

ABSTRACT

DESIGN AND IMPLEMENTATION OF BANDWIDTH MANAGEMENT IN PT. CENTRAL PRIMA SUCCESS

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The aim of this practical work is, to overcome the obstacles to the use of bandwidth on PT. Central Prima Success, where every working hour internet use is always slow because of the use of less than helpful in working time. Of course, with the internet with a capacity of 10Mbps, if used by one client to download something that is not related to the work that makes the internet becomes slow when another client who wants to use it. Therefore, the authors will do the design and implementation of bandwidth management at PT. Central Prima Success as a way to overcome the existing problems. In this design, the author will use the science of the method NDLC (Network Development Life Cycle) which comprises several phases: analysis, design, simulation, implementation, monitoring, and management. The results of this design that is useful bandwidth management where when there are few or many clients, bandwidth will be divided by itself evenly depending on the number of clients that are currently active.

Keywords: Bandwidth Management, Per Connection Queue, Simple Queue, NDLC, Mikrotik.