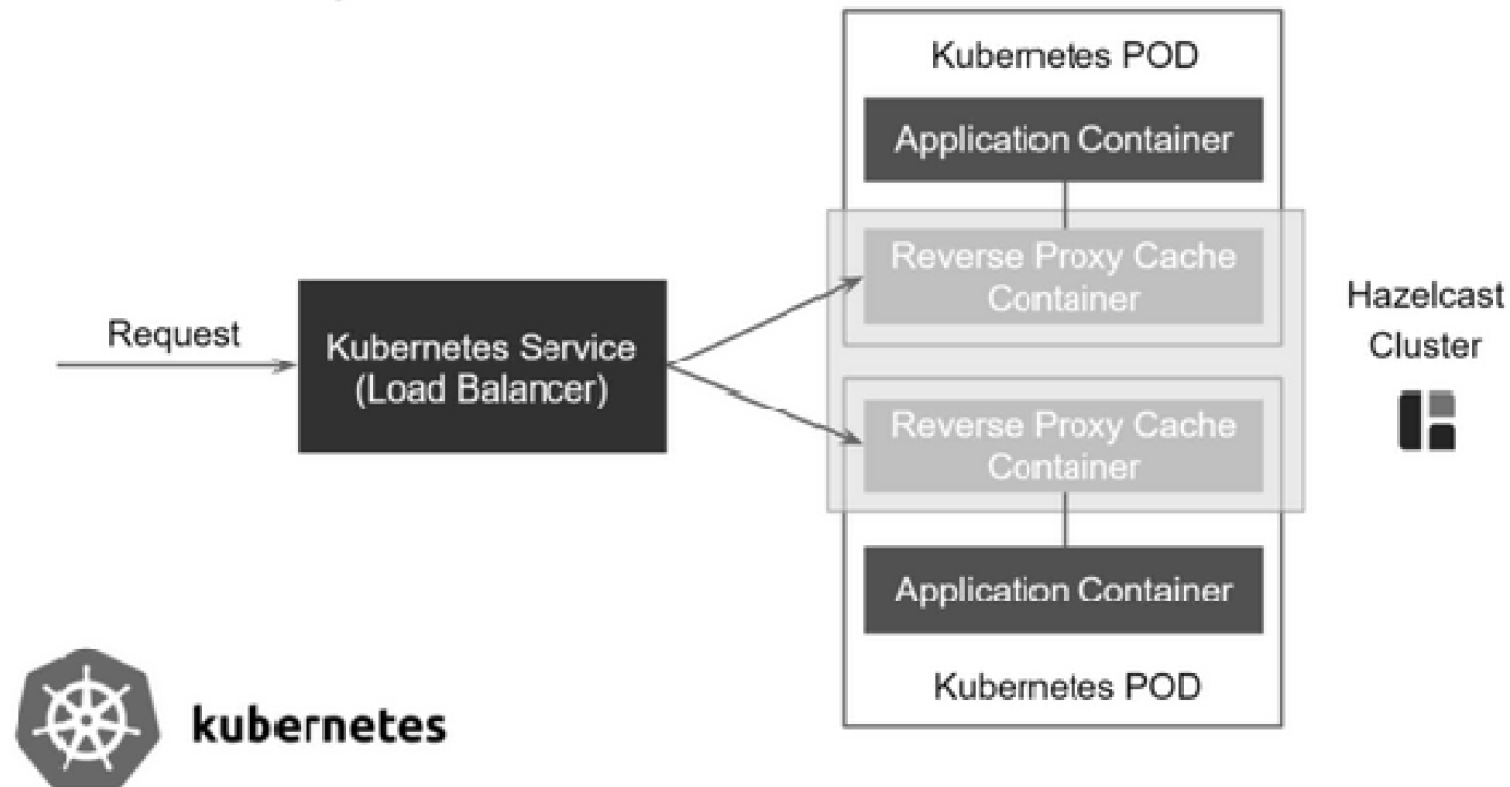
Modelul atașamentului (sidecar)



