

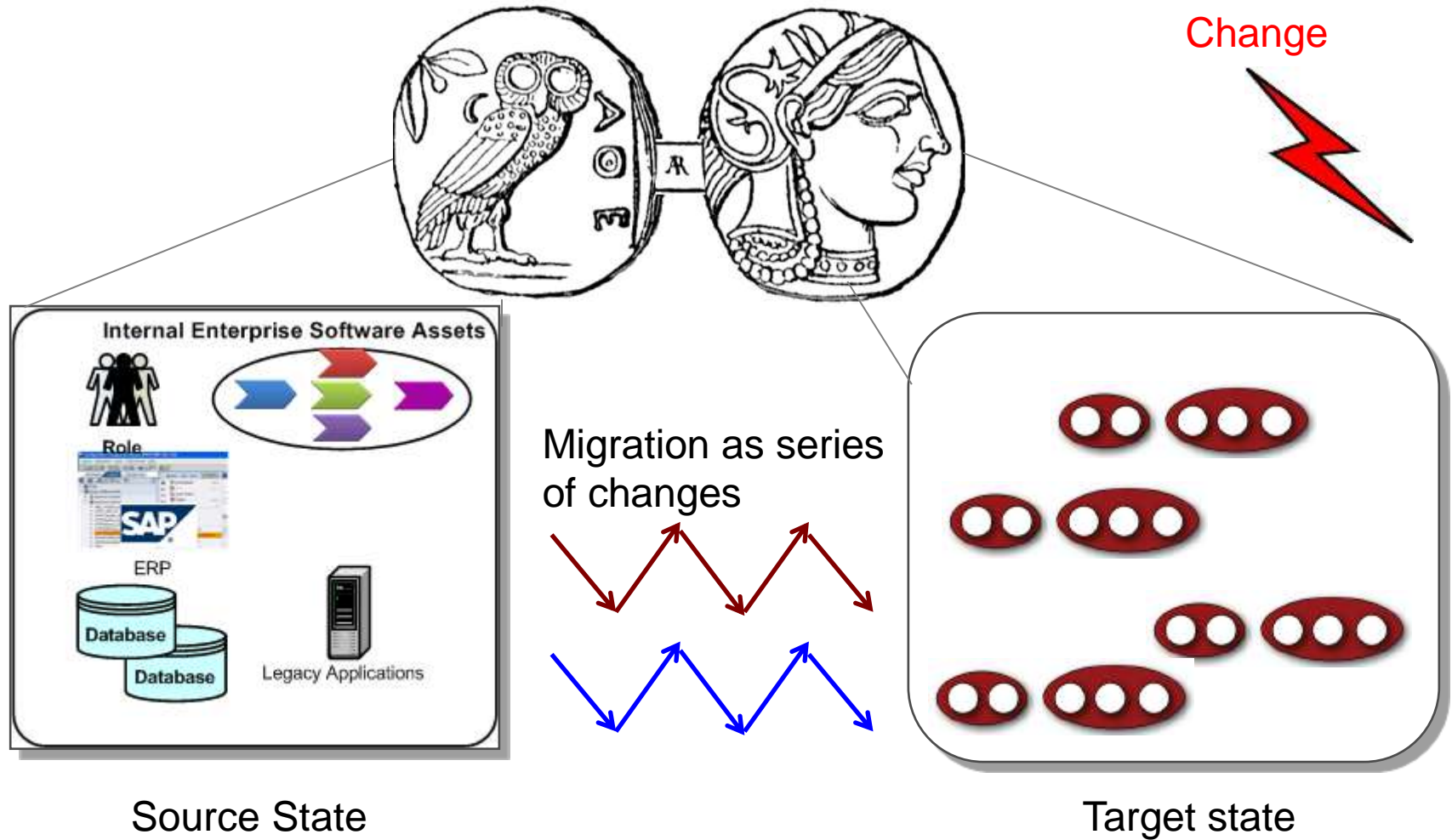
A Viewpoint for Dealing with Change in Migration to Services

