Abstract

The permanent evolution of needs and ICTs on the one hand and taking into account customer satisfaction on the other hand has lead companies to adapt their information systems. Taking these developments into account inevitably leads to the obsolescence of existing systems. In most cases, these legacy systems are not fully documented. This state of affairs
renders the migration process very complex. The situation is much more complex in developing
countries where only information systems are not documented but, also suffer from a lack of
qualified staff capable of maintaining information systems. Till date, the work done in legacy
information systems migration is based on documentation of these systems, but do not specify
how the documentation was created. In this work, we propose an approach based on the theory
of business process and workflows which systemizes reverse engineering of legacy information
systems to provide the documentation necessary for migration.

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**Index Terms**

*Computer Science*  
*Information Systems*

**Key words**

Legacy Information Systems  
Migration

Documentation

Understanding

Enterprise Modeling

Business Process Theory

Workflows Theory.