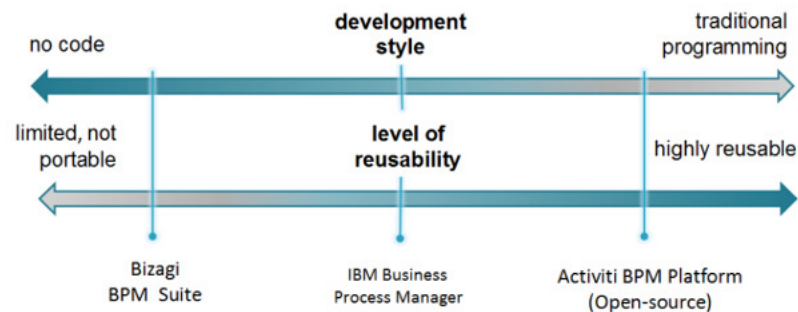
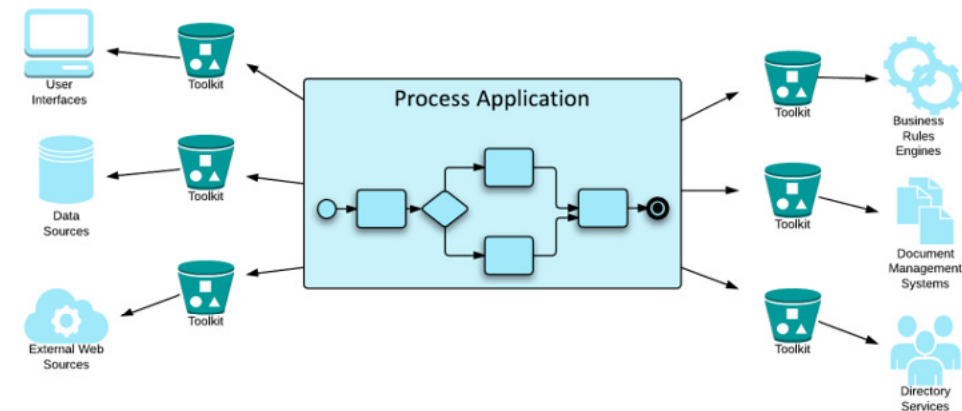




Leveraging Toolkits in BPM Application Development

Motivation

The development of enterprise BPMS products has recently undergone rapid development. One of the key factors was the launching of the new version of the BPMN 2.0 specification, which enabled the development of process models directly transferable into an executable form. This new approach changed the way of development of processes in BPMS. This thesis deals with the possibilities of leveraging the reusability in these new BPM systems.



Goals of the Thesis

1. Provide theoretical basis for Business Process Management and software reuse in its context.
2. Review selected BPMS products while focusing on reuse capabilities and detailed analysis of IBM Business Process Manager.
3. Demonstrate how reuse can be leveraged in BPM project implementation practice. Propose a metric and evaluate the achieved degree of reusability.

Conclusions

- BPMS products approach reusability of business process application implementation differently
- even GUI-based tools provide tools for efficient reuse
- reuse in IBM BPM can be leveraged very efficiently when certain conditions are met
- the most applicable layers for reuse are UI components, integration adapters and server script libraries

