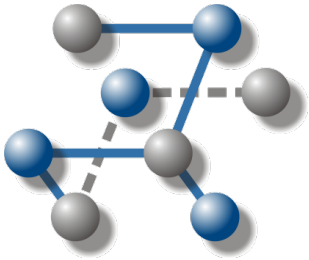
Semantische Meta-Repositories für Software-Artefakte

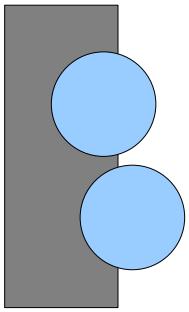
Christoph Aßmann

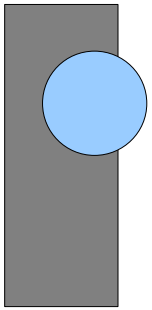


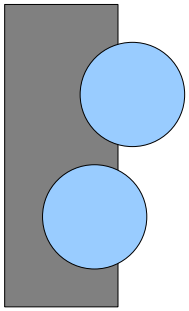
Gliederung

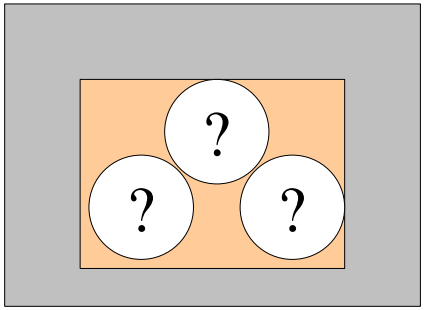
- Einführung CBSE
- Ausgangszustand
- Selektionsunterstützende Methoden
- Selektionsunterstützende Systeme
- Repositories für Software-Artefakte
- Semantische Meta-Repositories für Software-Artefakte
- Ausblick

