Errata for The Thesis of Ahmed Ali-Eldin Hassan

September 8, 2015

Abstract

This is an errata for Ahmed Ali-Eldin Hassan's PhD thesis titled "Workload Characterization, Controller Design and Performance Evaluation for Cloud Capacity Autoscaling".

1 Introduction

... The errata of The Thesis are tracked in this document, whose newest version can be found at `http://www8.cs.umu.se/~ahmeda/PhD`.

2 The Errata in The Thesis

Page 7, Section 2.2

1. "Paper VII and Paper VIII show the varying performance of state-of-the-art auto-scaling algorithms" should be "Paper VI and Paper VII show the varying performance of state-of-the-art auto-scaling algorithms".

2. " Paper V introduces Sample Entropy, a measure for burstiness, one of the main features to classify workloads." should be *"Paper IV introduces Sample Entropy, a measure for burstiness, one of the main features to classify workloads."*.

3. "Sample Entropy is used in Paper III, with other workload and application features," should be *"Sample Entropy is used in Paper VII, with other workload and application features,"*.

4. "the workload on all Wikimedia foundations projects including Wikipedia in Paper IV, and a Video-on-Demand workload in Paper VI." should be *"the workload on all Wikimedia foundations projects including Wikipedia in Paper III, and a Video-on-Demand workload in Paper V."*.

Page 8, Section 2.3

1. "Two comparative studies of some of the auto-scalers proposed in the literature.", should be replaced with *" One comparative study of some of the auto-scalers proposed in the literature"*.

2. In the statement "The first study uses scenario theory and..." , the word "first" should be omitted.

3. The sentence "The second study compares the performance of a set of the published auto-scalers..." should be omitted.