SOLID

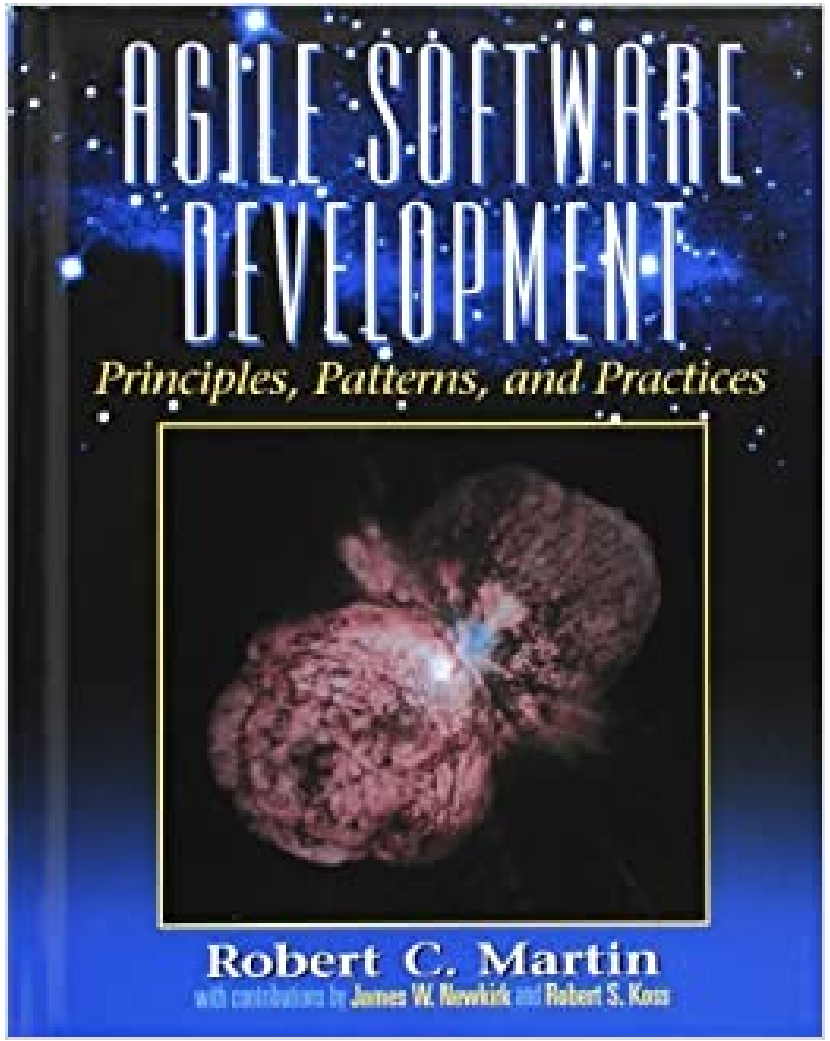
Interface Segregation Principle (ISP)

Interface Segregation Principle

> ***"Clients should not be forced to depend upon interfaces that they do not use."*** [Robert C. Martin]

Why?

- Increase of Maintainability
- Decrease of Rgidity



Example: "Loose White-Labeling"

