

Application of SDN network control model in network design for Hoang Gia International Trading Services Company Limited

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Abstract: This topic focuses on applying the Software-Defined Networking (SDN) control model to optimize the network structure at Hoang Gia International Trading and Service Company Limited. The research context is based on the current state of management and operation of the existing network system, aiming to meet the demand for flexibility and high efficiency in a commercial service environment. The objective of the topic is to build an SDN network platform suitable for the company's business characteristics to optimize data traffic and minimize operational costs. Through a process of theoretical research combined with experimentation, the topic aims to propose a feasible solution for deploying an SDN network within this organization. The application of the SDN model is expected to bring many benefits, such as enhanced control and security, while promoting new technical innovations in information technology management.

Keywords: SDN network, Hoang Gia International Trading Service Co., Ltd., network optimization, technical solution