DEVELOPMENT OF A SNIFFER SYSTEM FOR SOCIT, INTI COLLEGE MALAYSIA

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ABSTRACT

The project addresses the issues and development of a sniffer system for SOCIT, Inti College Malaysia. This is a tool which can help the network administrator to monitor and analyze the packet on the network. By using this system, network administrator can know what is happening on the network in order to maintain the performance on the network.

Before developing the proposed system, the author was required to study and understand packet sniffing concept and techniques. He has reviewed some of the references books and articles on the internet in order to understand the actual purposes of the packet sniffing. In addition, the author has conducted the preliminary investigation (interview and survey) to gain more information of network traffic in Inti College Malaysia ad network activity done by the Inti students. In addition, the author has analyzed the features of existing packet sniffer system and enhanced it in the proposed system.

In general, the author has investigated the software tools and techniques available on the market and implemented in the proposed system. System Analysis and design is an essential process, the author was requires to draw the Data Flow Diagram (DFD), Context diagram and system Hierarchical Chart. Besides that, the author has designed the proposed system based on the information collected previously. The interface design produces by the author is user-friendly which can be easily understood and implemented by the users.

Apart from that, the author has used Visual C++ to code the proposed system. During the implementation phase, the author has faced a lot of problems, but he was able to find the alternative solutions to solve the problems.

In addition, some of the new features have been created in the proposed system, such as real time statistics view, web base report, and network traffic view.

Finally, the author hopes that end user can understand the information produces by the author after finished reading this documentation.