

Using GNS3 to determine load balancing and QoS in a 3-layer network model

Nguyen Thi Tho

Abstract: This topic focuses on using GNS3 software to study and implement theoretical and practical acceptance of load balancing and QoS in a 3-layer network model. Through the analysis process, the objective of the topic is to build an effective solution to optimize service quality and network performance through controlling and adjusting network traffic. The method combines theoretical research with application deployment on GNS3, thereby providing learners with a deep understanding of how to apply this technology in practice. The topic expects to achieve its goals by contributing to the development of network analysis skills and improving service quality for modern network systems.

Keywords: GNS3, load balancing, QoS, three-layer network model, network optimization