Design and deploy a network security monitoring system based on centralized log analysis on the AWS platform.

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Abstract: In the context of increasingly frequent cyber attacks, this topic focuses on designing and deploying a network security monitoring system based on centralized log analysis. The goal is to build an effective solution for tracking and analyzing log data from various sources on the AWS platform, aiming to detect abnormal activities early and enhance network protection capabilities. The research methodology includes both theoretical aspects of log analysis and practical deployment of applications on AWS. The expected outcome is an automated network security monitoring system that strengthens an organization's defense against cyber threats.

Keywords: Network security monitoring, centralized log analysis, AWS, network security, application deployment