

Design and deploy a LAN network system ensuring Layer 2 availability and security for the enterprise.

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Abstract: In the context of increasing cybersecurity threats, designing and deploying a Local Area Network (LAN) system that ensures Layer 2 availability and security has become an urgent requirement for enterprises. This topic aims to build a comprehensive solution to enhance risk resilience and protect critical data in internal network environments. Through a combination of theoretical research and experimentation, the topic will propose appropriate technical recommendations to optimize Layer 2 availability and security within enterprises. The expected outcomes of this topic not only contribute to advancing knowledge about LAN in the field of cybersecurity but also provide enterprises with a feasible direction for building a sustainable network system.

Keywords: Lan, Layer 2 Security, Internal Network System, Network Architecture, Network Security