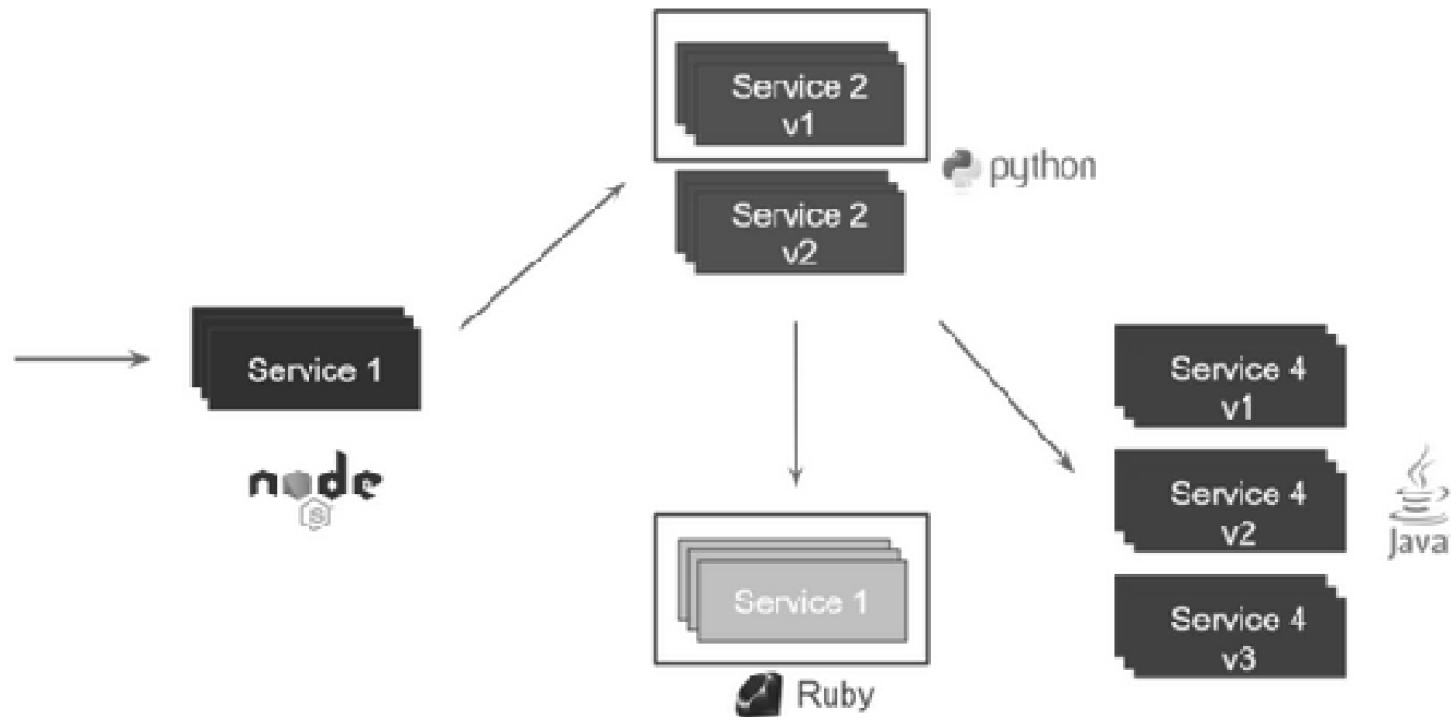
Modelul de proiectare cu intermediar invers (inverse proxy)



