A COMPARATIVE STUDY BETWEEN POINT-TO-POINT TUNNELING PROTOCOL (PPTP) AND LAYER TWO TUNNELING PROTOCOL (L2TP)

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ABSTRACT

In today's world, the use of computers has become pervasive in business, government, the military, and even at home. A lot of vital and sensitive data are being transmitted over the net that includes records on individuals like medical, financial, businesses assets, and payroll. Virtual Private Networks (VPNs) play a major role here and are set to revolutionize security on the Internet by providing a flexible, scalable and comprehensive information security solution. A VPN is an enterprise owned and managed network solution using existing dedicated networks, the Internet or a combination of both, to securely communicate information. This project will cover on differences between these two tunneling services and at the same time, searching for the L2TP and PPTP benefit and to study the security of these protocols. It can be state that L2TP is more secure than PPTP, especially when it combines with IPSec to provide encryption method called L2TP/IPSec. By using it data that travel cannot be access by the outsiders.

TABLE OF CONTENTS

CERTIFICATION OF ORIGINALITY		I
ACKNOWLEGDEMENT		II
ABSTARCT		III
TABLE OF CONTENTS		IV
LIST OF FIGURES		VI
LIST OF TABLE		VII
LIST OF ABBREVIATION		VIII
CHAPTER 1: INTRODUCTION		
1.0	INTRODUCTION	1
1.1	PROBLEM STATEMENT	2
1.2	PROJECT OBJECTIVE	2
1.3	PROJECT SCOPE	2
1.4	PROJECT SIGNIFICANCE	3
1.5	CONCLUSION	3
CHAPTER 2: LITERATURE REVIEW		
2.0	INTRODUCTION	4
2.1	DEFINITION OF PERTINENT TECHNICAL TERMINOLOGIES	4
2.2	RELATED TOPIC TO OUR STUDY	11
	2.2.1 Security	11
2.3	CONCLUSION	12
CHAPTER 3: OVERVIEW OF VIRTUAL PRIVATE NETWORK (VPN)		
3.0	INTRODUCTION	13
3.1	OVERVIEW OF VIRTUAL PRIVATE NETWORK	13
	3.1.1 Point-to-Point Tunneling Protocol (PPTP)	16
	3.1.2 Layer Two Tunneling Protocol (L2TP)	23

CHAPTER 4: METHODOLOGY

4.0 INTRODUCTION 31

4.1 PHASES 31

4.2 CONCLUSION 31

CHAPTER 5: FINDING

5.0 INTRODUCTION 32

5.1 PACKET HEADER 32

5.1.1 PPTP packet header 32

5.1.2 L2TP packet header 33

5.1.3 L2TP/IPSec packet header 34

5.2 SECURITY 35

5.2.1 Authentication 35

5.2.2 Encryption 37

5.3 ADVANTAGES AND DISADVANTAGE OF POINT-TO-POINT TUNNELING PROTOCOL (PPTP) 40

5.4 ADVANTAGES AND DISADVANTAGE OF LAYER TWO TUNNELING PROTOCOL (L2TP) 41

5.5 CONCLUSION 41

CHAPTER 6: CONCLUSION AND RECOMMENDATION

6.0 INTRODUCTION 42

6.1 CONCLUSION 42

6.2 RECOMMENDATION 42

REFERENCES 43