Microsoft Azure Networking: Empowering Cloud Connectivity and Security

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Abstract: *In the current era dominated by cloud computing, networking infrastructure serves as the backbone of digital operations. Among the top cloud service providers, Microsoft Azure offers a robust suite of networking solutions tailored to meet the evolving needs of modern businesses. This document aims to provide a comprehensive overview of Azure networking, examining its key components, deployment models, best practices, and practical applications. By exploring Azure Virtual Network, Load Balancer, VPN Gateway, ExpressRoute, Firewall, and other services in detail, the goal is to equip organizations with the necessary knowledge and insights to effectively leverage Azure networking for seamless cloud connectivity and enhanced security.*

Keywords: Azure Networking, Cloud Connectivity, Virtual Network (VNet), Load Balancer, VPN Gateway, ExpressRoute, Firewall Security, Hybrid Cloud, Global Load Balancingand Network Security Best Practices