

Design and security of enterprise network system integrating IDS/IPS

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Abstract: This topic focuses on designing and implementing a network security system for enterprises, including the integration of Intrusion Detection System (IDS) and Intrusion Prevention System (IPS) tools. The context of the topic is defined by the increase in security threats in the modern network environment. The objective is to build an effective integrated system to enhance the ability to detect and prevent network attacks. The research method combines theory with experimentation, including evaluating existing IDS/IPS solutions and designing an appropriate deployment process. The expected outcome of the topic is to provide an enhanced security system for enterprises, contributing to information security assurance in the digital age.

Keywords: IDS/IPS, Network Security System, IDS/IPS Integration, Enterprise, Security