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Change lies in the heart of migration to services



Background



Dutch Electronic Health Record System

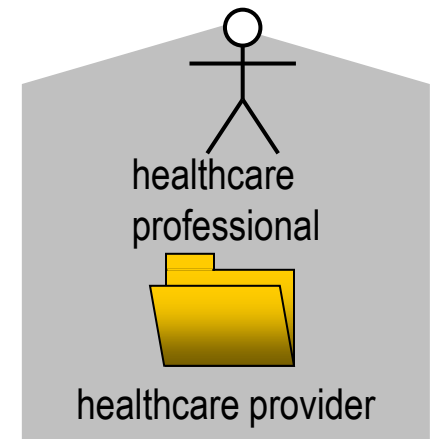
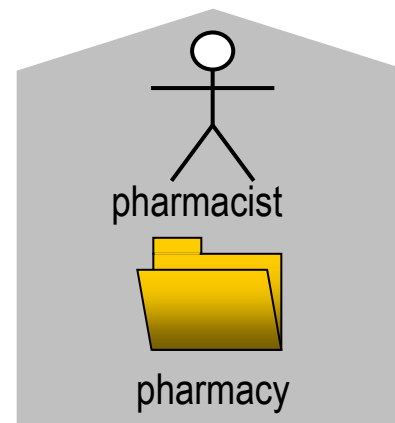
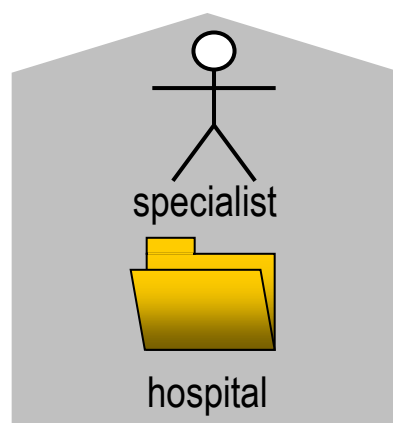
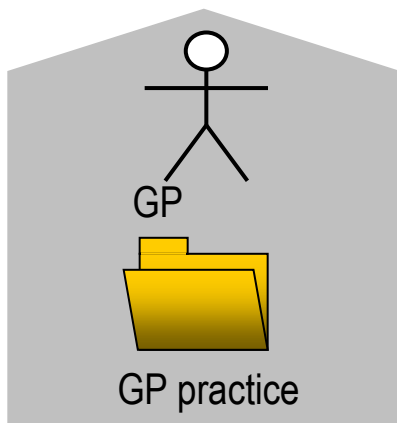


