UNIVERSITY OF TARTU
Institute of Computer Science
Software Engineering

Margarit Shmavonyan

Improving Application Lifecycle Management at Swedbank: A Case Study

Master's Thesis (30 EAP)

Supervisor(s): Fredrik Payman Milani
Margus Melsas

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Abstract:

This paper gives an overall understanding of Application Lifecycle Management (ALM). ALM is an iterative cycle which is used for managing applications. The concept, importance of ALM as well as the description of the three aspects of ALM solution are introduced and described in detail. The research work conducts a case study where ALM is examined from the Swedbank viewpoint which has expertise in managing applications. The study aims to reveal the issues and risks Swedbank is facing during the ALM process and find solutions for improving their ALM. The study revealed a need for integrating a new method which will allow to manage the information about Swedbank applications. As a result, a new approach was suggested and a detailed description of the flow was presented.

Keywords:

Application Lifecycle Management, ALM, case study

CERCS: P170, Computer science, numerical analysis, systems, control

Rakenduse elutsükli haldamise parandamine: Swedbank'i juhtumiuuring

Lühikokkuvõte:

Antud töö annab üldise ülevaate rakenduse elutsükli haldamisest (Application Lifecycle Management, ALM). ALM on iteratiivne tsükkel, mida kasutatakse rakenduste haldamiseks. Esitatakse ning kirjeldatakse detailselt ALM'i mõiste, elutsükli haldamise tähtsust ja ALM lahenduse kolme aspekti. Viiakse läbi juhtumiuuring ALM'i vaatlemiseks Swedbank'i vaatepunktist. Juhtumiuuringu eesmärgiks on tuvastada riskid ja probleemid, millega puutub Swedbank kokku ALM protsessides ja välja pakkuda lahendused nendele. Uuring näitas vajadust uue meetodi integratsiooni järgi, mis aitab Swedbank'i rakenduste informatsiooni hallata. Tulemusena soovitatakse uut lähenemisviisi ja antakse selle detailne kirjeldus.

Võtmesõnad:

Rakendustarkvara elutsükli haldamine, ALM, juhtumianalüüs Sisukokkuvõte

CERCS: P170 Arvutiteadus, arvutusmeetodid, süsteemid, juhtimine (automaatjuhtimisteooria)

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