REAL TIME SUPPORT SYSTEM

A thesis submitted to the Graduate School in
partial fulfillment of the requirements for degree
Master of Science (Information Technology),
University Utara Malaysia

By

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ABSTRAK (BAHASA MALAYSIA)

Dengan perkembangan pesat dalam merangkaikan komputer, setiap komputer yang dijalankan dengan cara tradisional untuk mengawasi rangkaian supaya dapat menyemak penyelarasan bagi mengawasi trafik rangkaian di dalam infrastruktur rangkaian mungkin tidak efektif dan efisien lagi dan peratusan kesilapan yang dibuat oleh manusia adalah besar.

Tujuan projek ini adalah menyampaikan sistem yang efisien dan efektif untuk menggantikan cara tradisional dalam mengawasi rangkaian. Dengan "Real Time Support System" ini, ia membolehkan orang yang terlibat dalam sumber komputer dan rangkaian khususnya "the Network Administrator" untuk mengawasi prestasi rangkaian dan membuat perubahan yang sesuai terhadap prestasi rangkaian justeru menjimatkan sumber.

Selain itu, projek ini bertujuan untuk membangun satu sistem yang berkros rendah, senang untuk menyenggara, "user-friendly window" berasaskan "Real Time Support System" untuk perusahaan kecil dan sederhana di Malaysia.
ABSTRACT (ENGLISH)

With the huge grow of networked computer, the traditional way of network monitoring by walk to each computer to check the configuration may not be effective and efficient to monitor network traffic on the network infrastructure and there are highly percentages of human error.

The Project aim to deliver an efficient and effective system to replace the traditional way of network monitoring. With this Real Time Support System enable the person in charge of computer resources and networking especially the Network Administrator to monitoring the network performance and make the necessary changes to tune the network performance hence save the resources.

Beside that, this project also aims to develop a low cost, easy to maintain and user-friendly windows based Real Time Support System for Small Medium Enterprise (SMEs) in Malaysia.
ACKNOWLEDGEMENT

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<td>Windows Management Instrument</td>
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<td>World Wide Web</td>
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Chapter 1

INTRODUCTION

This project is initiated upon the request of course TZ6996 as one of the graduate requirements of MSc (IT). The purpose of this project is to develop a Real-time Support System for the Small and Medium Enterprise (SME) in Malaysia. This Real-time Support System enable the person in charge of computer resources and networking especially the Network Administrator to monitoring the network performance and make the necessary changes to improve the network performance hence save the resources.

A prototype is developed to monitor and control the workstation under Windows NT domain, hence it provided the tools to monitor the FTP, Telnet, WWW, DNS, POP3, SMTP, and IMAP. Consequently, hardware and software requirements, scope and limitation, and the significant of this project are discussed.

1.1 Background

Network monitoring is the information collection functions of network management. Real-time Support System is created to monitor the network
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Bibliography


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