

学术研究

## 迁移 workflow 系统中迁移实例的路径规划研究

程杰<sup>1,2+</sup>, 曾广周<sup>1</sup>, 贺红<sup>2</sup>

1. 山东大学 计算机科学与技术学院, 济南 250061
2. 山东大学 威海分校 信息工程学院, 山东 威海 264209

收稿日期 修回日期 网络版发布日期 2008-11-28 接受日期

**摘要** 提出了基于导航树的迁移实例路径规划模型, 详细描述了迁移实例的寻径过程, 给出了导航树的自维护管理机制, 使导航树能根据 workflow 网络中停靠站的变化动态地完成导航知识的更新维护; 同时由于停靠站的变更信息只在本域内交互, 大大减少了迁移 workflow 网络的信息流量, 特别适合于大型、停靠站点变更频繁的跨组织 workflow 服务。企业订单实例表明, 引入导航树路径规划机制可以使迁移实例获得更有针对性的迁移路线, 避免盲目迁移。

**关键词** [迁移 workflow](#) [路径规划](#) [导航树](#) [迁移实例](#) [停靠站](#)

分类号

## Research on migrating instance path planning in migrating workflow system

CHENG Jie<sup>1,2+</sup>, ZENG Guangzhou<sup>1</sup>, HE Hong<sup>2</sup>

1. School of Computer Science and Technology, Shandong University, Jinan 250061, China
2. School of Information Engineering, Shandong University at Weihai, Weihai, Shandong 264209, China

### Abstract

A migrating instance path planning model based on navigating tree is proposed. The routing process of migrating instances and the self-maintaining mechanism of navigating tree are described in detail. By means of this model, the navigating tree can update and maintain navigation knowledge dynamically according to the updating of anchorages. Since the updating information is transferred only within a local migrating domain, the rate of information flow in migrating workflow networks can be reduced greatly, thus the model fits very well into the large inter-organization workflow services in which the anchorages may update frequently. The order form example shows that migrating instance can acquire an effective migrating path and avoid vain migration by means of the migrating instance path planning mechanism.

**Key words** [migrating workflow system](#) [path planning](#) [navigating tree](#) [migrating instance](#) [anchorage](#)

DOI: 10.3778/j.issn.1673-9418.2008.06.009

通讯作者 程杰 [chjie@sdu.edu.cn](mailto:chjie@sdu.edu.cn)

### 扩展功能

#### 本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(1094KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [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](#)
- ▶ [浏览反馈信息](#)

#### 相关信息

- ▶ [本刊中 包含“迁移 workflow”的 相关文章](#)
- ▶ 本文作者相关文章

- [程杰](#)
- [曾广周](#)
- [贺红](#)