Yet Another Event-Driven Process Chain (yEPC)

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Agenda

1. What is the Motivation for yEPCs?
2. What EPC extensions do yEPCs introduce?
3. A yEPC example
4. Differences between yEPCs and YAWL
5. Conclusion and Future Research
What is the motivation for yEPCs?
Motivation of yEPCs

• EPCs lack support for
  • State-based workflow patterns
  • Multiple instantiation patterns
  • Cancellation patterns

• YAWL is promising for
  • Execution
  • Verification

• Still lots of models are available as EPCs
What EPC extensions do yEPCs introduce?
yEPC symbols

- Event
- Hierarchical Function
- OR-Connector
- AND-Connector
- Function
- Process Interface
- XOR-Connector

[expressions: \( \text{min} , \text{max} , \text{required} , \text{creation} \)]

[Multiinstantiation parameters]

[Cancellation area]
A yEPC example
Interleaved Parallel Routing
What are the differences between yEPC and YAWL?
Differences yEPC and YAWL
Multiple Start and End Events
Connector Chains
Events and State Representation
Conclusion and Future Work
Conclusion and Future Work

Conclusion
• yEPC-based modelling of all workflow patterns

Future Research
• Integration between YAWL and (y)EPC tools
• Currently
  • Transformation from yEPC to YAWL
  • YAWL-based Verification of yEPC process models
    (WofYAWL by Eric Verbeek)