Nation-wide Electronic Health Record System

LSP Law: All healthcare providers have to connect to EHRs

Q1) How these changes impact the target service-based system

Q2) To what extent already partially migrated services can be used



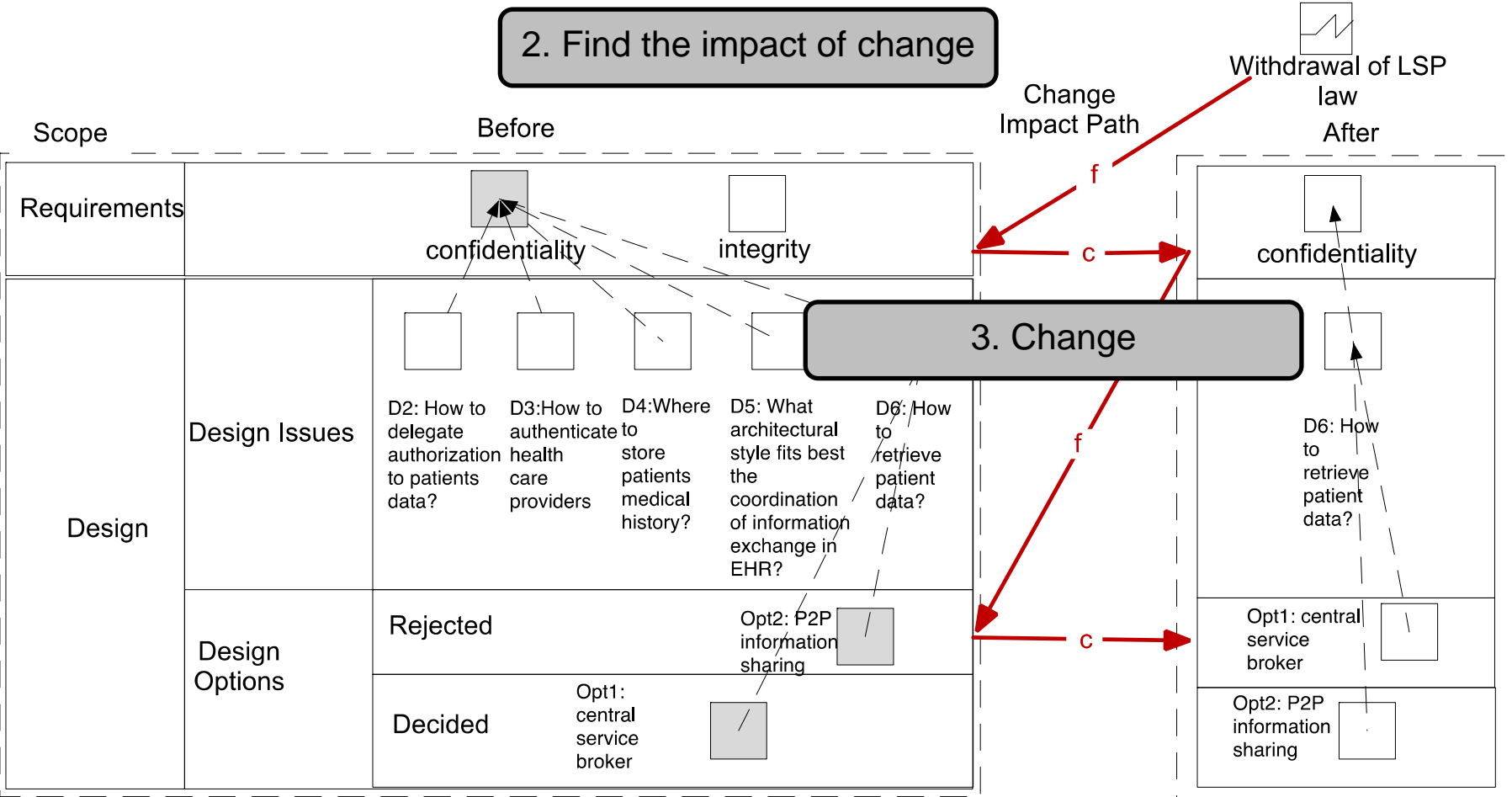
Change Viewpoint: to guide the reasoning required for dealing with change.