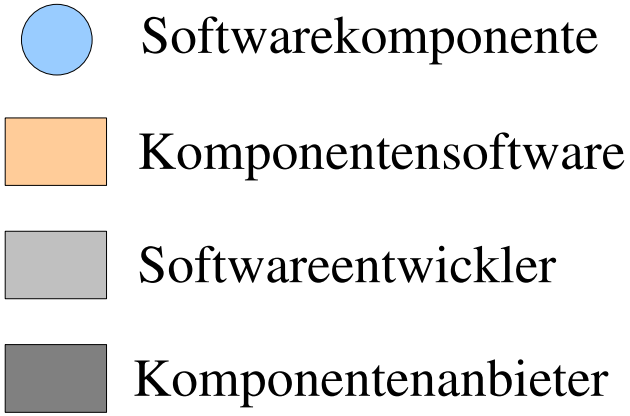
Ausgangszustand





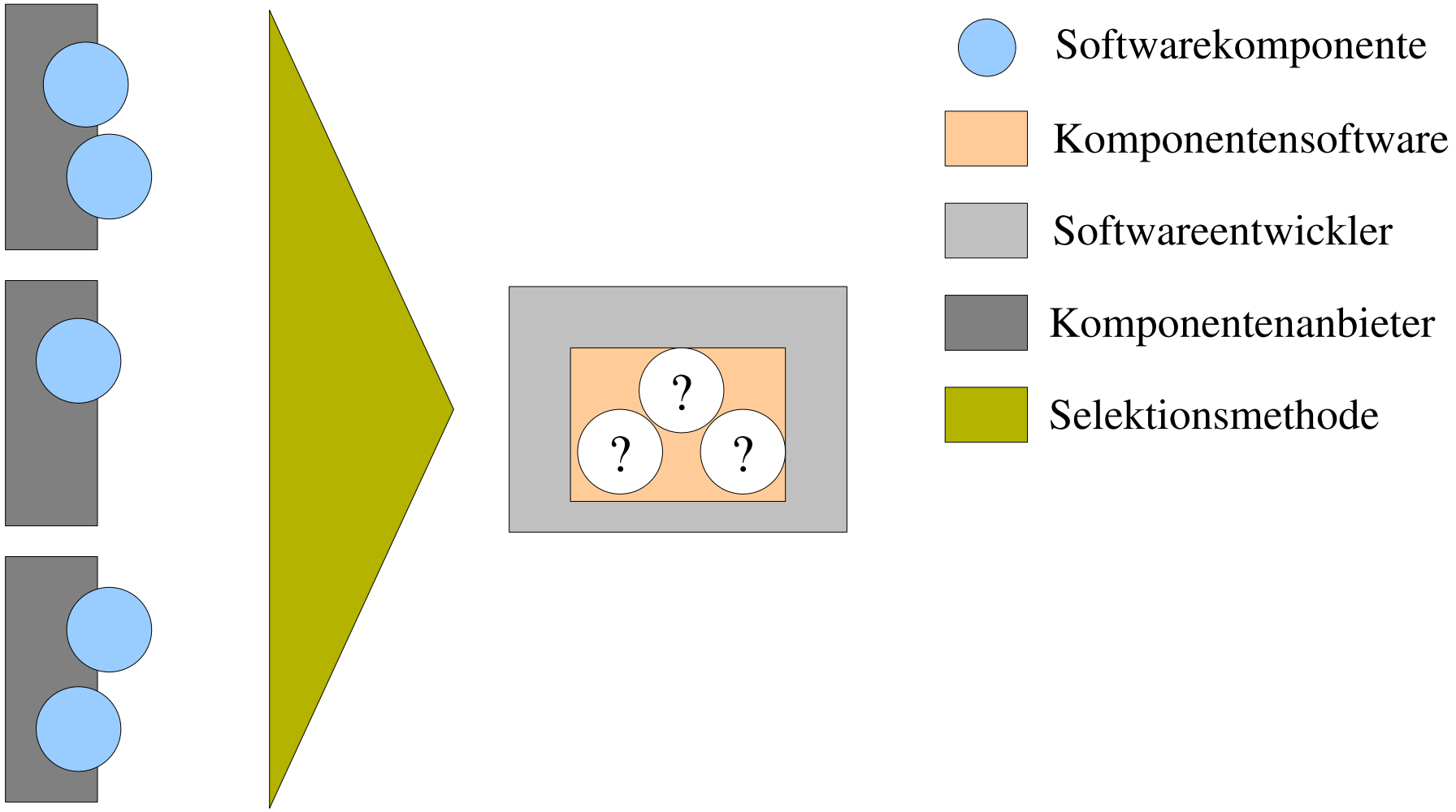






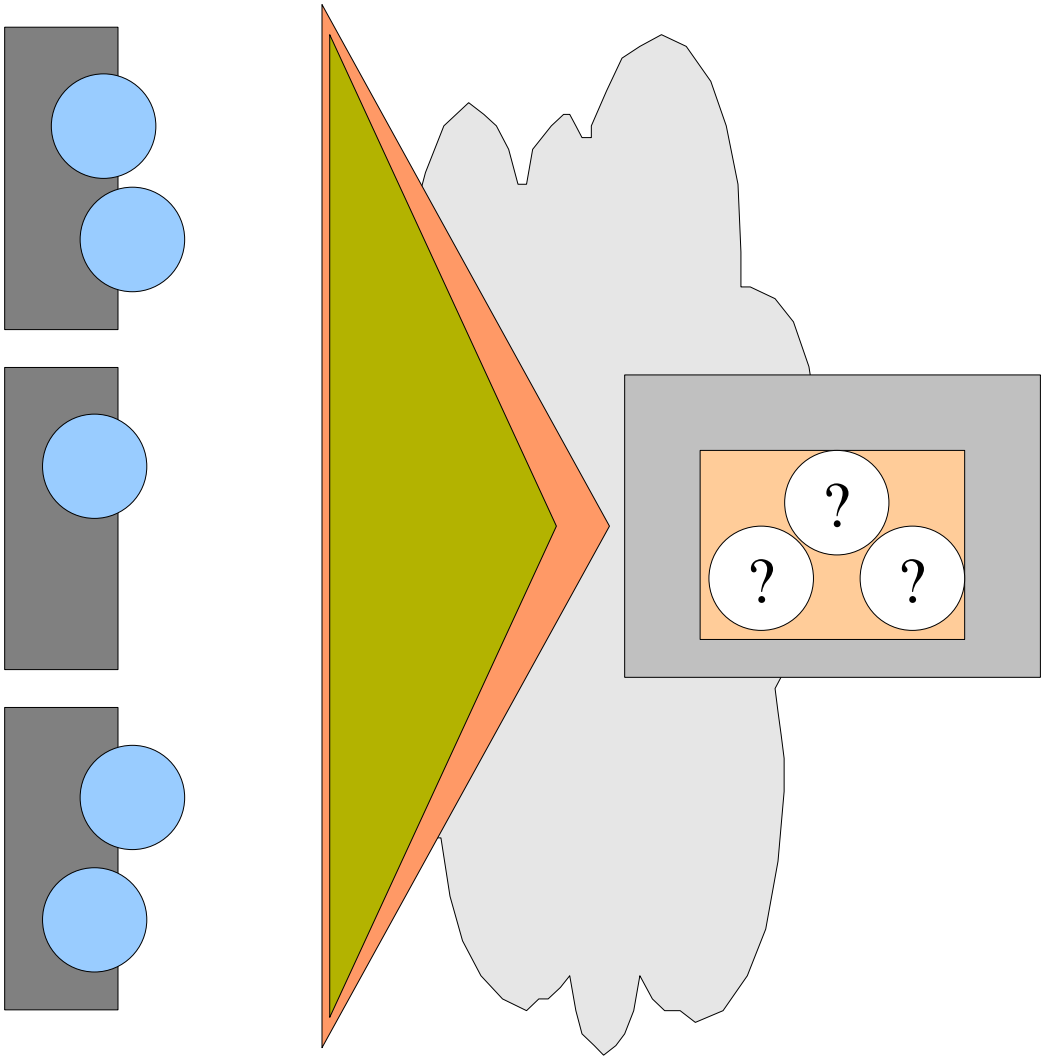
[...] the selection process typically is not defined, each project finds its own approach to it, often under schedule pressure, and there are no mechanisms to learn from previous selection cases. *Jyrki Kontio, 1995*

