Universiti Teknologi MARA

Private Cloud Infrastructure for Dyslexia Association of Malaysia

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ABSTRACT

Cloud computing is a concept that has become increasingly popular in recent years through an increase in Internet connection capabilities, virtualization possibilities, and commercial successes. It offers functionalities over the telecommunications network in the form of services instead of as a delivered product. This in combination with that the user is agnostic to the underlying technology provides advantages like increased flexibility in the technical solution and payment model, robustness and availability, as well as security in size. The downside of cloud computing is for example the Internet connection dependency, loss of control over the data, and the risk of vendor lock-in.

These advantages and disadvantages make the decision between an on premise resource and a cloud computing service complex. This case-based action research aims to provide researchers and IT personnel, like administrators, architects and designers, tools and guidelines to reduce the decision complexity. It is done by a presentation of an architectural solution that has the potential to boost the benefits of cloud computing, construction of an evaluation scorecard that indicates if a system is suitable for cloud computing or not and by identifying possible cloud computing alternatives to the systems indicated by the scorecard.

TABLE OF CONTENTS

CONTENTS   **PAGE**

CHAPTER ONE: INTRODUCTION

CHAPTER TWO: LITERATURE REVIEW

CHAPTER 1

INTRODUCTION

This chapter provides the background of the study. This study will gives an initial description about cloud computing also the issues and problems that led to this research.

1.1 Background of Study

Dyslexia Association Malaysia is non-profit organization where provide learning program for Dyslexic child especially in areas of spelling, reading and calculation. This organization was establish since 1999. There are 30 branches around Malaysia Peninsular and they need to be connected among the branches in order to improve the effectiveness of learning process. This project proposed to deploy a cloud computing architecture to help Dyslexia Association Malaysia enhance the connection between the branches.

There are three main phases of work in deploying cloud computing for Dyslexia Association Malaysia which is designing, developing and analyzing. Further detail will explain more in project objective and scope.