

研发、测试

基于案例推理的柔性 workflow 建模技术研究

李伟刚

西北工业大学 软件与微电子学院, 西安 710075

收稿日期 2007-9-3 修回日期 2007-12-3 网络版发布日期 2008-1-21 接受日期

摘要 针对 workflow 模型难以描述创建时的不确定因素的问题, 研究了一种基于“柔性块”的柔性 workflow 建模技术。运行时, 柔性块先以 Ad hoc 方式执行, 运行历史数据积累到一定程度后, 通过过程挖掘得到柔性块内部模型, 并在以后执行时匹配应用场景, 采用交互式基于案例的推理方法获得柔性块模型。实际应用表明该方法能复用建模知识, 柔性块建模效率随着其执行次数增多而提高, workflow 模型具有较高的柔性。

关键词 [workflow 模型](#) [柔性块](#) [交互式基于案例的推理](#) [柔性](#)

分类号

Flexible workflow modeling based on case reasoning

LI Wei-gang

College of Software and Microelectronics, Northwestern Polytechnical University, Xi'an 710075, China

Abstract

The current workflow models are hard to describe uncertain factors in applications before run-time. For this problem, a flexible workflow modeling technique based on so-called flexible block is proposed. The flexible block is running in Ad hoc manner firstly, then its inside process structure is gotten through process mining after the running history data being accumulated to a degree. And then, the application scenarios are matched, and the process model of flexible block is educed through interactive case-based reasoning. Practices indicate the technique proposed by this paper can reuse the modeling knowledge very well. Modeling efficiency of flexible block is improved along with the executing times of it. The workflow models containing flexible blocks are with high flexibility.

Key words [workflow model](#) [flexible block](#) [interactive case-based reasoning](#) [flexibility](#)

DOI:

通讯作者 李伟刚 w_g_li@163.com

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF\(874KB\)](#)

▶ [\[HTML全文\]\(0KB\)](#)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [复制索引](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

相关信息

▶ 本刊中 [包含“workflow 模型”的相关文章](#)

▶ 本文作者相关文章

· [李伟刚](#)