Selektionsunterstützende Methoden



(CBSE) requires a robust decision support model [...] that is supported by a well established knowledge-base that includes stakeholders' experiences as well as up-to-date relevant knowledge. *Mohamed et al., 2004*

Selektionsunterstützende Systeme



Softwarekomponente

Komponentensoftware

Softwareentwickler

Komponentenanbieter

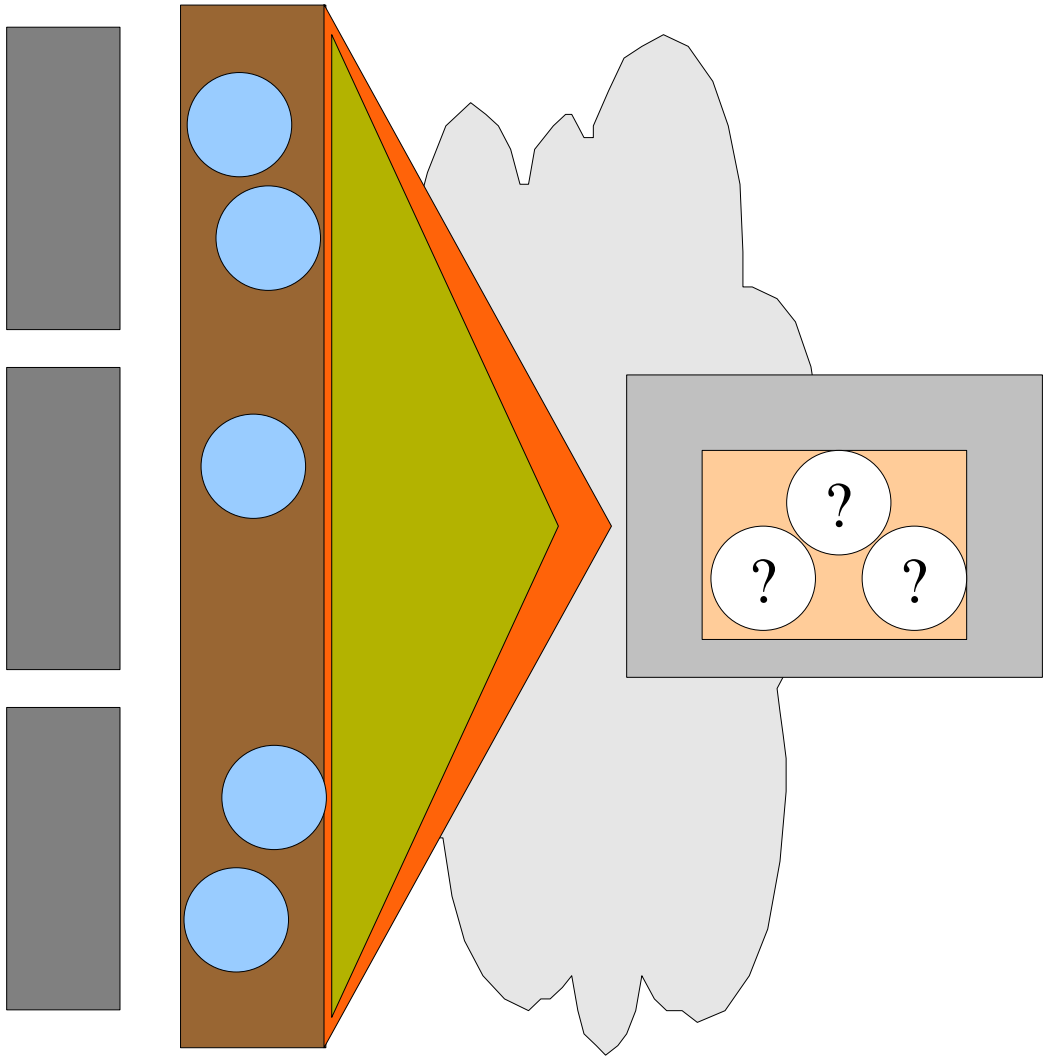
Selektionsmethode

Selektionssysteme

Internet

Many organizations fail [...] due to high start-up costs of populating a repository of reusable information and inadequate tools for storing the OTS knowledge and lessons learned. *Aaslund/Larsen, 2007*

Repositories für Software-Artefakte



Softwarekomponente

Komponentensoftware

Softwareentwickler

Komponentenanbieter

Selektionsmethode

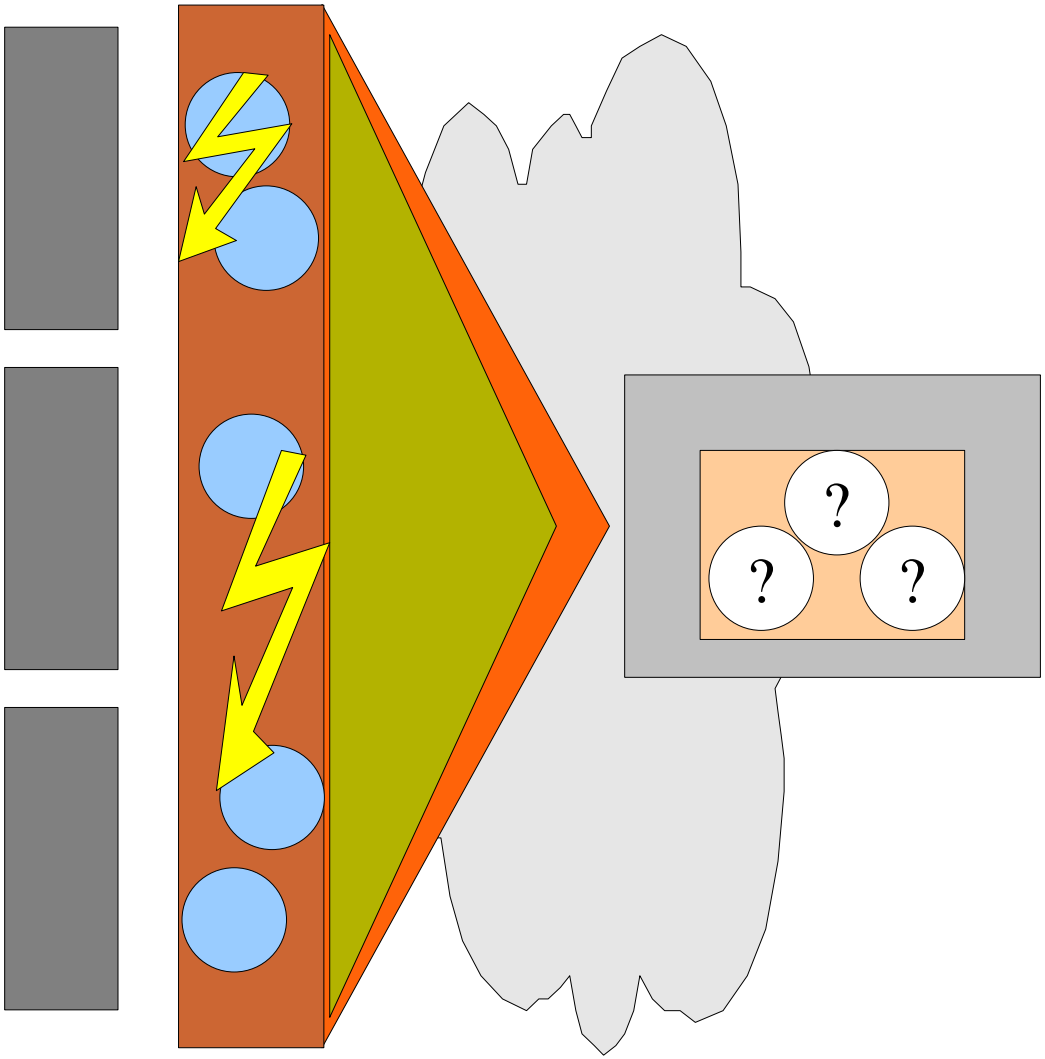
Selektionssysteme

Meta-Repository

Internet

Finding and selecting components will quickly become too complex to be performed manually, especially for larger systems. *Hartig/Kost/Freytag, 2008*

