

A Comparative Study of Cloud Computing Open Source Foundations

Summary

This thesis explores the question why there is a current surge in open source foundations for cloud computing. Using multiple-case case study research, three examples are studied: OpenStack, CloudFoundry, and Apache CloudStack. The theory resulting from the case study research provides answers to the questions: Why are there three foundations, which use-cases do they cover, and how are they the same and how are they different?

Work Results

Bullet list of results (not process!). Looks like this:

- Literature review
 - Open source developer foundations
 - Cloud computing domain requirements
- Research approach
 - Exploratory multiple-case case study research
 - Framing based on Riehle and Berschneider (also shows possible limitations of that work)
- Research execution
 - Data sources are secondary materials, possible interviews
 - Grounded-theory based (interview) data analysis (MaxQDA)
- Research results

Supervisor

Prof. Dr. Dirk Riehle, dirk.riehle@fau.de

Open Source Research Group
Computer Science Department
Friedrich-Alexander University

Link to thesis descriptions: <http://osr.cs.fau.de/fun>

Link to layout of final theses: <http://wp.me/pDU66-S1>

Link to grading framework for final theses: <http://wp.me/pDU66-MF>