Architects Mental Model of Dealing with Change

1. Select a source of change

2. Find the impact of change



ISO/IEC/IEEE 42010 standard for documenting views and viewpoints

Purpose: guide the reasoning required for dealing with change

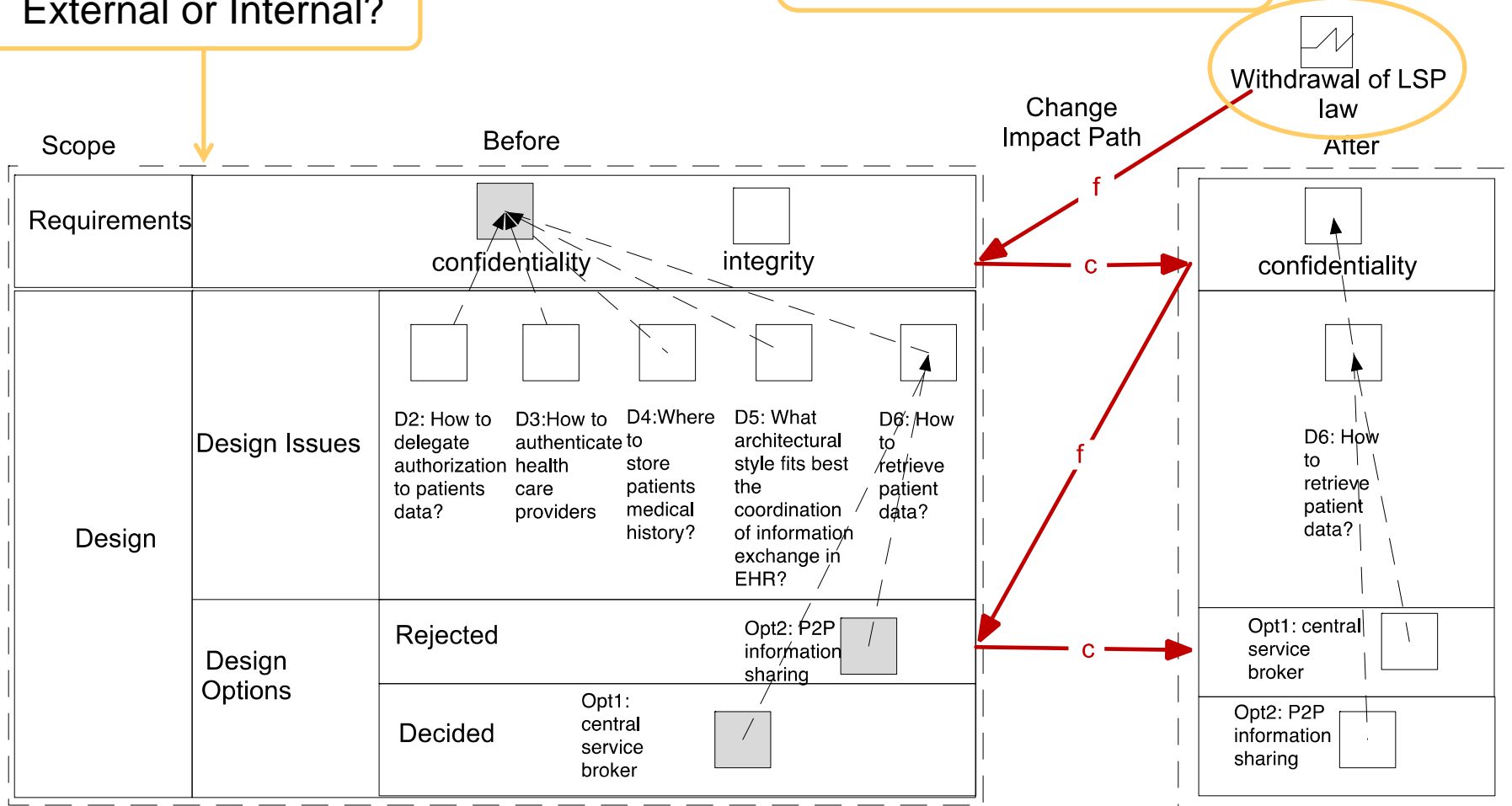
Concern 1: What is the source of change?

Concern 2: What is the impact of change?

