UNIVERSITI TEKNOLOGI MARA

STRESS TEST ANALYSIS OF HTTP USING JMETER AND QUIC

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Thesis submitted in fulfillment of the requirement for Bachelor Degree of Computer Science (Hons.) Data Communication & Networking

AUGUST 2021

ACKNOWLEDGEMENT

ABSTRACT

Nowadays, the internet is getting big with information from anywhere around the world that has the potential to change the world as we know. It is hard to detect or manage HTTP/HTTPS that is suitable to perform the specific function or run an easy test like authentication on the internet website. JMeter is a client application that can use to testing or check the website performance by doing the stress test. The application of This tool is developed by Apache that supports java that can run on all operating systems. These tools use creating requests to a target server and simulate several users and the server will respond. Once the JMeter done gathers data to calculate statistical information it will provide a performance report and result that can display errors and other detailed information about the target server.

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INTRODUCTION

1.1. Introduction

This chapter will provide a background of study including problem statement with objective, scope and limitation and significance of the project

1.2. Background of Study

In this era of globalization, Digital Planet was born to recreate the natural world inside the real world. The Realm of Digital can keep a lot of daily activity by the human from any source of information that can use in any situation in the world. internet connection has been increasing rapidly and it can be proven statistically. In the USA, there are 207.9 million mobile wireless connections in 2005 but in 2017, the number doubles to 400.21 million (Priest, 2018). However, sometimes when there is a lot of users who try to go to the same website it still is delay and also connection lost because the data traffic is flooded with requests and responses.

An article from (Rogers, 2017) writing the history of a website involves using a variety of references and techniques identical to those used to write the history of some other form of media. Code also has a different method to write so that it can be implemented in the program but because technology is rapid growth the code needs to enhance and upgrade. A stress tester tests the upper limits of the system by testing it under extreme loads. Load tester tests how systems function under a heavy number of concurrent virtual users performing transactions over a certain period (Jiang & Hassan, 2015). There are various