

PERFORMANCE ANALYSIS OF PRIORITY QUEUING
PACKETS SCHEDULING

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ABSTRACT

The primary purpose of this thesis is to study the performance of the Priority Queuing (PQ) packet scheduling. The project starts by providing the theoretical foundations that help understand the topics that are handled in this thesis. Then the implementation of a network scenario was done in OPNET Modeler 10.5 which is a network simulator that offers the tools for model design, simulation, data mining and analysis.

The simulation of this network will be run for two different conditions and the example of packet delivery for three applications will be used in these projects, which are FTP, Video Conferencing and Voice over IP (VoIP). After obtaining the results, we will produce an analysis that shows the performance of PQ for both queues.

TABLE OF CONTENTS

CHAPTER	PAGE
DECLARATION	i
ACKNOWLEDGEMENT	ii
ABSTRACT	iii
TABLE OF CONTENT	iv
LIST OF FIGURES	vii
LIST OF TABLE	ix
ABBREVIATION	x
CHAPTER 1 INTRODUCTION	
1.1 Thesis Overview	1
1.2 Scheduling Algorithms in OPNET	1
1.3 Objectives	2
1.4 Thesis Organization	3
CHAPTER 2 QUEUING DISIPLINE	
2.1 Introduction	4
2.2 Theory of queuing process	5
2.2.1 Priority Queuing	5
CHAPTER 3 OPNET SIMULATOR	
3.1 Introduction	7
3.2 OPNET Features	7
3.3 OPNET Modeler	9
3.3.1 Network Layer	9
3.3.2 Node Layer	11
3.3.3 Process Layer	12

CHAPTER 4 CREATION AND CONFIGURATION OF SIMULATION

4.1	Introduction	13
4.2	Creation and Configuration of the Network	13
4.2.1	Create a New Project	15
4.2.2	Initialize the Network	15
4.2.3	Configure the Applications	16
4.2.4	Configure the Profiles	20
4.2.5	Configure the Queue	23
4.2.6	Configure the Workstations and Servers	24
4.2.7	Configure the Routers	30
4.2.8	Choose the Statistics	31
4.2.9	Configure and Run the Simulation	34
4.3	Configuration of QoS	34
4.3.1	Network Basic Scenario	34
4.3.2	Priority Queuing Scenario	35

CHAPTER 5 PERFORMANCE RESULTS AND ANALYSIS

5.1	Introduction	39
5.2	Simulation Performance	40
5.2.1	File Transfer Protocol (FTP)	40
5.2.2	Voice over Internet Protocol (VoIP)	40
5.2.3	Video conferencing	41
5.3	Analysis of Result	42
5.3.1	Link Throughput from Router A to Router B	42
5.3.2	Delay Perceived in Routers	44
5.3.3	Traffic Dropped	46
5.3.4	Amount of Traffic Sent and Received	48
5.3.5	Packet End-to-End Delay	54
5.3.6	Packet Delay Variation	58