Abstract

Misalignment between business process and information system is common in many organizations. Typically, the efforts to correct this misalignment do not bring results because of two factors: 1) the complexity of the information technology architecture derived from heterogeneous applications built on different architecture, programming languages, and platforms, and 2) the existing applications should be kept running when repaired. In order to align business process and information system, both should be integrated. The objectives of this research are: 1) to identify the business process of a university’s Information System for Academic Affairs, 2) to analyze and design an automation of business process of a university’s Information System for Academic Affairs, and 3) to identify the services needed for the automation and integration of business process and information system. The enterprise integration method used in this research is a combination of Service-oriented Architecture (SOA) and Model Driven Architecture (MDA). Using this combined method, the 13 academic affair business processes that currently implemented in Satya Wacana Christian University (SWCU) can be defined. Automating these 13 business processes can reduce the number of the business processes to only four processes. The services needed to be implemented as Web services to integrate all 35 unconnected information systems in SWCU were also successfully identified.
References

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Index Terms

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Keywords

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