Sem. Repositories für Software-Artefakte



Softwarekomponente

Komponentensoftware

Softwareentwickler

Komponentenanbieter

Selektionsmethode

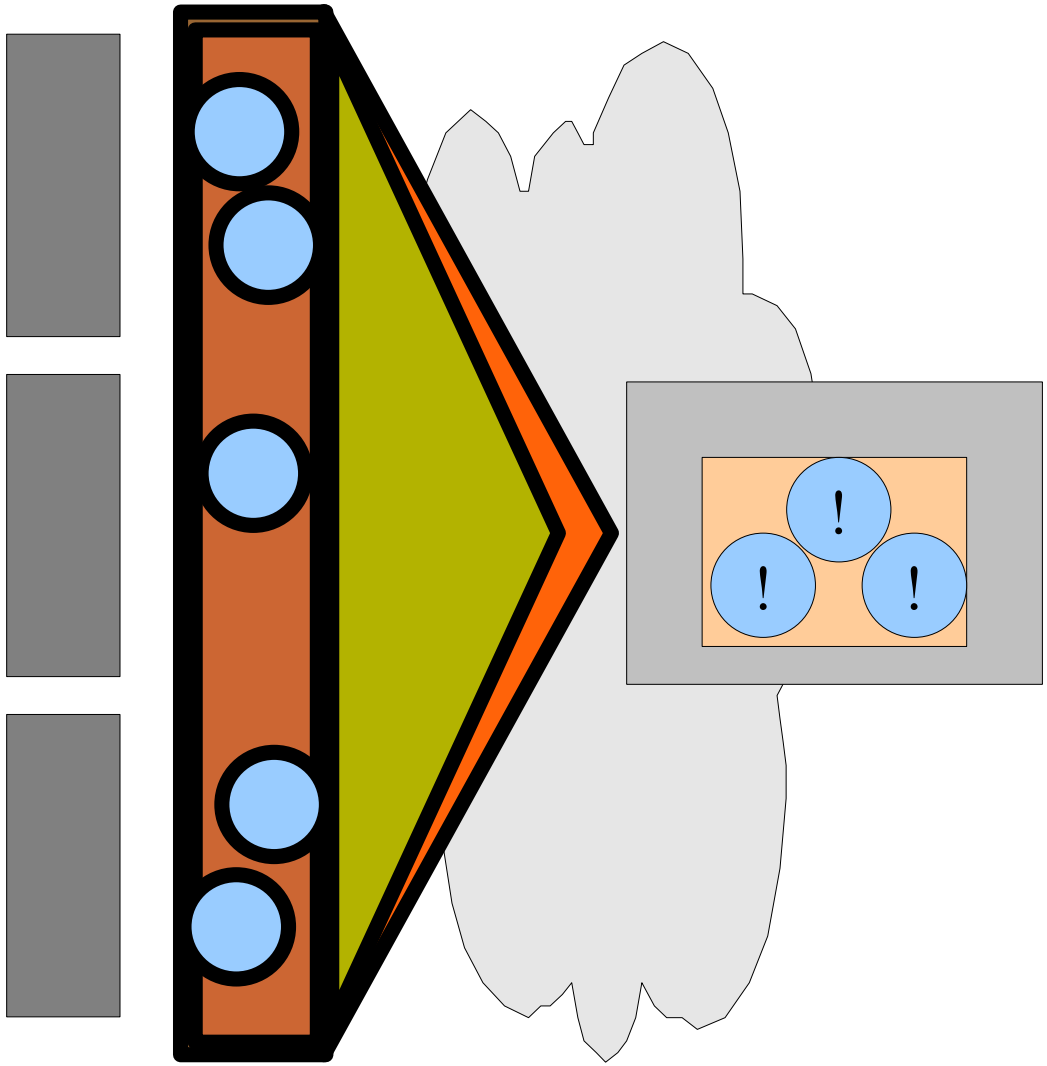
Selektionssysteme

Meta-Repository

Sem. Meta-Repository

Internet

Ausblick



Softwarekomponente

Komponentensoftware

Softwareentwickler

Komponentenanbieter

Selektionsmethode

Selektionssysteme

Meta-Repository

Sem. Meta-Repository

Internet