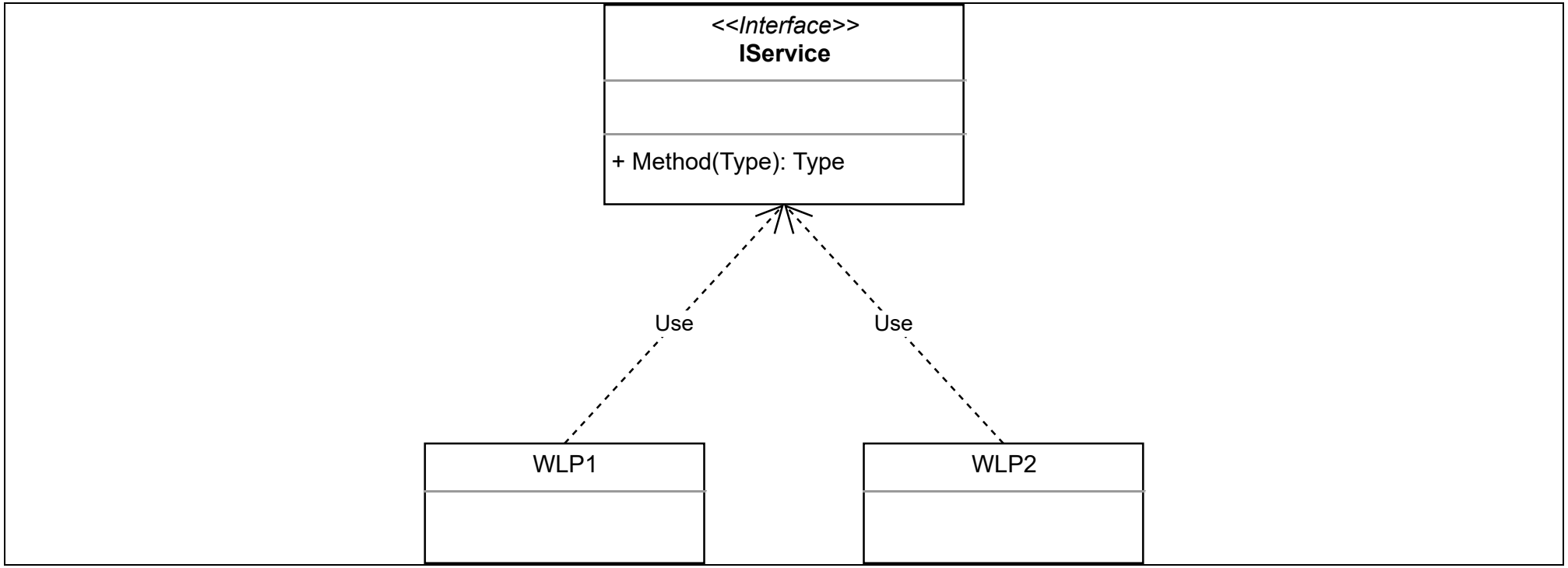
Scenario:

1. A service is provided as separate assembly
2. The service is used by more than 1 WLP implementation
3. One WLP requests an individual change
4. All other WLPs are forced to adapt

WLP = White-Label Partner

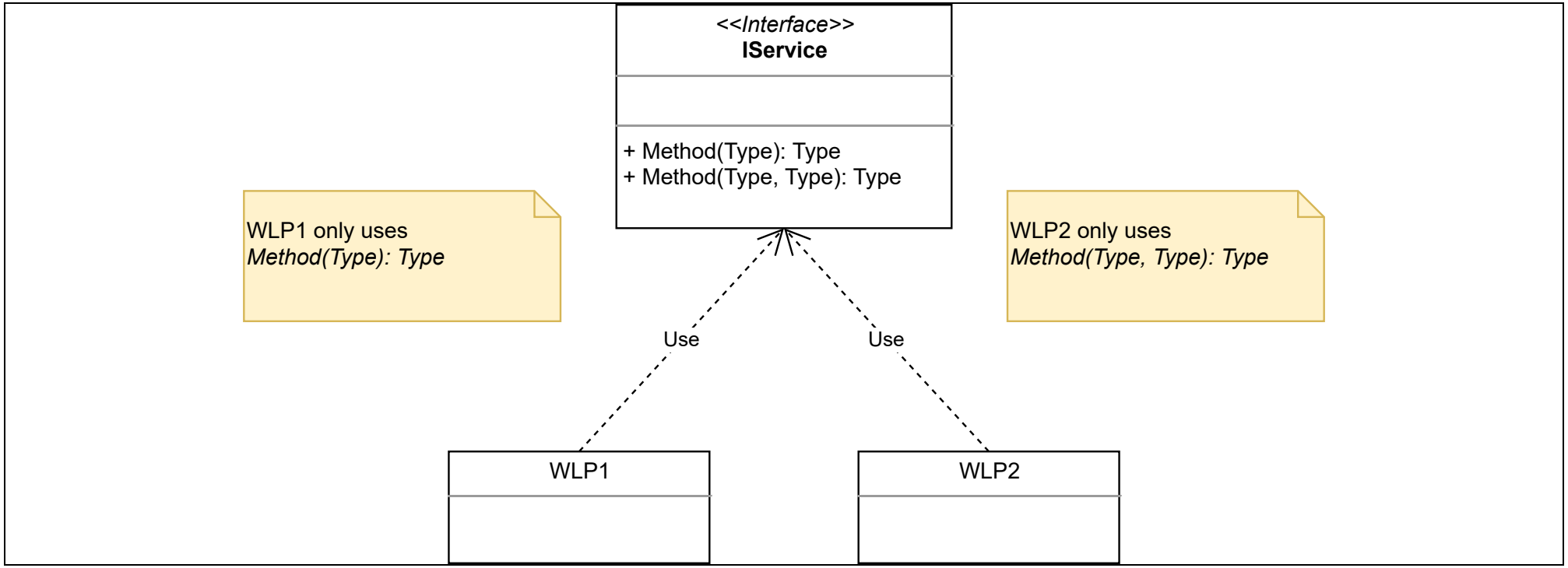
Example: "Loose White-Labeling"