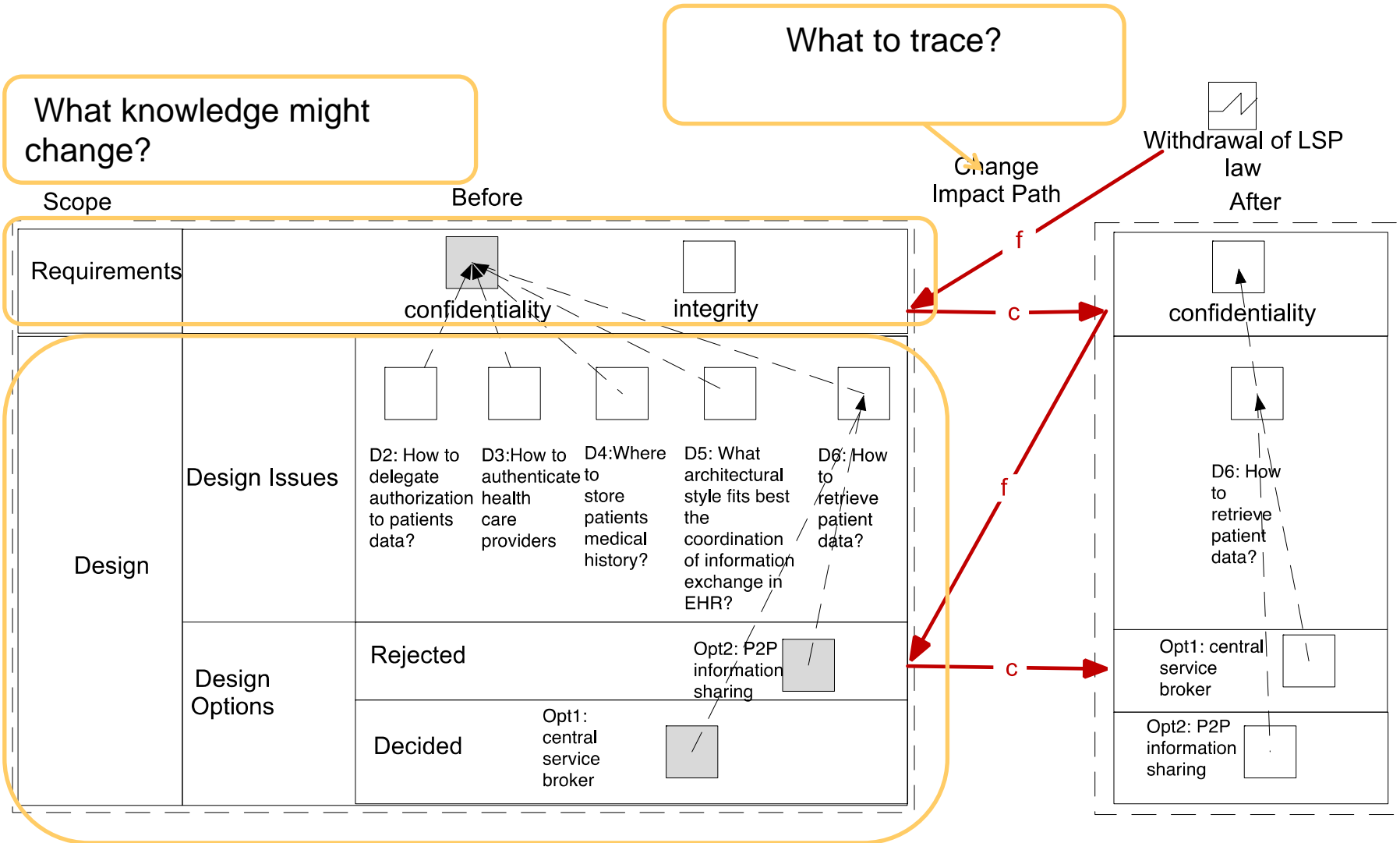
Concern 1: What is the source of change?

External or Internal?