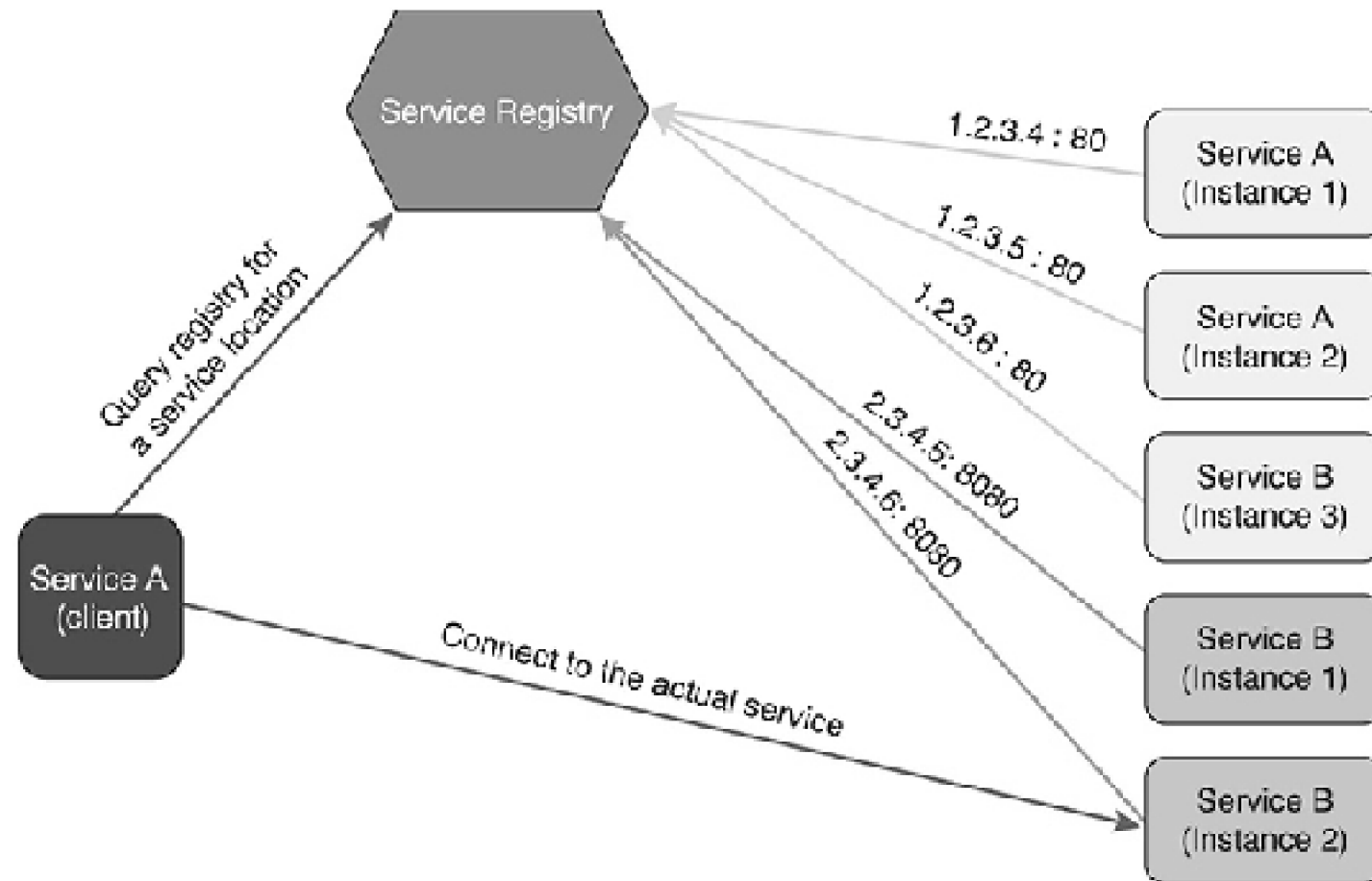
Intermediarul invers & atașamentul



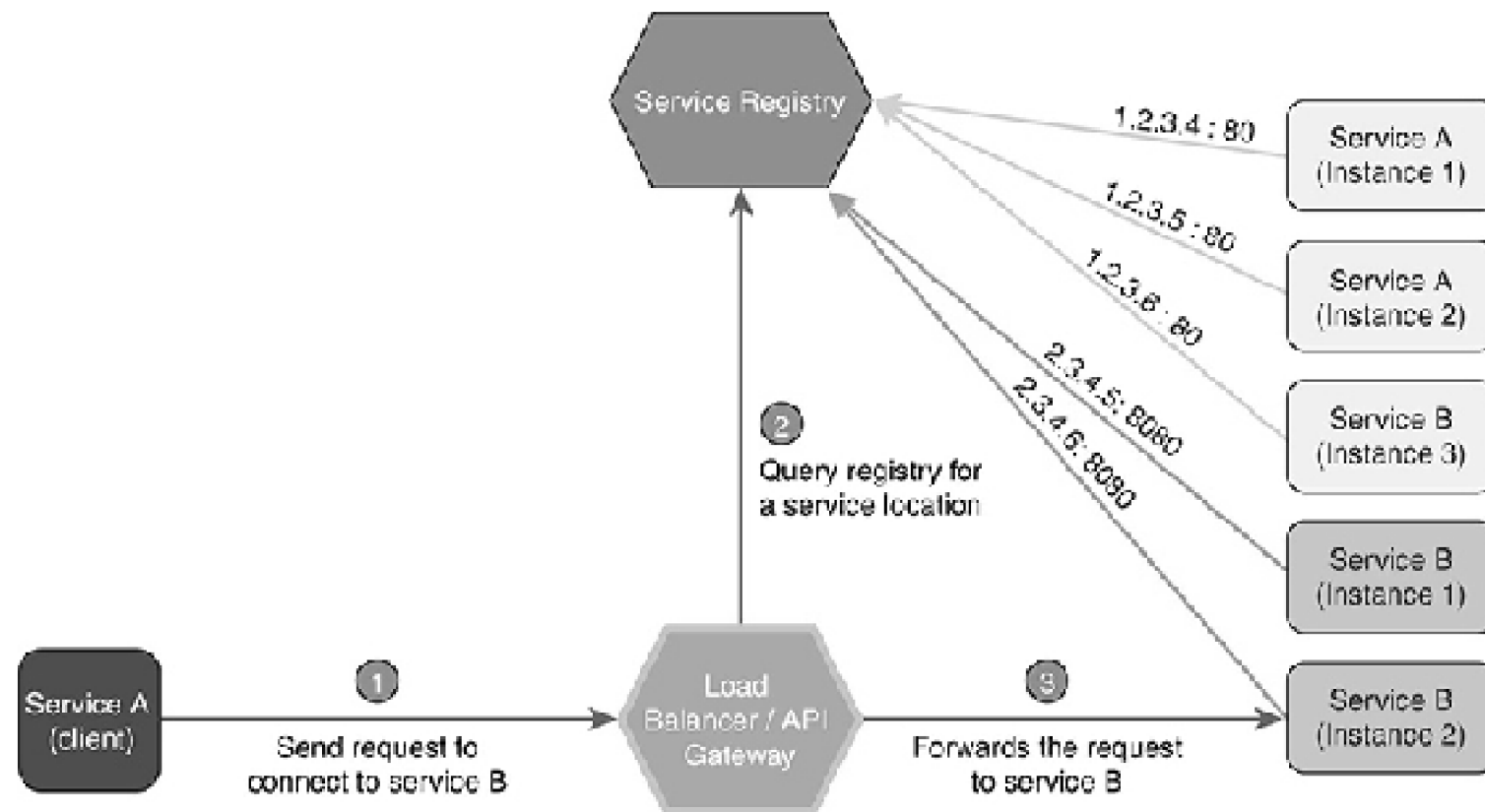
Intermediarul invers & atașamentul