Before:



Example: "Loose White-Labeling"

After:



Example: "Loose White-Labeling"

Possible Risks:

1. Exposure of information to other WLP implementations
2. Unnecessary re-deployment for all WLP implementations
3. Breaking behavior for other WLP implementations

WLP = White-Label Partner

Example: "Loose White-Labeling"

Solution:

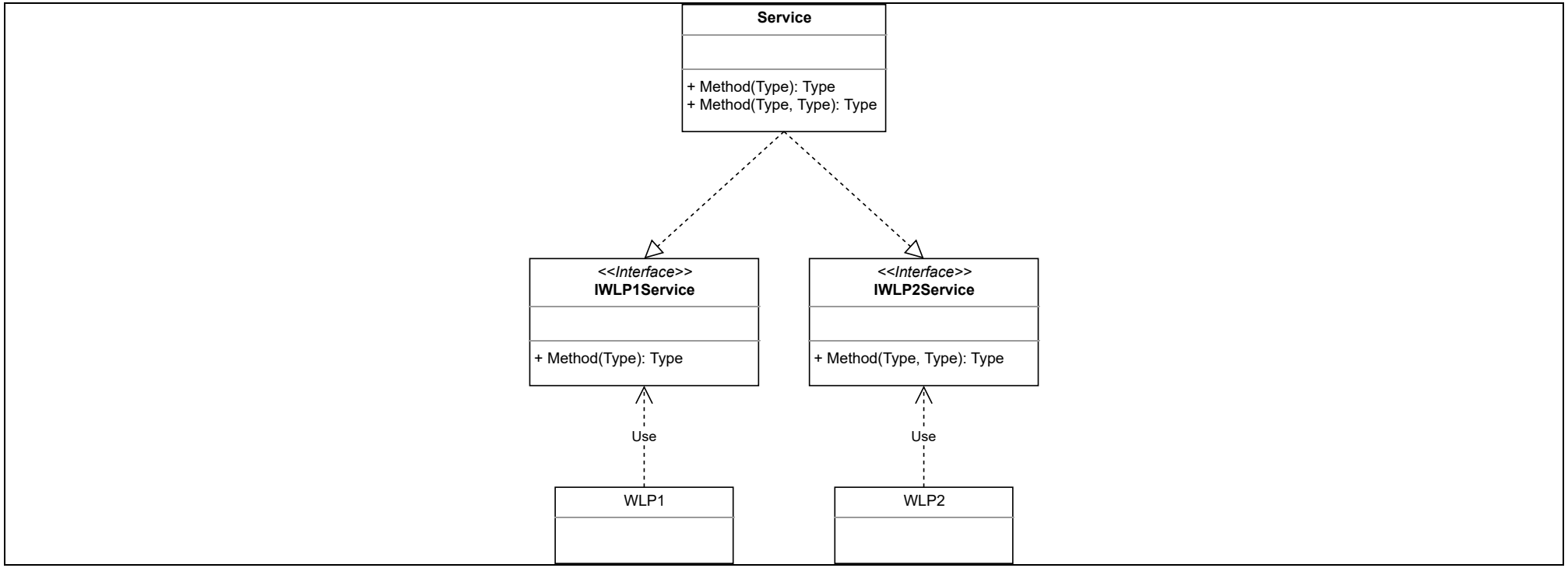
> ***"Clients should not be forced to depend upon interfaces that they do not use."*** [Robert C. Martin]

1. Introduce separate interfaces for each WLP
2. WLP implementations only use individual interfaces
3. Implement all interfaces on the used service

WLP = White-Label Partner

Example: "Loose White-Labeling"

Solution:



Thanks!