

Deploying VPN with IPv6 support on Cisco devices

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Abstract: This topic focuses on the deployment and optimization of Virtual Private Networks (VPN) with IPv6 support on Cisco devices. The context of the topic is defined by the development trend of the Internet based on IPv6 in practice, aiming to ensure stability and efficiency in data transmission. The research objective is to build a secure and flexible network system using Cisco technology. The approach includes both theoretical research on IPv6 and experimental application deployment on Cisco devices. The significance of the topic lies in providing an integrated solution between IPv6 and virtual networks to meet security and performance requirements in increasingly complex network environments.

Keywords: VPN, IPv6, Cisco, Virtual network, Security