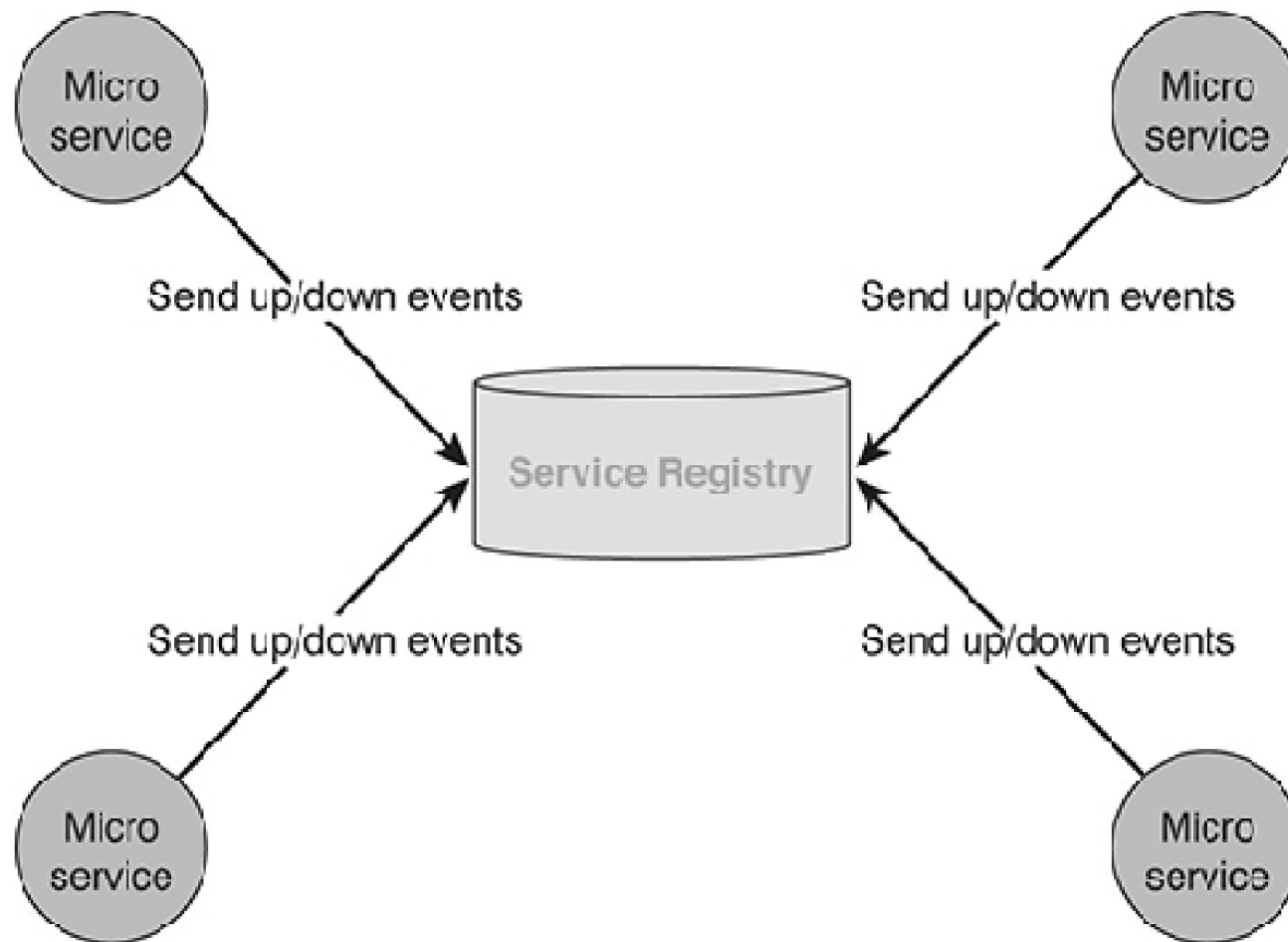
Descoperirea la nivel de client



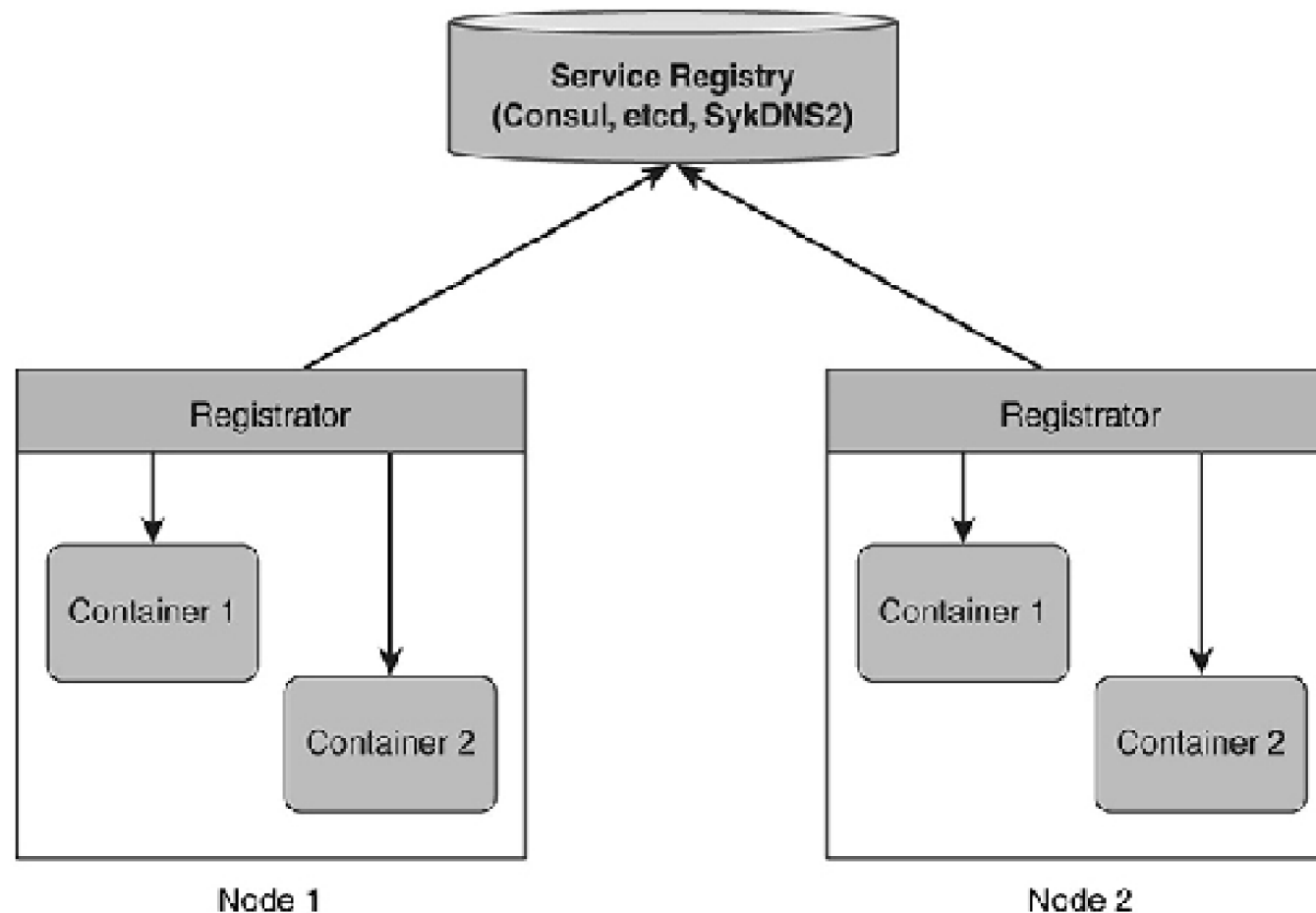
Descoperirea la nivel de server



