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


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”.

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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.