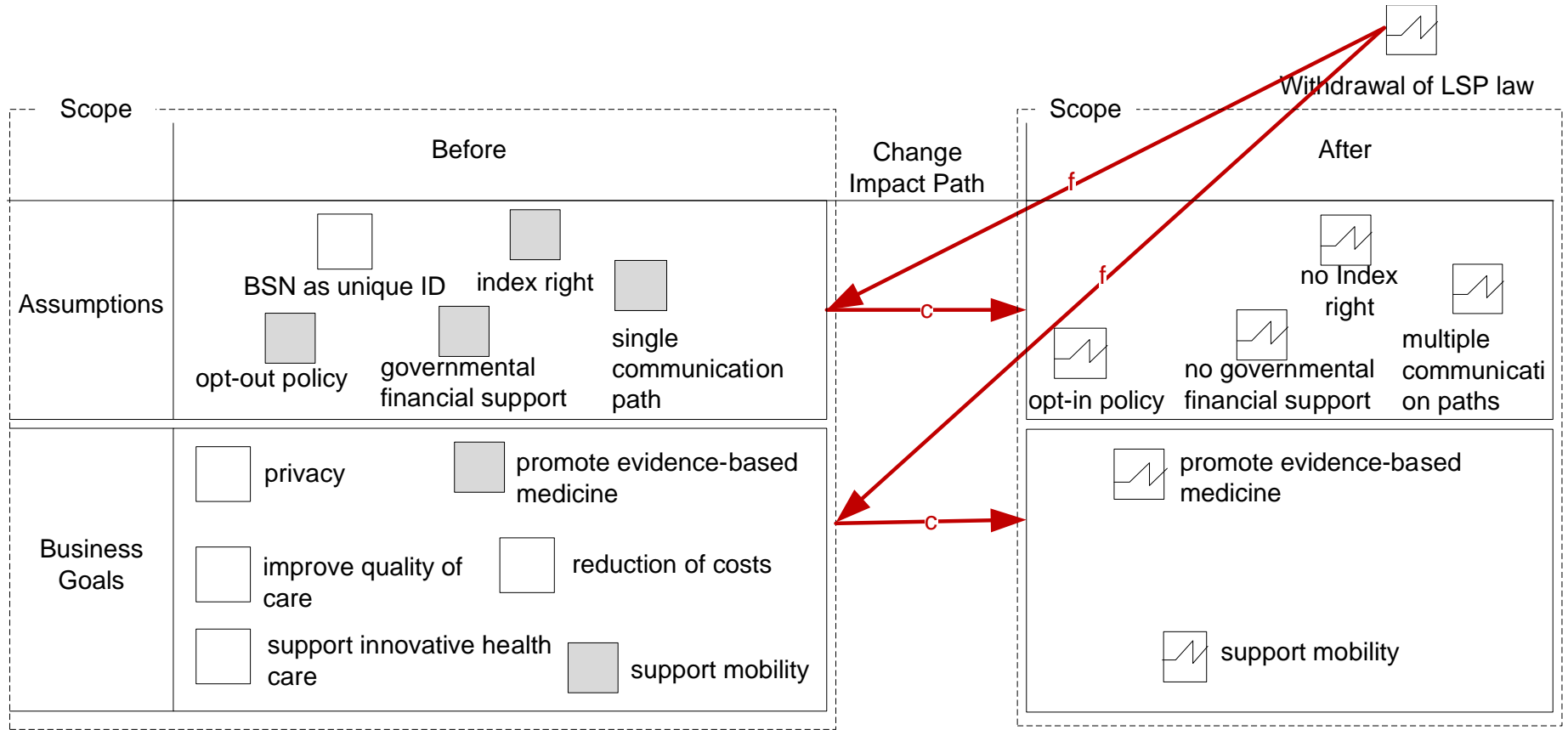
What type of knowledge is the source of change



Concern 2: What is the impact of change?