Registre de servicii - Autoînregistrare



Registre de servicii - Instrumente Externe

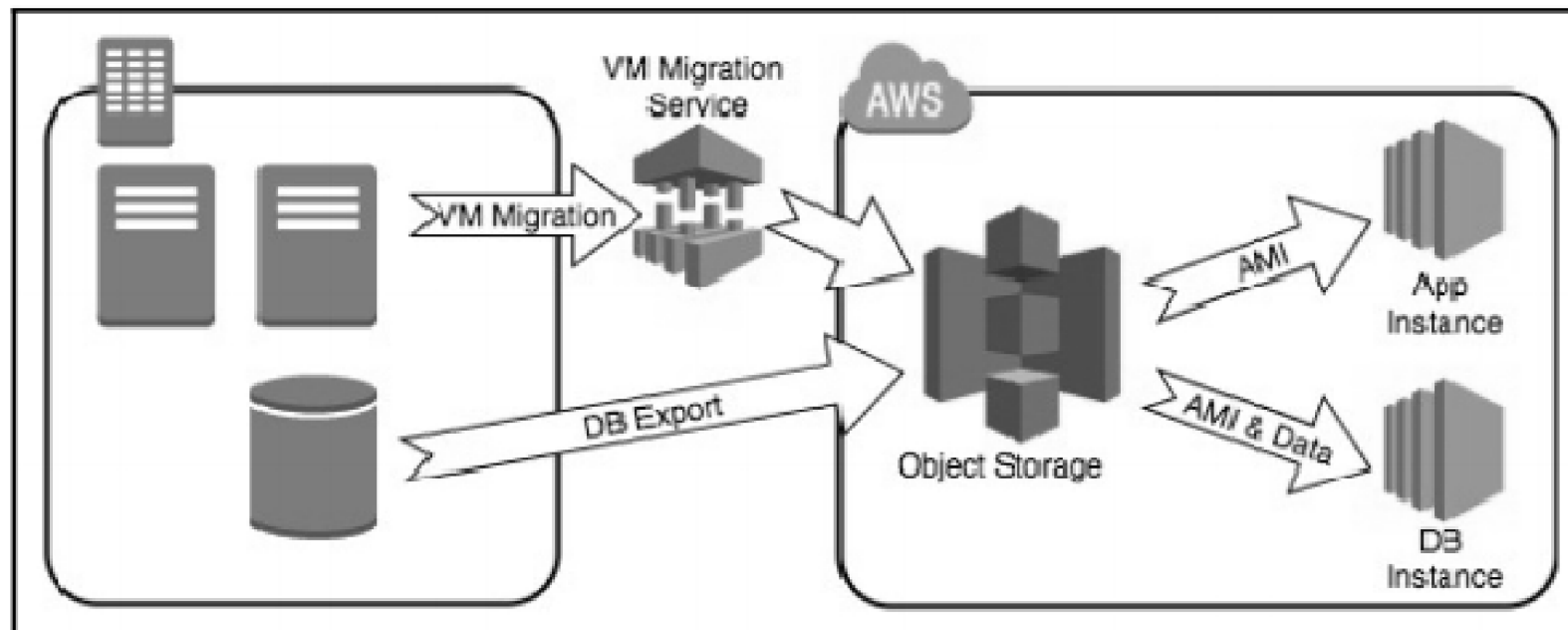


Registrator (<https://github.com/gliderlabs/registrator>)

Modele de migrare a aplicațiilor

- Rehost
- Replatform
- Repurchase
- Refactor
- Retire
- Retain

Rehost sau lift-and-shift



Replatform

