

Research on flow control in TCP protocol

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Abstract: This is a study aimed at understanding and developing effective flow control methods for the TCP protocol, addressing the need to improve network quality of service. The topic will apply a combination of theory and experimentation to build an automatic flow control system, thereby enhancing the congestion tolerance and stability of the data transmission system. It is expected that this research will make a significant contribution to the field of network technology, helping to improve performance and quickly meet information demands in the modern internet environment.

Keywords: TCP protocol, Flow control, Network research, Automatic control, Data transmission performance