Scenario 1: Scoping Change in Problem Space

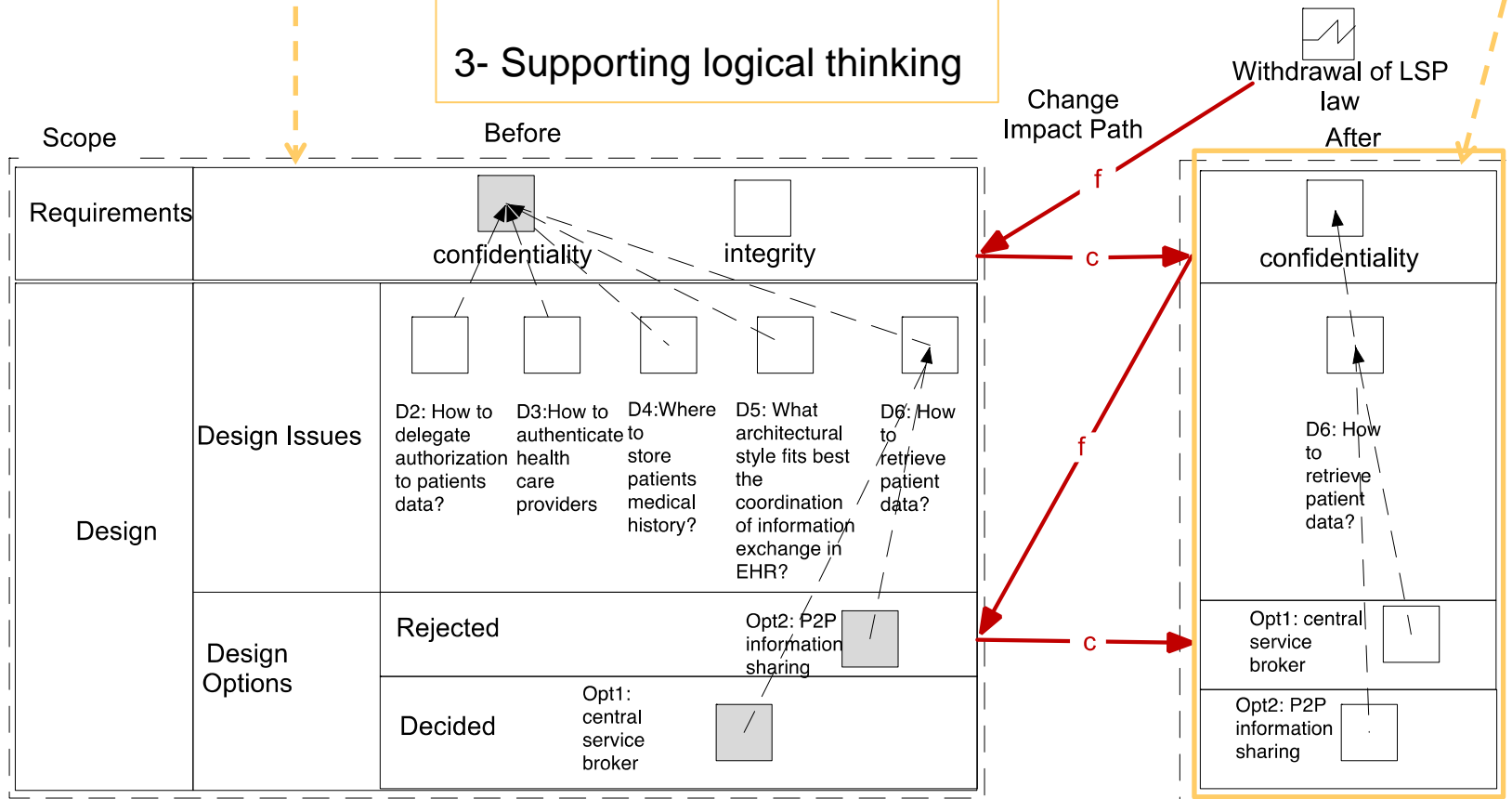


How the change viewpoint helps architects reasoning

2- Bringing structure on the relevant knowledge

1- Supporting focus on chain of changes

3- Supporting logical thinking



Summary and next steps

- A viewpoint in-line with architects natural way of thinking
- Tool support
- Empirical validation of the effects of change viewpoint in architects reasoning

Thank You



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