

A STUDY ON SERVER LOAD BALANCING FOR LARGE DATA STORAGE AND PRINTING

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ABSTRACT

The objectives of this project are to study on clustering technology that will improve on server-based application by distributing the client requests among available storage servers within a cluster of computers.

This documentation is the results of nearly eight months of hard work and diligence of the author in pursuing the Double Module Project. It is arranged in several sections to ensure easy reading and navigation.

On the first section of this report, the author will briefly talk on the basic information such a brief outline if the project specification, the problems, objectives and research methodology. The second section will give a detailed elaboration after researches. It includes the network load balancing concept that the author gained during research.

Then, followed by the core of the report, the author will be explaining the characteristic of each component and construction of the project, as well as the moth the author have used for her project.

After that, the author also gives an elaboration on the concept and workflow of the system. The author have included diagrams thus, reader can have more idea of how the author system works. There will also be discussion on the outcome of the result, experimenting stage and some study conducted in the project.

Finally, the conclusion of the report will explain the application aspects, suggestion for further improvement and the summary of the project as a whole. Besides that, it also contains the appendix, glossary and references.